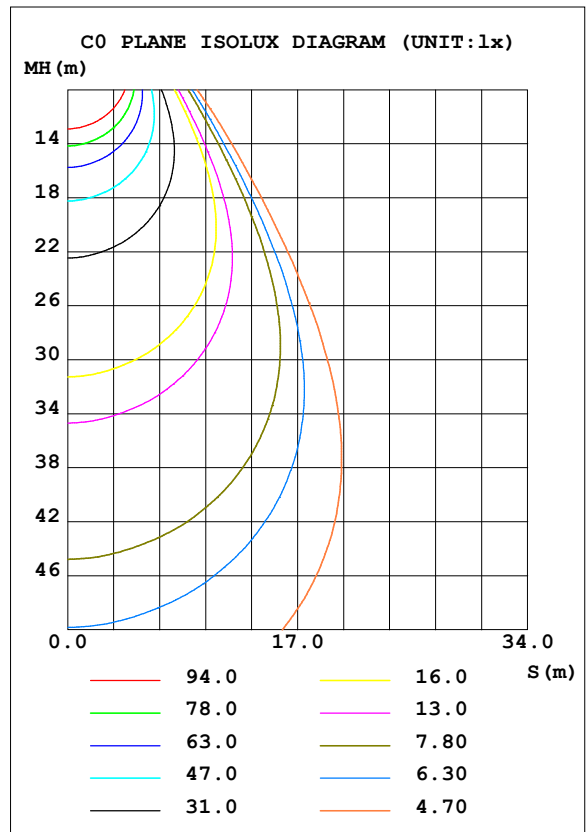
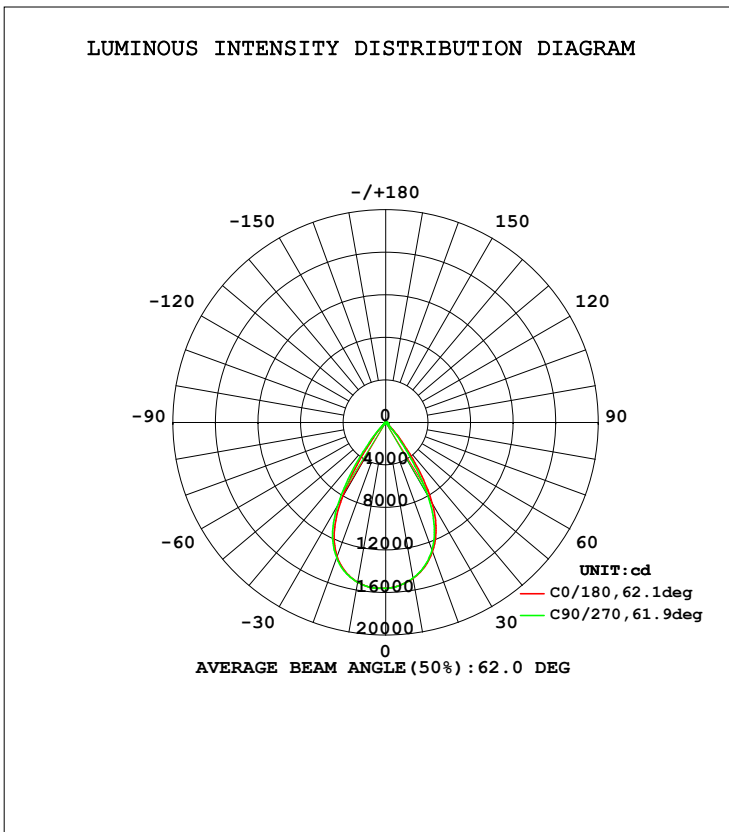


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.7V I:0.4520A P:97.50W PF:0.9760 Lamp Flux:14734.4x1 lm		
NAME: Bulkhead Lamp	TYPE:Outdoor	WEIGHT:2.10
SPEC.:CP-HB03-0100-N01	DIM.:	SERIAL No.:
	SUR.:d=0.26	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.12 lm/W			
MODEL: Philips 3030-Q 24P7S 5700K		I _{max} (cd)	15652	S/MH (C0/180)	0.93
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	0.89
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	14734	η UP, DN (C0-180)	0.1, 48.5
NOMINAL FLUX (lm)	14734.4	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 51.2
LAMPS INSIDE	1	η up (%)	0.3	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	220.6	η down (%)	99.7	CIBSE SHR MAX	0.95



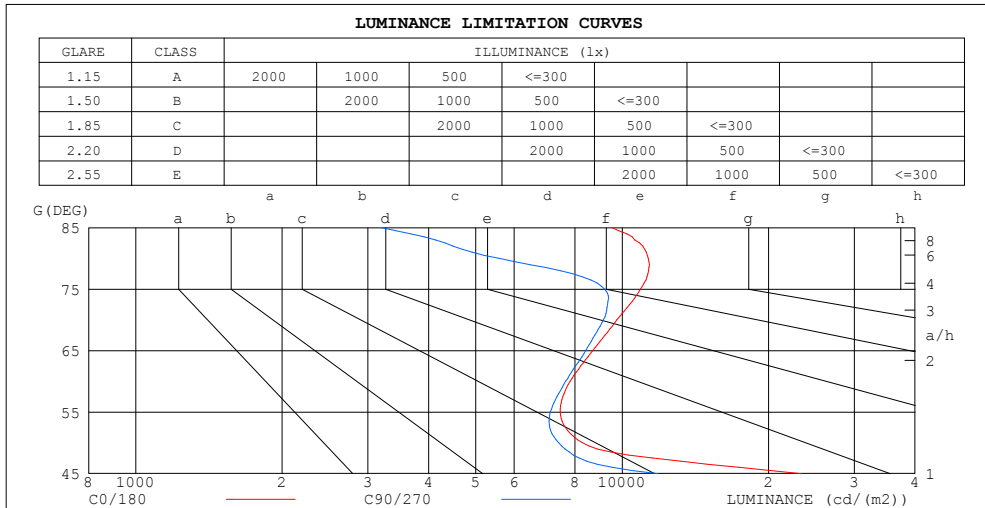
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-11-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity: 65.0%
 Test Distance: 9.300m [K=1.0000]
 Remarks: 60°

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	1538	1531	1538	1552	1559	1564	1558	1544	0- 5	371.6	371.6	2.52,2.52
10	1488	1477	1486	1509	1525	1537	1526	1498	5- 10	1093	1464	9.94,9.94
15	1409	1390	1404	1434	1457	1476	1462	1419	10- 15	1742	3206	21.8,21.8
20	1291	1263	1276	1309	1339	1369	1353	1298	15- 20	2262	5468	37.1,37.1
25	1123	1080	1085	1118	1147	1193	1184	1124	20- 25	2567	8036	54.5,54.5
30	876.5	810.1	790.3	808.9	826.6	900.3	910.1	859.7	25- 30	2518	10554	71.6,71.6
35	535.8	463.0	423.8	417.2	403.9	484.1	524.4	505.7	30- 35	1930	12484	84.7,84.7
40	246.7	206.0	184.2	173.8	155.6	192.7	223.0	227.8	35- 40	1053	13537	91.9,91.9
45	87.27	55.72	44.48	41.89	40.45	52.76	72.14	78.18	40- 45	448.9	13986	94.9,94.9
50	28.11	25.50	25.21	25.36	24.70	25.97	27.42	28.41	45- 50	145.4	14132	95.9,95.9
55	22.59	21.30	21.66	22.15	21.93	22.34	22.92	23.05	50- 55	103.9	14235	96.6,96.6
60	20.63	19.45	20.30	21.08	20.58	20.63	21.41	21.50	55- 60	99.01	14334	97.3,97.3
65	19.42	18.22	18.86	20.09	19.07	19.33	20.37	20.88	60- 65	98.08	14433	98,98
70	17.62	16.47	16.59	17.53	16.77	17.28	18.11	18.87	65- 70	94.07	14527	98.6,98.6
75	14.93	13.68	12.62	10.61	12.79	13.79	14.34	14.13	70- 75	81.64	14608	99.1,99.1
80	10.38	8.600	5.131	4.371	7.397	8.441	6.334	6.252	75- 80	54.77	14663	99.5,99.5
85	4.379	1.993	1.475	1.474	1.332	1.967	2.261	2.506	80- 85	24.83	14688	99.7,99.7
90	0.1812	0.0374	0.0375	0.0353	0.0344	0.0369	0.0352	0.0781	85- 90	4.356	14692	99.7,99.7
95	0.0379	0.0369	0.0380	0.0376	0.0352	0.0342	0.0340	0.0347	90- 95	0.2020	14692	99.7,99.7
100	0.0393	0.0435	0.0457	0.0447	0.0423	0.0402	0.0392	0.0381	95-100	0.2089	14693	99.7,99.7
105	0.0461	0.0501	0.0535	0.0525	0.0500	0.0468	0.0469	0.0464	100-105	0.2452	14693	99.7,99.7
110	0.0555	0.0600	0.0628	0.0635	0.0637	0.0572	0.0568	0.0552	105-110	0.2826	14693	99.7,99.7
115	0.0736	0.0798	0.0871	0.0890	0.1001	0.0880	0.0828	0.0812	110-115	0.3552	14694	99.7,99.7
120	0.1202	0.1387	0.1537	0.1531	0.1841	0.1595	0.1474	0.1452	115-120	0.5471	14694	99.7,99.7
125	0.2267	0.2653	0.2848	0.2790	0.3402	0.2991	0.2786	0.2749	120-125	0.9592	14695	99.7,99.7
130	0.4203	0.4738	0.4963	0.4828	0.5718	0.5146	0.4876	0.4879	125-130	1.644	14697	99.7,99.7
135	0.6942	0.7636	0.7866	0.7632	0.8788	0.8039	0.7732	0.7776	130-135	2.533	14699	99.8,99.8
140	1.038	1.122	1.143	1.107	1.242	1.152	1.125	1.135	135-140	3.508	14703	99.8,99.8
145	1.433	1.522	1.529	1.489	1.625	1.534	1.515	1.528	140-145	4.406	14707	99.8,99.8
150	1.829	1.904	1.911	1.850	2.001	1.910	1.903	1.925	145-150	5.032	14712	99.8,99.8
155	2.187	2.258	2.270	2.224	2.377	2.272	2.275	2.296	150-155	5.266	14717	99.9,99.9
160	2.548	2.630	2.644	2.607	2.757	2.646	2.647	2.665	155-160	5.135	14723	99.9,99.9
165	2.921	3.010	3.017	2.979	3.141	3.044	3.046	3.058	160-165	4.660	14727	100,100
170	3.315	3.400	3.393	3.358	3.496	3.399	3.386	3.403	165-170	3.796	14731	100,100
175	3.639	3.682	3.672	3.643	3.751	3.693	3.687	3.690	170-175	2.530	14734	100,100
180	3.854	3.866	3.852	3.847	3.889	3.847	3.843	3.836	175-180	0.8947	14734	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	9513	3192
80	11315	5573
75	10918	9198
70	9754	9149
65	8700	8417
60	7813	7658
55	7456	7121
50	8278	7397
45	23367	11863

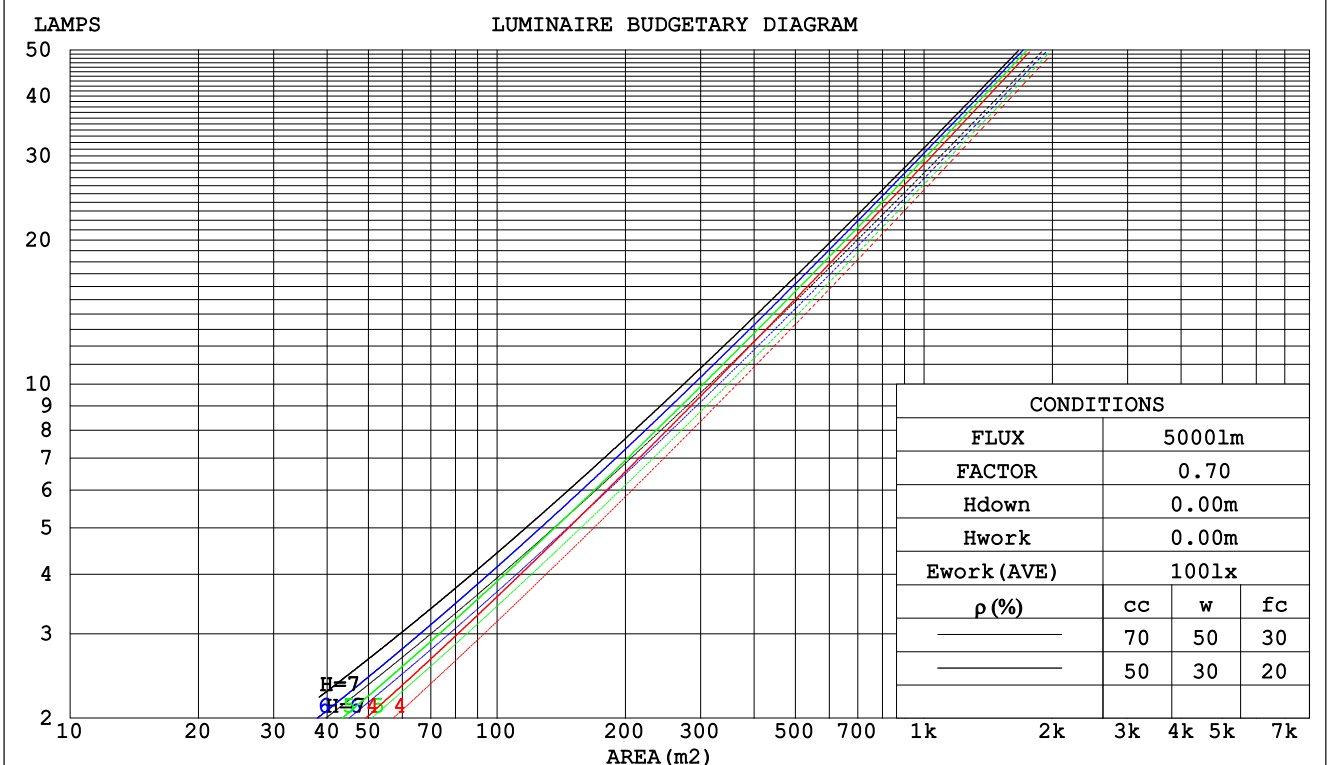
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-11-23

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
Humidity:65.0%
Test Distance:9.300m [K=1.0000]
Remarks: 60°

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.7V I:0.4520A P:97.50W PF:0.9760 Lamp Flux:14734.4x1 lm		
NAME: Bulkhead Lamp	TYPE:Outdoor	WEIGHT:2.10
SPEC.:CP-HB03-0100-N01	DIM.:	SERIAL No.:
	SUR.:d=0.26	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
pw																0
pfc	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	.00
1.0	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.00	1.00	.99	.97	.97	.96	.94	.93
2.0	1.02	.98	.95	1.01	.97	.94	.97	.94	.91	.94	.92	.89	.91	.89	.88	.86
3.0	.95	.90	.86	.94	.89	.85	.91	.87	.84	.89	.85	.83	.86	.84	.81	.80
4.0	.89	.83	.79	.88	.82	.78	.86	.81	.77	.83	.80	.77	.82	.78	.76	.74
5.0	.83	.77	.73	.82	.77	.73	.80	.76	.72	.79	.74	.71	.77	.73	.71	.69
6.0	.78	.72	.68	.77	.72	.67	.76	.71	.67	.74	.70	.66	.73	.69	.66	.64
7.0	.73	.67	.63	.73	.67	.63	.71	.66	.62	.70	.66	.62	.69	.65	.62	.60
8.0	.69	.63	.59	.69	.63	.59	.67	.62	.58	.66	.62	.58	.65	.61	.58	.57
9.0	.65	.59	.55	.65	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.55	.53
10.0	.62	.56	.52	.61	.56	.52	.60	.55	.52	.60	.55	.52	.59	.55	.51	.50



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-11-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:9.300m [K=1.0000]
 Remarks: 60°

WEC AND CCEC

Test:U:220.7V I:0.4520A P:97.50W PF:0.9760 Lamp Flux:14734.4x1 lm		
NAME: Bulkhead Lamp	TYPE:Outdoor	WEIGHT:2.10
SPEC.:CP-HB03-0100-N01	DIM.:	SERIAL No.:
	SUR.:d=0.26	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.186	.106	.034	.179	.102	.033	.167	.096	.031	.155	.089	.029	.144	.083	.027	
2.0	.177	.097	.030	.171	.094	.029	.161	.089	.028	.151	.085	.026	.141	.080	.025	
3.0	.168	.089	.027	.163	.087	.026	.154	.083	.025	.145	.080	.024	.137	.076	.024	
4.0	.159	.083	.024	.155	.081	.024	.147	.078	.023	.139	.075	.023	.133	.072	.022	
5.0	.151	.077	.022	.148	.076	.022	.141	.073	.022	.134	.071	.021	.128	.068	.021	
6.0	.144	.072	.021	.141	.071	.020	.135	.069	.020	.129	.067	.020	.123	.065	.019	
7.0	.137	.068	.019	.134	.067	.019	.129	.065	.019	.124	.063	.018	.119	.062	.018	
8.0	.131	.064	.018	.129	.063	.018	.124	.062	.018	.119	.060	.017	.115	.059	.017	
9.0	.126	.061	.017	.123	.060	.017	.119	.059	.017	.115	.058	.016	.111	.056	.016	
10.0	.120	.058	.016	.118	.057	.016	.114	.056	.016	.111	.055	.016	.107	.054	.015	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.193	.193	.193	.165	.165	.165	.112	.112	.112	.065	.065	.065	.021	.021	.021	
1.0	.174	.159	.146	.149	.137	.126	.102	.094	.087	.059	.054	.051	.019	.018	.016	
2.0	.159	.135	.114	.136	.116	.099	.093	.080	.069	.054	.047	.040	.017	.015	.013	
3.0	.147	.116	.091	.126	.100	.079	.087	.069	.055	.050	.041	.033	.016	.013	.011	
4.0	.137	.101	.074	.117	.087	.064	.081	.061	.045	.047	.036	.027	.015	.012	.009	
5.0	.128	.090	.061	.110	.078	.053	.076	.054	.038	.044	.032	.022	.014	.010	.007	
6.0	.121	.080	.051	.104	.070	.045	.072	.049	.032	.042	.029	.019	.013	.009	.006	
7.0	.114	.073	.044	.098	.063	.038	.068	.044	.027	.040	.026	.016	.013	.009	.005	
8.0	.109	.067	.038	.094	.058	.033	.065	.041	.023	.038	.024	.014	.012	.008	.005	
9.0	.104	.062	.033	.089	.053	.029	.062	.038	.021	.036	.022	.012	.012	.007	.004	
10.0	.099	.057	.029	.085	.050	.026	.059	.035	.018	.035	.021	.011	.011	.007	.004	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-11-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:9.300m [K=1.0000]
 Remarks: 60°

Uncorrected UGR Table

Test:U:220.7V I:0.4520A P:97.50W PF:0.9760 Lamp Flux:14734.4x1 lm										
NAME: Bulkhead Lamp					TYPE:Outdoor			WEIGHT:2.10		
SPEC.:CP-HB03-0100-N01					DIM.:			SERIAL No.:		
					SUR.:d=0.26			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	20.0	21.0	20.2	21.1	21.3	19.4	20.4	19.7	20.6	20.8
3H	20.2	21.1	20.4	21.3	21.5	19.7	20.5	19.9	20.8	21.0
4H	20.3	21.2	20.6	21.4	21.6	19.8	20.6	20.1	20.9	21.1
6H	20.5	21.3	20.8	21.5	21.8	19.8	20.6	20.1	20.9	21.1
8H	20.5	21.3	20.8	21.5	21.8	19.8	20.6	20.1	20.8	21.1
12H	20.5	21.3	20.9	21.6	21.8	19.8	20.5	20.1	20.8	21.1
4H 2H	19.8	20.7	20.1	20.9	21.1	19.3	20.2	19.6	20.4	20.6
3H	20.2	20.9	20.5	21.2	21.5	19.7	20.4	20.0	20.7	21.0
4H	20.4	21.1	20.8	21.4	21.7	19.9	20.6	20.3	20.9	21.2
6H	20.6	21.2	21.0	21.5	21.9	20.0	20.6	20.4	21.0	21.3
8H	20.7	21.2	21.1	21.6	22.0	20.0	20.6	20.4	20.9	21.3
12H	20.7	21.2	21.1	21.6	22.0	20.0	20.5	20.4	20.9	21.3
8H 4H	20.5	21.0	20.9	21.4	21.7	20.0	20.6	20.4	20.9	21.3
6H	20.7	21.2	21.1	21.5	22.0	20.2	20.7	20.6	21.1	21.5
8H	20.8	21.2	21.2	21.6	22.1	20.2	20.6	20.7	21.1	21.5
12H	20.9	21.2	21.3	21.6	22.1	20.2	20.6	20.7	21.0	21.5
12H 4H	20.4	20.9	20.9	21.3	21.7	20.0	20.5	20.4	20.9	21.3
6H	20.7	21.1	21.2	21.5	22.0	20.2	20.6	20.7	21.0	21.5
8H	20.8	21.1	21.3	21.6	22.1	20.3	20.6	20.7	21.1	21.5
Variations with the observer position at spacings:										
S = 1.0H	+ 2.8 / - 2.6					+ 2.0 / - 2.4				
1.5H	+ 5.1 / - 2.6					+ 4.1 / - 2.4				
2.0H	+ 2.5 / - 0.4					+ 0.6 / - 0.3				

CIE Pub.117 Corrected 14734 lm Total Lamp Luminous Flux. (8log(F/F0) = 9.3)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-11-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
Humidity:65.0%
Test Distance:9.300m [K=1.0000]
Remarks: 60°

UTILIZATION FACTORS TABLE

Test:U:220.7V I:0.4520A P:97.50W PF:0.9760 Lamp Flux:14734.4x1 lm		
NAME: Bulkhead Lamp	TYPE:Outdoor	WEIGHT:2.10
SPEC.:CP-HB03-0100-N01	DIM.:	SERIAL No.:
	SUR.:d=0.26	PROTECTION ANGLE:

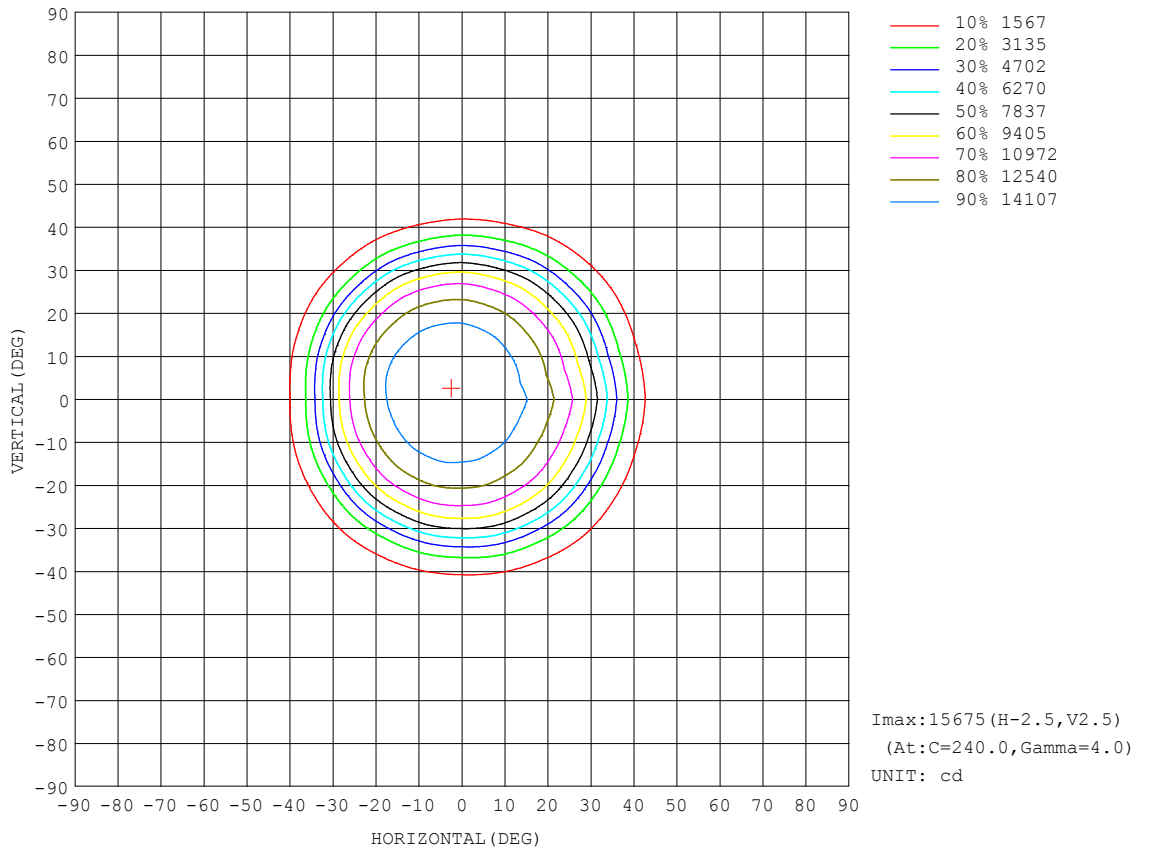
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	87	80	76	86	80	76	85	80	76	72
0.80	94	88	84	93	88	84	92	87	84	80
1.00	98	93	89	98	92	89	96	92	88	84
1.25	102	97	93	101	96	93	99	95	92	88
1.50	105	100	97	104	99	96	102	98	95	91
2.00	108	104	100	106	102	99	104	100	98	93
2.50	110	106	103	108	104	102	105	102	100	94
3.00	111	108	105	109	106	104	106	104	102	95
4.00	113	111	108	111	109	107	108	106	104	97
5.00	115	112	110	113	111	109	109	107	106	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-11-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:9.300m [K=1.0000]
 Remarks: 60°

ISOCANDELA DIAGRAM

Test:U:220.7V I:0.4520A P:97.50W PF:0.9760 Lamp Flux:14734.4x1 lm		
NAME: Bulkhead Lamp	TYPE:Outdoor	WEIGHT:2.10
SPEC.:CP-HB03-0100-N01	DIM.:	SERIAL No.:
	SUR.:d=0.26	PROTECTION ANGLE:

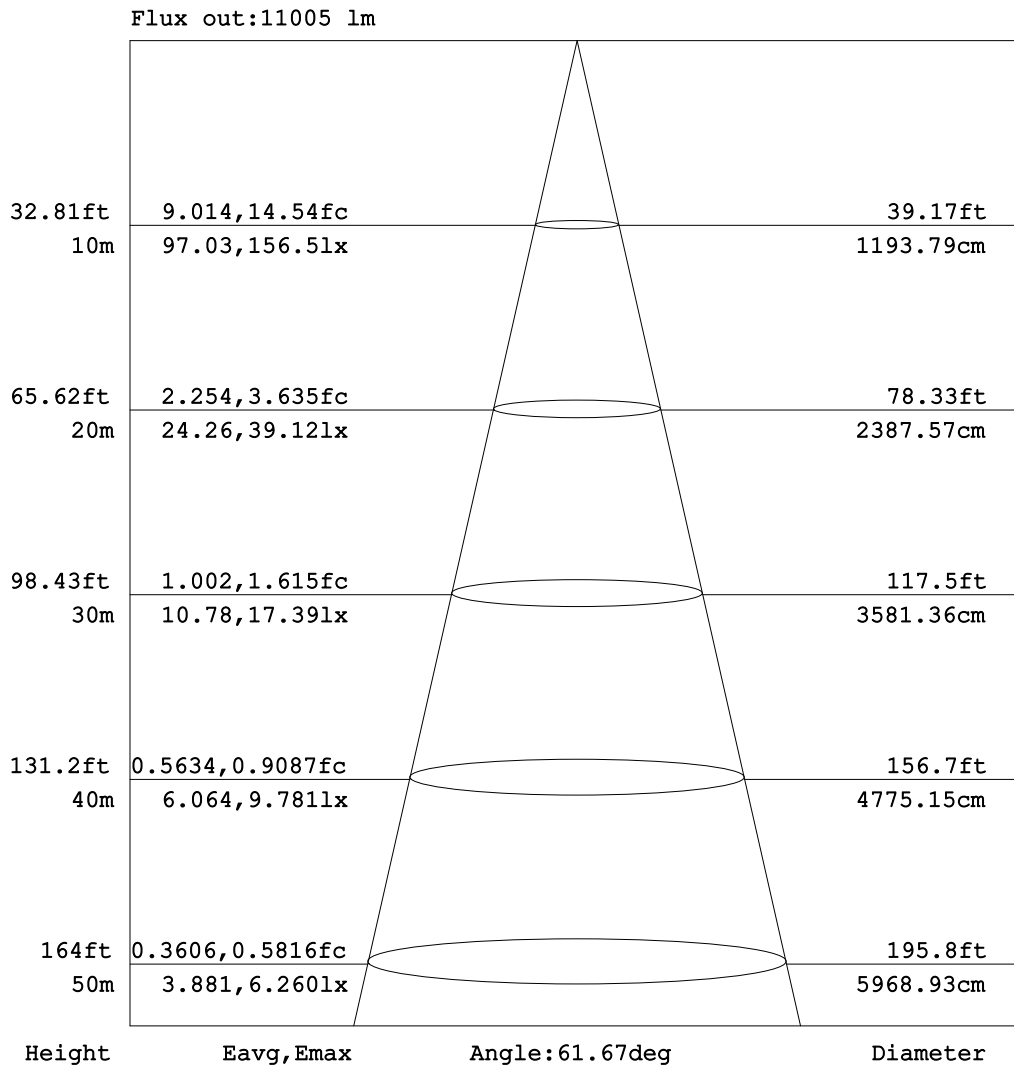


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-11-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:9.300m [K=1.0000]
 Remarks: 60°

AAI Figure

Test:U:220.7V I:0.4520A P:97.50W PF:0.9760 Lamp Flux:14734.4x1 lm		
NAME: Bulkhead Lamp	TYPE:Outdoor	WEIGHT:2.10
SPEC.:CP-HB03-0100-N01	DIM.:	SERIAL No.:
	SUR.:d=0.26	PROTECTION ANGLE:



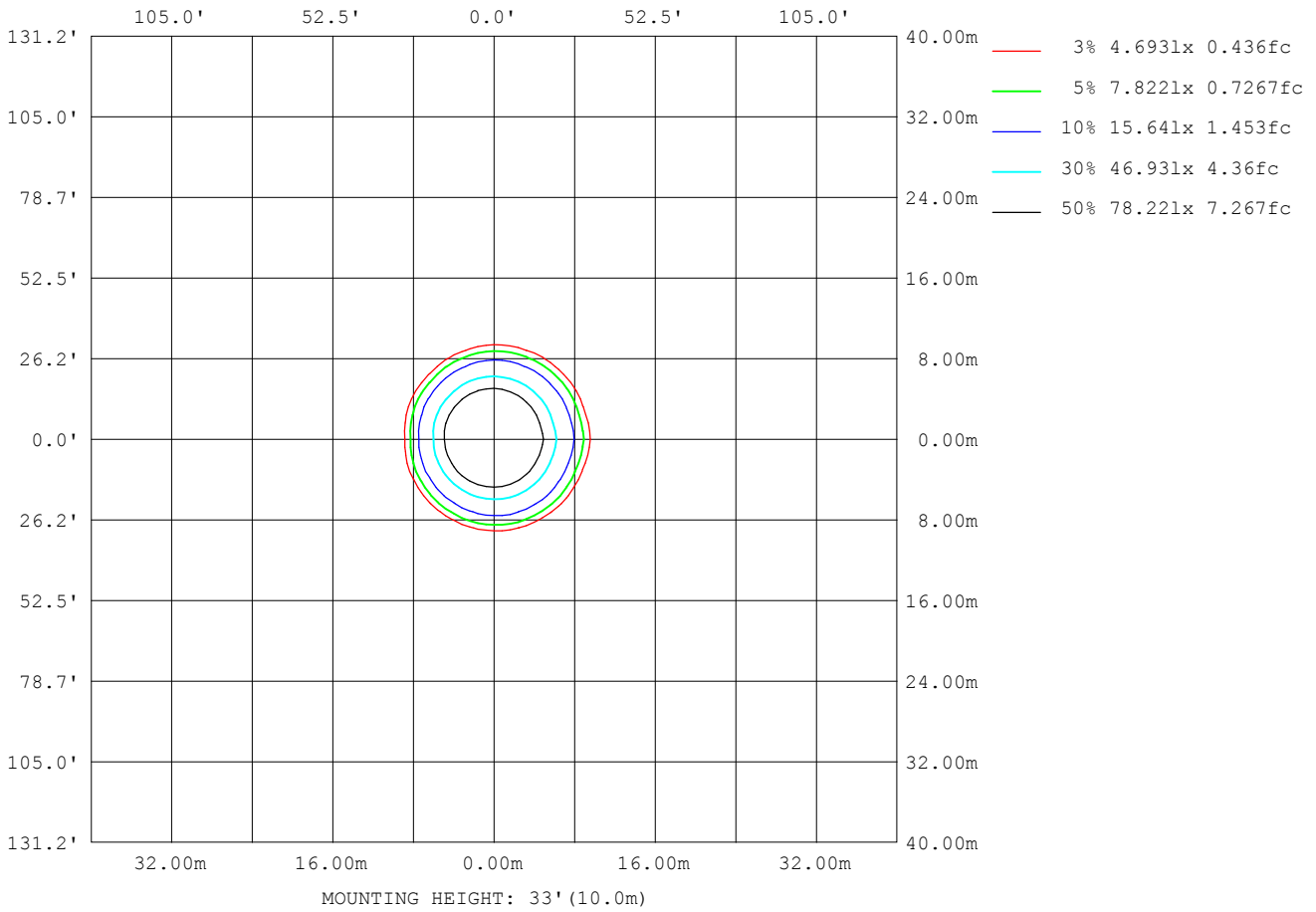
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-11-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:9.300m [K=1.0000]
 Remarks: 60°

ISOLUX DIAGRAM

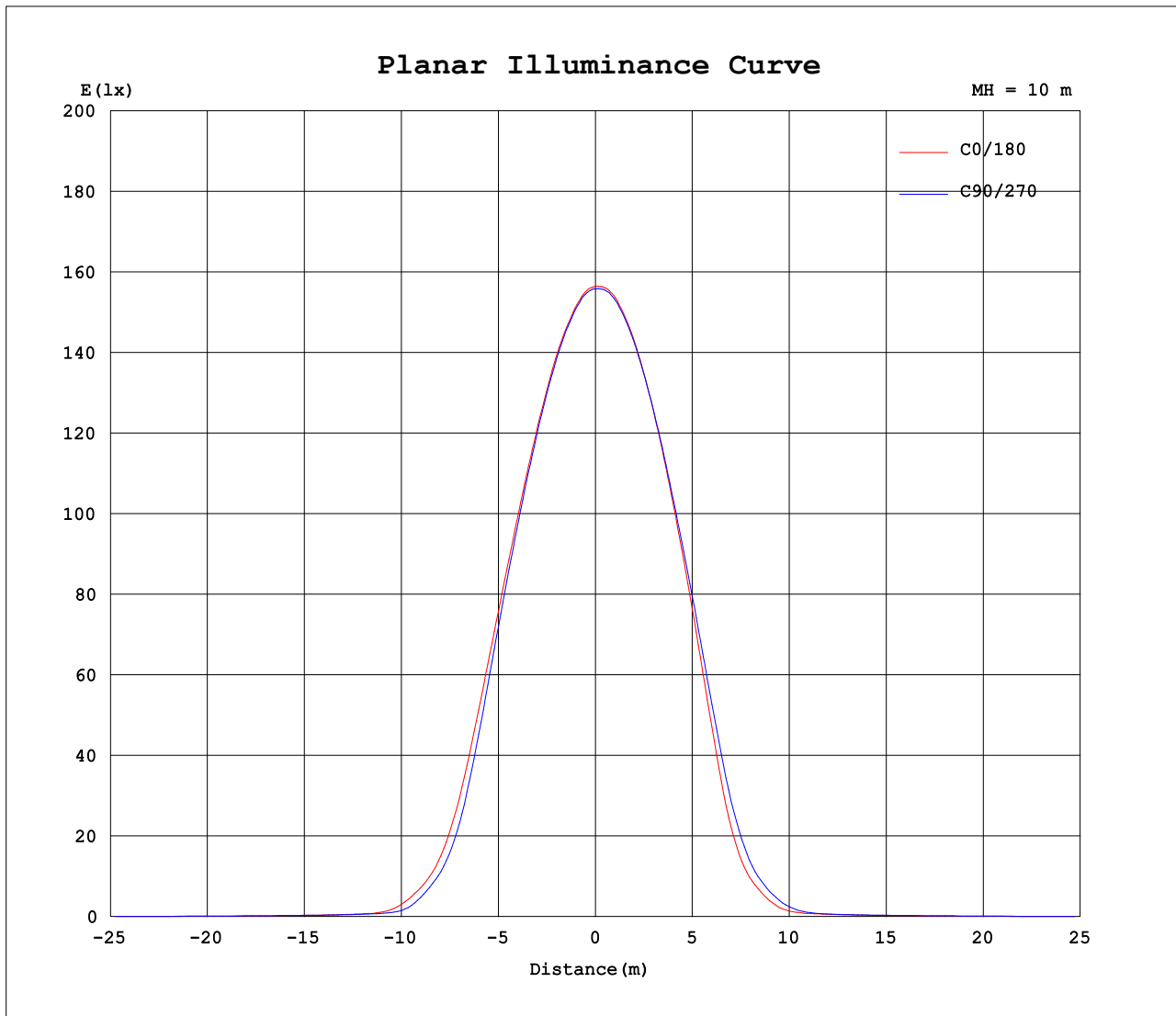
Test:U:220.7V I:0.4520A P:97.50W PF:0.9760 Lamp Flux:14734.4x1 lm		
NAME: Bulkhead Lamp	TYPE:Outdoor	WEIGHT:2.10
SPEC.:CP-HB03-0100-N01	DIM.:	SERIAL No.:
	SUR.:d=0.26	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-11-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:9.300m [K=1.0000]
 Remarks: 60°

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-11-23

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
Humidity:65.0%
Test Distance:9.300m [K=1.0000]
Remarks: 60°

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.4520A P:97.50W PF:0.9760 Lamp Flux:14734.4x1 lm		
NAME: Bulkhead Lamp	TYPE:Outdoor	WEIGHT:2.10
SPEC.:CP-HB03-0100-N01	DIM.:	SERIAL No.:
	SUR.:d=0.26	PROTECTION ANGLE:

Table--1

UNIT: ×10cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1559	1559	1559	1559	1559	1559	1559	1559	1559	1559	1559	1559	1559	1559	1559	1559	1559	1559	1559
5	1538	1531	1529	1531	1532	1536	1538	1544	1547	1552	1555	1559	1559	1562	1564	1564	1564	1561	1558
10	1488	1477	1475	1477	1478	1483	1486	1495	1500	1509	1517	1524	1525	1535	1539	1537	1538	1532	1526
15	1409	1392	1387	1390	1392	1400	1404	1415	1421	1434	1441	1453	1457	1472	1479	1476	1476	1467	1462
20	1291	1264	1258	1263	1264	1274	1276	1288	1294	1309	1319	1333	1339	1363	1372	1369	1369	1360	1353
25	1123	1085	1075	1080	1080	1088	1085	1097	1100	1118	1124	1144	1147	1184	1198	1193	1201	1187	1184
30	877	822	804	810	800	805	790	799	792	809	809	830	827	882	903	900	919	907	910
35	536	481	461	463	446	445	424	424	410	417	408	421	404	457	482	484	510	509	524
40	247	214	205	206	196	195	184	182	173	174	167	169	156	177	189	193	207	211	223
45	87.3	67.3	59.0	55.7	49.1	48.5	44.5	44.7	41.5	41.9	40.4	42.8	40.4	49.6	53.7	52.8	59.7	62.4	72.1
50	28.1	26.5	25.9	25.5	25.1	25.2	25.2	25.6	25.4	25.4	25.3	25.5	24.7	25.8	25.9	26.0	26.3	26.6	27.4
55	22.6	21.8	21.5	21.3	21.2	21.4	21.7	21.9	22.0	22.1	22.4	22.5	21.9	22.4	22.2	22.3	22.5	22.8	22.9
60	20.6	20.3	20.0	19.5	19.6	20.2	20.3	20.3	20.5	21.1	21.2	21.2	20.6	21.1	20.8	20.6	20.8	21.4	21.4
65	19.4	19.5	18.8	18.2	18.2	19.4	18.9	18.5	18.7	20.1	19.7	19.7	19.1	20.3	19.6	19.3	19.5	20.6	20.4
70	17.6	17.7	16.7	16.5	16.4	17.3	16.6	16.5	16.5	17.5	17.2	17.5	16.8	17.7	17.2	17.3	17.5	18.3	18.1
75	14.9	12.8	13.1	13.7	13.2	11.4	12.6	13.2	12.9	10.6	12.4	13.6	12.8	11.2	12.5	13.8	14.1	13.2	14.3
80	10.4	5.44	5.94	8.60	8.28	4.70	5.13	7.93	7.71	4.37	4.92	8.13	7.40	4.43	5.03	8.44	8.98	5.42	6.33
85	4.38	2.09	1.97	1.99	2.27	1.58	1.47	1.47	1.41	1.47	1.52	1.70	1.33	1.60	1.79	1.97	2.92	2.01	2.26
90	0.18	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04
95	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03
100	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.05	0.04	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04
105	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
110	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
115	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.08	0.08	0.08
120	0.12	0.13	0.14	0.14	0.15	0.15	0.15	0.15	0.16	0.15	0.15	0.15	0.18	0.17	0.16	0.16	0.15	0.15	0.15
125	0.23	0.25	0.26	0.27	0.28	0.28	0.28	0.28	0.29	0.28	0.28	0.27	0.34	0.31	0.30	0.30	0.29	0.29	0.28
130	0.42	0.46	0.47	0.47	0.49	0.49	0.50	0.49	0.49	0.48	0.48	0.47	0.57	0.53	0.51	0.51	0.50	0.50	0.49
135	0.69	0.74	0.76	0.76	0.78	0.78	0.79	0.77	0.78	0.76	0.76	0.74	0.88	0.82	0.80	0.80	0.79	0.79	0.77
140	1.04	1.10	1.12	1.12	1.14	1.14	1.14	1.13	1.13	1.11	1.10	1.08	1.24	1.17	1.15	1.15	1.14	1.14	1.13
145	1.43	1.50	1.53	1.52	1.54	1.52	1.53	1.51	1.51	1.49	1.49	1.46	1.62	1.56	1.54	1.53	1.52	1.52	1.51
150	1.83	1.89	1.91	1.90	1.92	1.91	1.91	1.89	1.88	1.85	1.84	1.82	2.00	1.93	1.91	1.91	1.90	1.90	1.90
155	2.19	2.25	2.27	2.26	2.28	2.28	2.27	2.26	2.25	2.22	2.22	2.19	2.38	2.30	2.28	2.27	2.26	2.27	2.27
160	2.55	2.62	2.65	2.63	2.65	2.65	2.64	2.64	2.64	2.61	2.60	2.58	2.76	2.67	2.64	2.65	2.64	2.65	2.65
165	2.92	2.99	3.00	3.01	3.02	3.01	3.02	3.00	3.00	2.98	2.97	2.94	3.14	3.06	3.05	3.04	3.04	3.05	3.05
170	3.31	3.39	3.40	3.40	3.41	3.40	3.39	3.38	3.37	3.36	3.35	3.33	3.50	3.42	3.41	3.40	3.39	3.39	3.39
175	3.64	3.68	3.68	3.68	3.68	3.68	3.67	3.66	3.65	3.64	3.63	3.63	3.75	3.71	3.70	3.69	3.69	3.68	3.69
180	3.85	3.87	3.86	3.87	3.86	3.86	3.85	3.85	3.85	3.85	3.84	3.84	3.89	3.85	3.85	3.85	3.85	3.84	3.84

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-11-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:9.300m [K=1.0000]
 Remarks: 60°

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.4520A P:97.50W PF:0.9760 Lamp Flux:14734.4x1 lm		
NAME: Bulkhead Lamp	TYPE:Outdoor	WEIGHT:2.10
SPEC.:CP-HB03-0100-N01	DIM.:	SERIAL No.:
	SUR.:d=0.26	PROTECTION ANGLE:

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1559	1559	1559	1559	1559														
5	1554	1549	1544	1541	1536														
10	1517	1509	1498	1492	1482														
15	1447	1435	1419	1409	1395														
20	1334	1321	1298	1287	1268														
25	1161	1148	1124	1112	1089														
30	886	882	860	855	831														
35	511	520	506	510	492														
40	221	230	228	233	226														
45	73.5	80.8	78.2	80.9	74.1														
50	27.9	28.7	28.4	28.2	27.6														
55	23.1	23.1	23.1	22.9	22.9														
60	21.3	21.1	21.5	21.4	21.2														
65	20.0	19.9	20.9	20.5	20.0														
70	17.8	17.8	18.9	18.4	18.1														
75	14.9	14.9	14.1	14.8	15.2														
80	9.73	9.93	6.25	7.42	10.3														
85	2.92	3.92	2.51	2.71	3.46														
90	0.04	0.10	0.08	0.13	0.06														
95	0.04	0.03	0.03	0.03	0.04														
100	0.04	0.04	0.04	0.04	0.04														
105	0.05	0.05	0.05	0.05	0.05														
110	0.06	0.06	0.06	0.06	0.06														
115	0.08	0.08	0.08	0.08	0.08														
120	0.15	0.14	0.15	0.14	0.15														
125	0.28	0.27	0.27	0.27	0.28														
130	0.49	0.48	0.49	0.48	0.49														
135	0.78	0.77	0.78	0.77	0.79														
140	1.13	1.12	1.13	1.13	1.15														
145	1.52	1.52	1.53	1.53	1.55														
150	1.91	1.91	1.92	1.93	1.95														
155	2.28	2.28	2.30	2.30	2.33														
160	2.65	2.66	2.67	2.67	2.70														
165	3.05	3.06	3.06	3.07	3.10														
170	3.39	3.39	3.40	3.40	3.42														
175	3.69	3.69	3.69	3.69	3.70														
180	3.84	3.84	3.84	3.83	3.83														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-11-23

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:9.300m [K=1.0000]
 Remarks: 60°