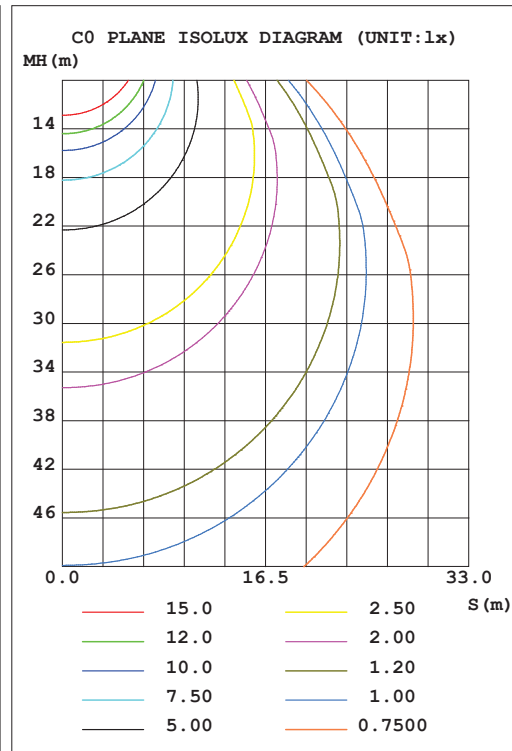
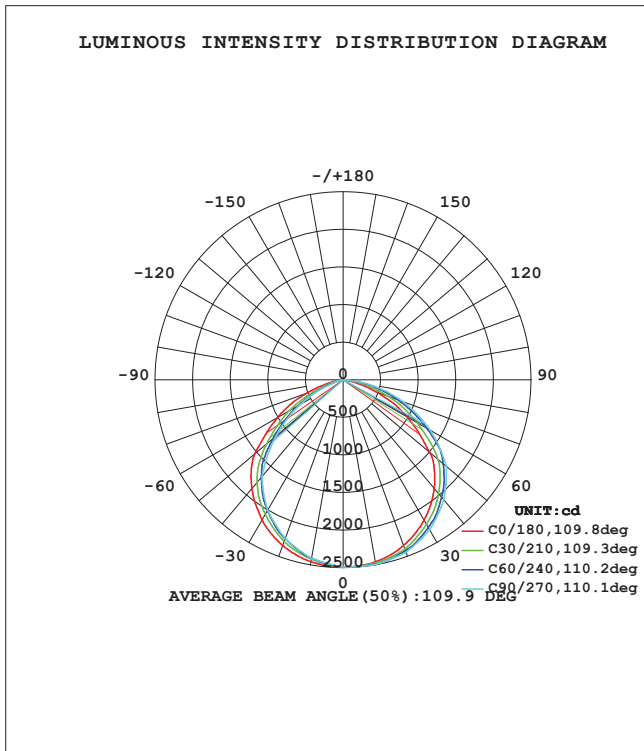


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: HighBay Light	TYPE: HB-60-ND-CW	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: TEA-ENERGY	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 114.97 lm/W
MODEL	HB-60-ND-CW	Imax (cd)	2494	S/MH (C0/180)	1.28	
NOMINAL POWER (W)	60	LOR (%)	100.0	S/MH (C90/270)	1.37	
RATED VOLTAGE (V)	222	TOTAL FLUX (lm)	6725.6	$\eta$ UP, DN (C0-180)	0.0, 56.3	
NOMINAL FLUX (lm)	6725.63	CIE CLASS	DIRECT	$\eta$ UP, DN (C180-360)	0.0, 43.7	
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	221.2	$\eta$ down (%)	100.0	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2016-12-06

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 7.160m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
5	2484	2489	2492	2488	2482	2458	2452	2459	0- 5	59.31	59.31	0.88,0.88
10	2460	2482	2494	2479	2457	2415	2414	2420	5- 10	176.2	235.5	3.5,3.5
15	2414	2461	2468	2457	2413	2356	2332	2361	10- 15	288.1	523.5	7.78,7.78
20	2347	2404	2442	2404	2346	2263	2249	2268	15- 20	390.9	914.4	13.6,13.6
25	2260	2338	2373	2340	2261	2158	2128	2168	20- 25	481.6	1396	20.8,20.8
30	2155	2247	2304	2252	2157	2034	2006	2044	25- 30	556.6	1953	29,29
35	2029	2137	2194	2146	2028	1892	1843	1899	30- 35	613.9	2567	38.2,38.2
40	1885	2017	2083	2029	1889	1732	1681	1736	35- 40	650.3	3217	47.8,47.8
45	1719	1865	1937	1879	1730	1508	1423	1508	40- 45	663.0	3880	57.7,57.7
50	1502	1702	1791	1721	1536	1265	1165	1258	45- 50	645.3	4525	67.3,67.3
55	1227	1463	1562	1493	1253	1013	912.6	1010	50- 55	593.9	5119	76.1,76.1
60	982.7	1211	1332	1245	1011	765.1	660.1	764.2	55- 60	516.1	5635	83.8,83.8
65	735.8	963.2	1087	1003	770.9	505.1	418.7	497.9	60- 65	421.7	6057	90.1,90.1
70	456.7	713.1	841.8	754.2	499.7	274.2	177.4	267.4	65- 70	313.5	6370	94.7,94.7
75	227.2	453.7	586.2	492.4	266.7	91.49	91.46	89.67	70- 75	203.3	6574	97.7,97.7
80	68.54	240.2	330.6	274.2	95.59	29.70	5.561	28.81	75- 80	111.0	6685	99.4,99.4
85	9.549	51.07	0	62.92	15.17	1.565	0	1.389	80- 85	38.86	6724	100,100
90	3.354	0	0	0	6.300	0	0	0	85- 90	2.069	6726	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

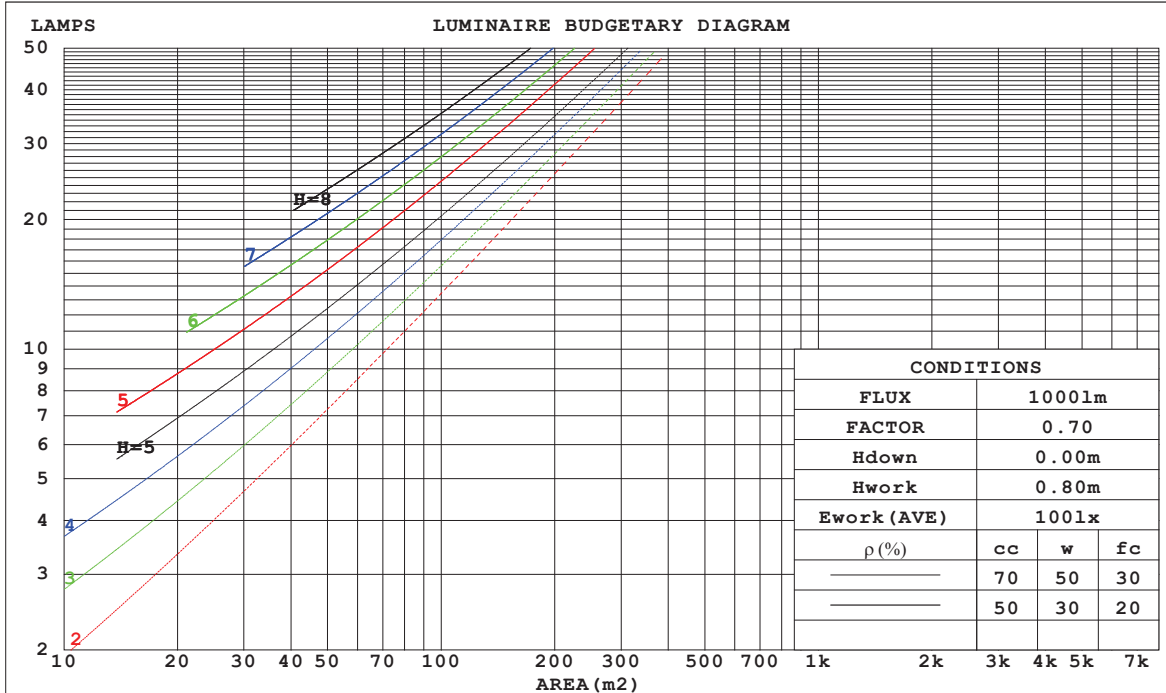
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2016-12-06

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:7.160m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: HighBay Light	TYPE: HB-60-ND-CW	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: TEA-ENERGY	SUR.:	PROTECTION ANGLE:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR: Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.05	1.01	.98	1.03	.90	.96	.99	.96	.93	.95	.93	.90	.91	.90	.88	.86
2.0	.92	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.77	.74	.72
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.74	.69	.65	.72	.67	.64	.61
4.0	.72	.64	.58	.71	.63	.57	.69	.62	.56	.66	.60	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.49	.62	.54	.49	.60	.53	.48	.58	.52	.48	.46
6.0	.58	.50	.43	.57	.49	.43	.56	.48	.43	.54	.47	.42	.52	.47	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.37	.35
8.0	.48	.40	.34	.48	.40	.34	.46	.39	.34	.45	.38	.34	.44	.38	.33	.32
9.0	.44	.36	.31	.44	.36	.31	.43	.36	.31	.42	.35	.30	.41	.35	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.38	.32	.27	.26



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2016-12-06

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 7.160m [K=1.0000]  
 Remarks:

WEC AND CCEC

NAME: HighBay Light	TYPE:HB-60-ND-CW	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: TEA-ENERGY	SUR.:	PROTECTION ANGLE:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.281	.160	.051	.274	.157	.050	.261	.150	.048	.249	.144	.046	.238	.138	.045	
2.0	.272	.149	.046	.266	.146	.045	.254	.141	.044	.244	.137	.043	.234	.132	.042	
3.0	.256	.136	.041	.250	.134	.040	.240	.130	.040	.231	.126	.039	.222	.123	.038	
4.0	.239	.124	.036	.234	.122	.036	.225	.119	.036	.216	.116	.035	.209	.113	.035	
5.0	.222	.113	.033	.218	.112	.033	.210	.109	.032	.203	.107	.032	.196	.105	.031	
6.0	.207	.104	.030	.204	.103	.030	.196	.101	.029	.190	.099	.029	.184	.097	.029	
7.0	.194	.096	.027	.191	.095	.027	.184	.093	.027	.178	.091	.027	.173	.090	.026	
8.0	.182	.089	.025	.179	.088	.025	.173	.086	.025	.168	.085	.024	.163	.083	.024	
9.0	.171	.083	.023	.168	.082	.023	.163	.081	.023	.158	.079	.023	.154	.078	.023	
10.0	.161	.077	.021	.159	.077	.021	.154	.075	.021	.149	.074	.021	.145	.073	.021	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.178	.156	.137	.153	.134	.118	.104	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.170	.132	.100	.145	.114	.087	.100	.079	.061	.057	.046	.035	.018	.015	.012	
3.0	.162	.114	.076	.139	.099	.066	.095	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.154	.101	.060	.132	.087	.052	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.147	.090	.048	.126	.078	.042	.087	.055	.030	.050	.032	.018	.016	.010	.006	
6.0	.140	.082	.040	.120	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.134	.075	.034	.115	.065	.030	.079	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.127	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.121	.064	.026	.105	.056	.022	.072	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.069	.037	.014	.040	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2016-12-06

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:7.160m [K=1.0000]  
 Remarks:

Uncorrected UGR Table

NAME: HighBay Light					TYPE: HB-60-ND-CW					WEIGHT:					
DIM.:					SPEC.:					SERIAL No.:					
MFR.: TEA-ENERGY					SUR.:					PROTECTION ANGLE:					
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3					
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3					
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2					
Room dimensions	Viewed crosswise					Viewed endwise									
x = 2H y = 2H	32.0	33.5	32.3	33.7	33.9	33.1	34.5	33.3	34.7	34.9					
3H	33.0	34.3	33.3	34.6	34.8	34.7	36.0	35.0	36.2	36.5					
4H	33.2	34.5	33.5	34.7	35.0	35.3	36.6	35.6	36.8	37.1					
6H	33.2	34.4	33.5	34.7	34.9	35.7	36.9	36.0	37.2	37.5					
8H	33.1	34.3	33.5	34.6	34.9	35.8	36.9	36.1	37.2	37.5					
12H	33.1	34.2	33.4	34.5	34.8	35.7	36.9	36.1	37.2	37.5					
4H 2H	32.7	34.0	33.1	34.3	34.5	33.6	34.9	33.9	35.1	35.4					
3H	33.9	35.0	34.3	35.3	35.6	35.3	36.5	35.7	36.7	37.0					
4H	34.2	35.2	34.6	35.5	35.9	36.1	37.1	36.5	37.4	37.8					
6H	34.3	35.2	34.7	35.5	35.9	36.6	37.5	37.0	37.9	38.2					
8H	34.2	35.1	34.7	35.4	35.8	36.7	37.6	37.1	37.9	38.3					
12H	34.2	35.0	34.6	35.3	35.7	36.7	37.5	37.1	37.9	38.3					
8H 4H	34.5	35.4	34.9	35.7	36.1	36.2	37.1	36.6	37.4	37.8					
6H	34.7	35.4	35.1	35.8	36.2	36.9	37.6	37.3	38.0	38.4					
8H	34.7	35.3	35.1	35.7	36.2	37.0	37.6	37.5	38.1	38.5					
12H	34.7	35.2	35.1	35.6	36.1	37.0	37.5	37.5	38.0	38.5					
12H 4H	34.5	35.3	35.0	35.7	36.1	36.2	37.0	36.6	37.3	37.7					
6H	34.7	35.3	35.2	35.8	36.2	36.9	37.5	37.3	37.9	38.4					
8H	34.8	35.3	35.2	35.7	36.2	37.0	37.6	37.5	38.0	38.5					
Variations with the observer position at spacings:															
S = 1.0H	+ 0.3 / - 0.3					+ 0.1 / - 0.2									
1.5H	+ 0.3 / - 0.6					+ 0.2 / - 0.4									
2.0H	+ 0.3 / - 0.6					+ 0.2 / - 0.3									

CIE Pub.117 Corrected 6726 lm Total Lamp Luminous Flux. (8log(F/F0) = 6.6)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2016-12-06

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 7.160m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

NAME: HighBay Light	TYPE: HB-60-ND-CW	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: TEA-ENERGY	SUR.:	PROTECTION ANGLE:

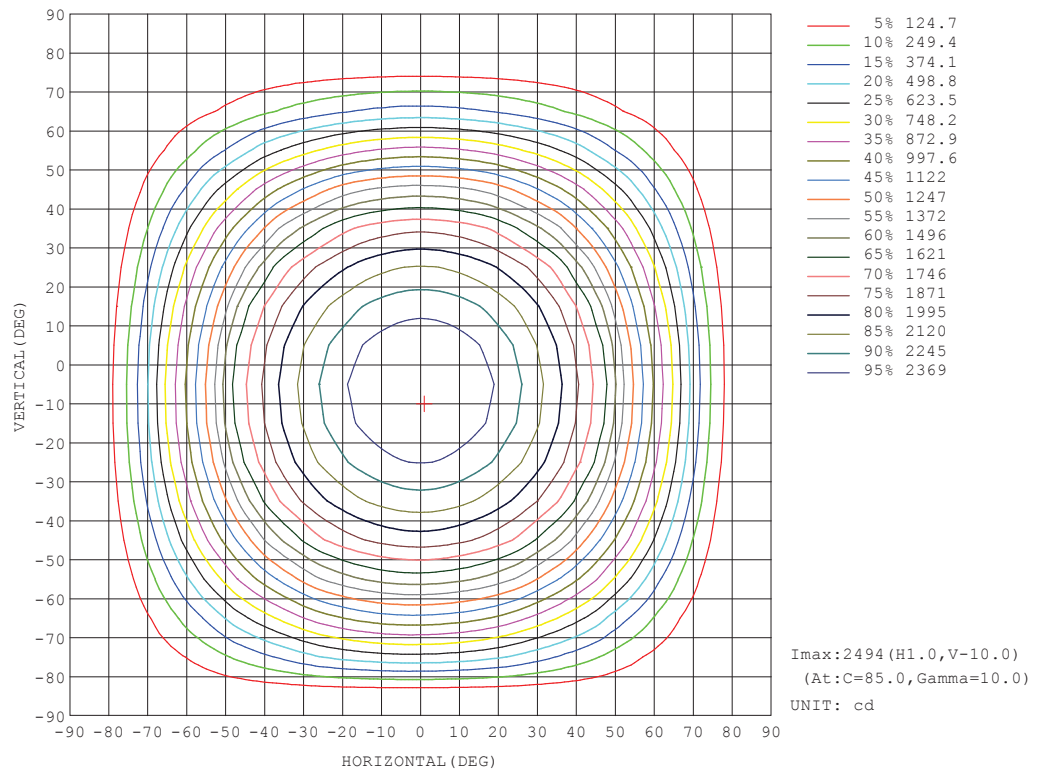
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	59	48	41	58	47	41	57	47	41	34
0.80	69	58	51	68	58	51	67	57	50	44
1.00	78	68	61	77	67	60	75	68	60	53
1.25	85	75	69	84	75	68	81	73	67	60
1.50	90	81	74	89	80	74	86	78	73	66
2.00	97	89	83	95	88	82	92	86	81	73
2.50	101	93	88	99	92	87	95	89	85	77
3.00	104	97	92	102	96	91	98	93	89	81
4.00	107	102	98	105	101	97	101	97	94	85
5.00	110	105	102	107	103	100	103	100	97	88
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2016-12-06

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 7.160m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

NAME: HighBay Light	TYPE: HB-60-ND-CW	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: TEA-ENERGY	SUR.:	PROTECTION ANGLE:

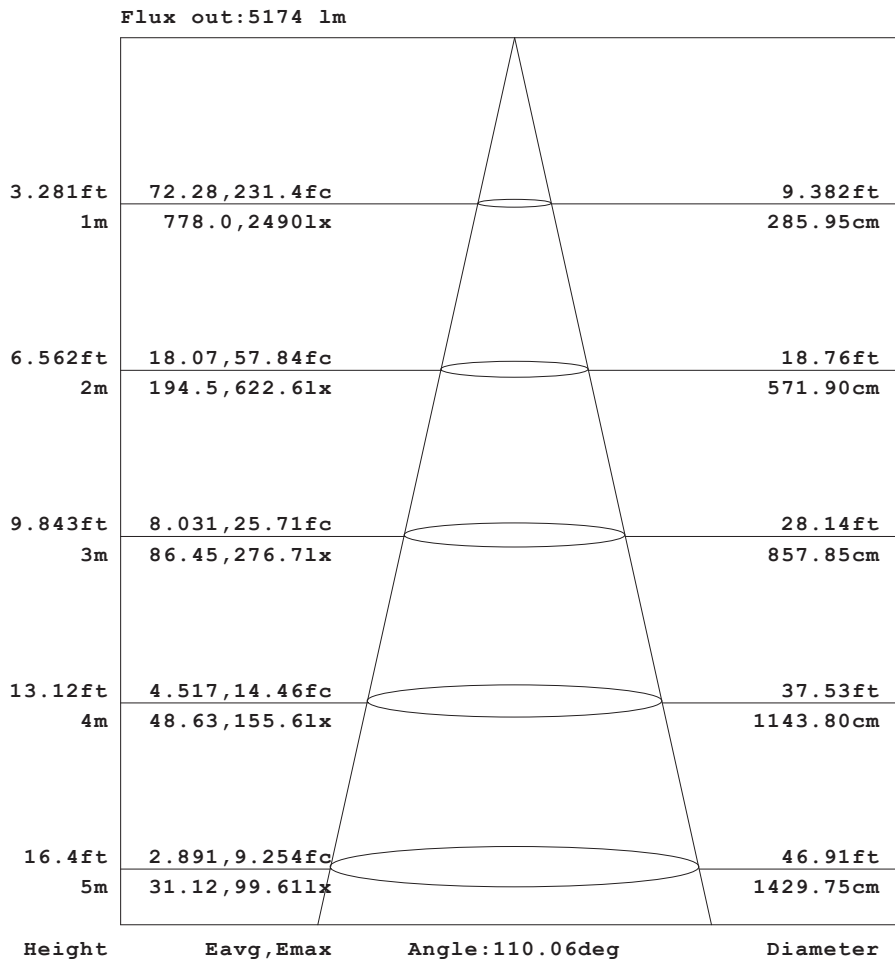


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2016-12-06

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 7.160m [K=1.0000]  
 Remarks:

AAI Figure

NAME: HighBay Light	TYPE: HB-60-ND-CW	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: TEA-ENERGY	SUR.:	PROTECTION ANGLE:



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

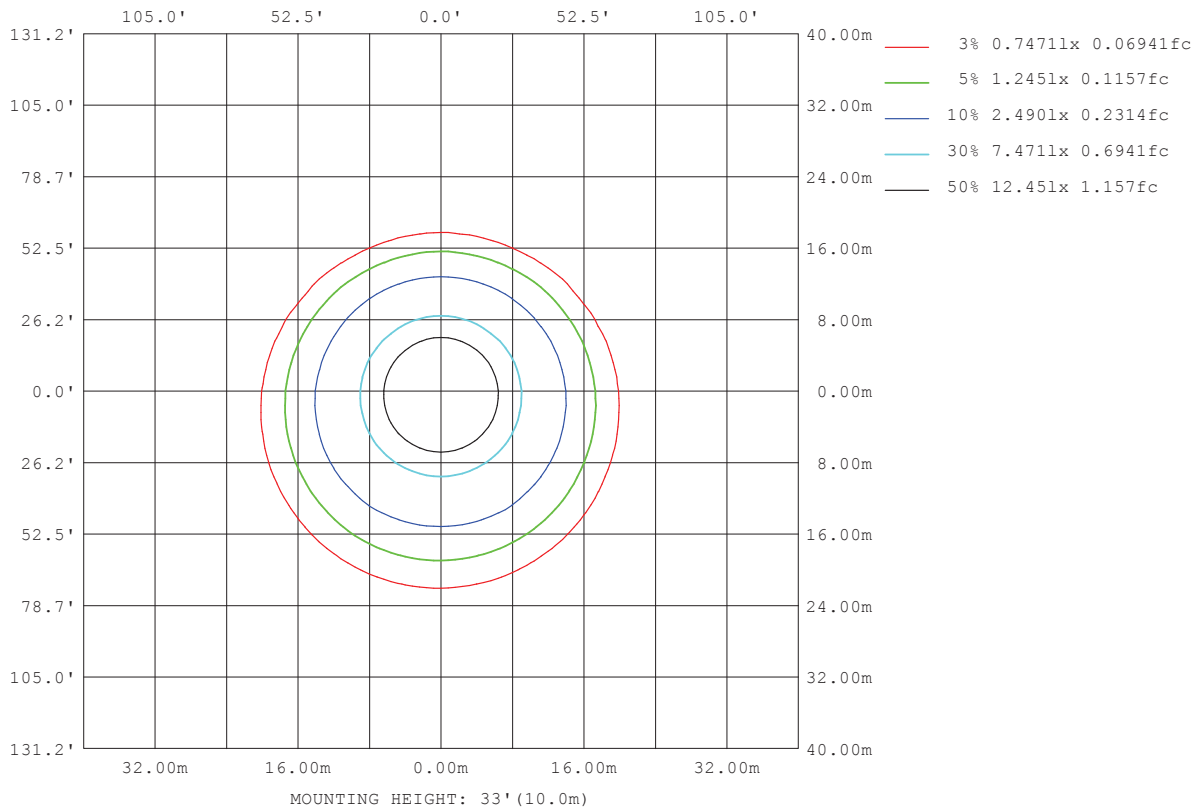
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2016-12-06

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 7.160m [K=1.0000]  
 Remarks:



ISOLUX DIAGRAM

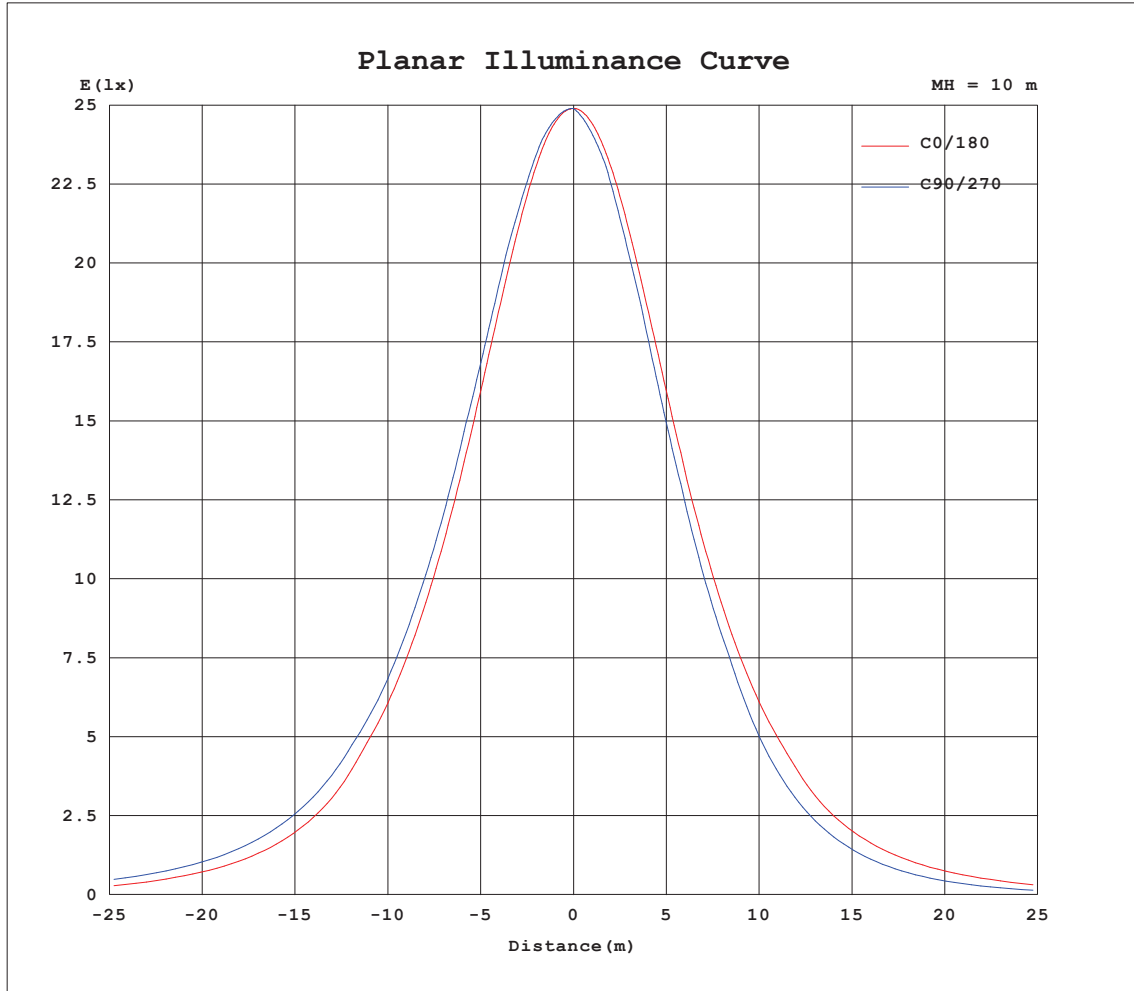
NAME: HighBay Light	TYPE: HB-60-ND-CW	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: TEA-ENERGY	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2016-12-06

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 7.160m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2016-12-06

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 7.160m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: HighBay Light	TYPE: HB-60-ND-CW	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: TEA-ENERGY	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490
5	2484	2484	2485	2485	2485	2486	2487	2487	2488	2489	2489	2490	2490	2491	2491	2492	2492	2492	2492
10	2460	2461	2463	2465	2467	2470	2473	2476	2479	2482	2484	2487	2488	2490	2491	2492	2493	2494	2494
15	2414	2416	2420	2424	2430	2436	2443	2451	2459	2461	2461	2462	2463	2464	2465	2466	2467	2468	2468
20	2347	2350	2356	2364	2374	2386	2396	2398	2400	2404	2410	2415	2420	2425	2430	2435	2439	2441	2442
25	2260	2264	2272	2284	2299	2308	2312	2319	2328	2338	2348	2353	2356	2360	2364	2368	2371	2372	2373
30	2155	2161	2172	2189	2202	2207	2217	2230	2243	2247	2254	2261	2269	2278	2287	2294	2300	2303	2304
35	2029	2034	2047	2066	2075	2091	2110	2120	2127	2137	2149	2167	2169	2173	2179	2184	2190	2193	2194
40	1885	1893	1912	1927	1942	1965	1975	1988	2005	2017	2022	2029	2039	2047	2057	2065	2075	2081	2083
45	1719	1731	1757	1768	1791	1806	1824	1848	1854	1865	1877	1893	1901	1908	1914	1922	1929	1934	1937
50	1502	1524	1559	1579	1601	1627	1650	1656	1682	1702	1702	1720	1737	1751	1762	1773	1780	1787	1791
55	1227	1248	1273	1304	1328	1360	1389	1411	1450	1463	1477	1518	1550	1549	1550	1551	1553	1557	1562
60	983	1008	1028	1052	1084	1102	1131	1156	1185	1211	1232	1258	1282	1291	1302	1311	1318	1325	1332
65	736	761	782	812	834	860	886	916	940	963	988	1007	1022	1040	1056	1068	1075	1083	1087
70	457	480	506	534	564	597	629	648	690	713	728	746	767	796	814	826	833	841	842
75	227	246	269	289	323	342	374	398	426	454	474	498	521	546	560	570	577	585	586
80	68.5	78.3	93.4	111	130	149	168	196	216	240	256	273	286	299	304	311	321	329	331
85	9.55	13.0	16.6	20.6	31.0	36.1	39.4	46.0	48.9	51.1	47.4	42.1	34.4	26.0	17.4	10.3	4.80	1.24	0.00
90	3.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2016-12-06

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 7.160m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: HighBay Light	TYPE: HB-60-ND-CW	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: TEA-ENERGY	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490
5	2492	2492	2491	2491	2490	2490	2489	2488	2488	2487	2486	2485	2485	2484	2483	2483	2482	2482	2479
10	2494	2493	2492	2490	2488	2486	2484	2481	2479	2476	2473	2469	2467	2464	2461	2459	2458	2457	2450
15	2467	2466	2465	2464	2463	2461	2460	2458	2457	2454	2446	2439	2432	2427	2421	2417	2414	2413	2401
20	2441	2438	2436	2431	2427	2421	2415	2409	2404	2398	2394	2392	2382	2371	2361	2354	2349	2346	2331
25	2372	2371	2368	2365	2362	2358	2356	2351	2340	2329	2320	2312	2306	2297	2283	2272	2265	2261	2243
30	2303	2300	2294	2287	2279	2272	2265	2258	2252	2248	2235	2221	2209	2200	2187	2171	2161	2157	2137
35	2193	2190	2185	2181	2177	2174	2170	2157	2146	2136	2129	2112	2093	2080	2073	2051	2036	2028	2007
40	2081	2077	2070	2063	2056	2048	2039	2034	2029	2014	1996	1981	1970	1948	1933	1919	1899	1889	1865
45	1936	1932	1928	1923	1918	1913	1906	1891	1879	1869	1861	1835	1817	1803	1781	1770	1743	1730	1702
50	1790	1785	1779	1770	1761	1749	1739	1723	1721	1704	1684	1671	1649	1625	1608	1586	1556	1536	1487
55	1563	1563	1562	1562	1563	1567	1553	1510	1493	1492	1461	1433	1404	1369	1343	1306	1276	1253	1215
60	1335	1334	1328	1321	1314	1310	1294	1267	1245	1226	1197	1175	1146	1123	1092	1062	1035	1011	976
65	1090	1090	1084	1077	1068	1056	1042	1025	1003	979	955	930	909	881	853	830	796	771	734
70	844	846	841	835	824	807	782	766	754	744	705	682	651	627	593	558	524	500	460
75	590	589	585	582	574	557	532	511	492	479	452	427	404	374	348	320	293	267	236
80	335	331	328	327	321	312	300	289	274	258	232	210	191	173	153	132	113	95.6	75.2
85	1.26	4.96	10.9	18.9	28.1	38.1	47.8	56.5	62.9	66.0	65.8	61.2	55.4	46.6	35.5	28.9	21.3	15.2	11.2
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.30	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2016-12-06

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 7.160m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: HighBay Light	TYPE: HB-60-ND-CW	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: TEA-ENERGY	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C (DEG) \ γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490
5	2475	2472	2469	2467	2464	2462	2460	2458	2457	2455	2454	2453	2453	2452	2452	2452	2452	2452	2452
10	2443	2437	2432	2427	2423	2420	2417	2415	2414	2413	2412	2412	2412	2412	2412	2413	2414	2414	2414
15	2391	2383	2376	2370	2366	2363	2362	2356	2349	2343	2339	2336	2334	2333	2332	2331	2332	2332	2333
20	2319	2309	2301	2296	2290	2278	2270	2263	2258	2254	2251	2249	2249	2249	2249	2249	2249	2250	2250
25	2229	2219	2212	2200	2185	2172	2163	2158	2159	2151	2142	2136	2132	2129	2128	2128	2128	2128	2130
30	2122	2113	2100	2082	2068	2059	2050	2034	2022	2015	2010	2007	2003	2003	2004	2005	2006	2006	2006
35	1994	1987	1965	1950	1941	1922	1904	1892	1884	1879	1866	1858	1850	1845	1844	1843	1843	1843	1844
40	1852	1834	1815	1804	1779	1760	1747	1732	1708	1697	1693	1690	1685	1681	1680	1681	1681	1679	1679
45	1689	1662	1647	1607	1585	1587	1540	1508	1491	1494	1495	1476	1456	1440	1430	1424	1423	1424	1430
50	1458	1421	1395	1361	1330	1313	1291	1265	1247	1233	1220	1207	1190	1178	1171	1165	1165	1167	1172
55	1185	1162	1127	1102	1076	1057	1035	1013	994	976	957	942	930	921	915	913	913	913	916
60	947	916	890	861	835	801	788	765	736	713	695	682	671	665	660	662	660	657	661
65	706	662	627	604	569	540	523	505	478	455	448	440	431	427	421	421	419	418	421
70	432	402	376	345	327	301	276	274	262	247	231	216	204	193	183	180	177	180	183
75	209	187	169	152	137	127	111	91.5	83.2	87.5	90.2	91.8	92.2	91.8	91.3	91.9	91.5	92.0	91.1
80	62.2	51.4	43.0	36.9	24.1	27.4	29.5	29.7	28.3	25.7	22.4	18.4	14.4	10.8	7.97	6.20	5.56	6.14	7.86
85	8.77	6.76	6.67	5.28	3.20	2.46	1.93	1.57	1.24	0.96	0.72	0.51	0.33	0.19	0.08	0.02	0.00	0.02	0.08
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2016-12-06

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 7.160m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: HighBay Light	TYPE: HB-60-ND-CW	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: TEA-ENERGY	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

C (DEG) \ γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490	2490				
5	2453	2453	2454	2455	2456	2458	2459	2461	2463	2466	2468	2471	2474	2477	2480				
10	2414	2414	2414	2415	2416	2418	2420	2422	2425	2428	2432	2436	2441	2447	2453				
15	2334	2336	2339	2343	2348	2354	2361	2368	2369	2371	2375	2380	2386	2394	2403				
20	2251	2251	2252	2254	2257	2261	2268	2275	2286	2297	2302	2307	2313	2322	2334				
25	2131	2133	2138	2145	2155	2164	2168	2174	2182	2193	2208	2219	2224	2232	2244				
30	2004	2007	2011	2015	2022	2032	2044	2060	2068	2078	2088	2101	2112	2120	2135				
35	1846	1853	1860	1871	1885	1891	1899	1912	1931	1947	1953	1965	1985	1993	2007				
40	1681	1685	1689	1694	1697	1710	1736	1754	1766	1785	1805	1813	1829	1847	1860				
45	1440	1456	1475	1486	1489	1488	1508	1542	1588	1580	1603	1644	1654	1682	1693				
50	1180	1192	1207	1219	1229	1243	1258	1284	1305	1326	1354	1379	1404	1435	1460				
55	920	930	942	959	979	993	1010	1028	1050	1071	1099	1120	1149	1170	1196				
60	662	670	680	693	714	737	764	783	793	823	849	881	902	926	956				
65	425	432	438	443	452	472	498	516	533	559	585	612	642	674	708				
70	192	204	217	231	245	259	267	271	296	320	338	359	383	410	435				
75	91.8	91.9	92.1	90.6	86.1	80.9	89.7	108	123	130	142	158	175	193	212				
80	10.6	14.1	18.2	22.1	25.1	27.5	28.8	28.2	26.5	22.4	34.2	39.0	45.8	51.9	60.7				
85	0.18	0.32	0.48	0.67	0.88	1.12	1.39	1.71	2.20	2.88	4.88	6.07	5.81	7.17	8.55				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2016-12-06

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 7.160m [K=1.0000]  
 Remarks: