

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	476.9 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	118.7V x 147.3H
	At 50% of Imax	89.0V x 109.2H
	At 90% of Imax	27.4V x 46.7H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	972.8 lumens per klm.
	To 50% of Imax	743.6 lumens per klm.
	To 90% of Imax	122.7 lumens per klm.

Upward LOR	0.1 %
Downward LOR	99.9 %

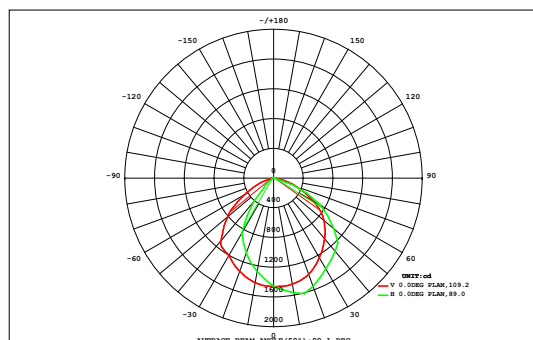
Luminaire Efficiency (Light Output Ratio)	100.2 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Test Date:2018-11-26

V(B) Range:-120 - 120DEG
V(B) Interval: 5.0DEG
Test System: GO-2000B_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 44320B-30-4K	TYPE:LED	WEIGHT:
SPEC.:30W	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:106.79lm/W	
MODEL	WP-30D-4000K(PC)	Imax(cd)	1626
NOMINAL POWER(W)	30	AVAILABILITY(%)	97.8
RATED VOLTAGE(V)	277	Avai. FLUX(lm)	3333
NOMINAL FLUX(lm)	3409.17	LOR(%)	100.2
LAMPS INSIDE	1	TOTAL FLUX(lm)	3417
TEST VOLTAGE(V)	277	θ @50%(H,V)	109,89DEG

VERTICAL(DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.01	0.01	0.03	0.05	0.09	0.13	0.14	0.15	0.16	0.17	0.18	0.14	0.07	0.04	0.02	0.01	0.01	1.41	0.00
90	0.01	0.02	0.05	0.10	0.18	0.32	0.45	0.46	0.51	0.58	0.61	0.63	0.46	0.20	0.11	0.06	0.02	0.01	4.76	0.00
80	0.01	0.03	0.09	0.18	0.36	0.62	0.77	0.85	0.90	0.90	0.87	0.81	0.61	0.37	0.19	0.10	0.04	0.01	7.71	0.00
70	0.01	0.05	0.18	0.44	0.93	1.51	1.92	2.16	2.28	2.29	2.26	2.09	1.73	1.12	0.57	0.27	0.09	0.01	19.9	0.00
60	0.01	0.10	0.43	1.15	2.37	3.75	4.75	5.37	5.73	5.92	5.97	5.53	4.53	2.85	1.45	0.64	0.17	0.01	50.7	33.5
50	0.01	0.26	1.52	4.30	8.34	12.2	15.2	17.7	19.1	19.3	18.5	16.6	13.4	9.56	5.27	2.07	0.45	0.01	164	161
40	0.01	0.50	2.65	7.15	13.4	19.2	24.0	27.9	29.9	30.1	28.6	25.4	20.6	14.7	7.96	3.14	0.70	0.01	256	254
30	0.02	0.70	3.42	8.65	16.3	23.3	29.1	33.4	35.7	35.9	34.1	30.2	24.4	17.0	9.37	3.92	0.95	0.02	306	305
20	0.02	0.92	4.33	10.8	18.8	26.0	32.8	38.3	41.2	41.3	39.1	34.2	27.8	20.5	11.9	4.96	1.13	0.02	354	353
10	0.02	1.12	5.08	12.2	20.7	28.8	36.6	42.7	45.8	46.0	43.4	37.8	31.0	22.9	13.5	5.55	1.25	0.02	394	394
0	0.01	1.13	5.26	12.7	22.3	31.5	39.9	45.8	48.5	49.1	46.7	40.4	32.2	23.1	13.5	5.70	1.29	0.01	419	418
-10	0.01	1.09	5.15	12.4	21.4	29.8	37.0	42.0	44.6	44.8	42.4	37.1	30.5	22.0	12.6	5.39	1.13	0.01	389	389
-20	0.00	1.00	4.77	11.5	19.7	27.4	33.8	38.3	40.6	40.7	38.5	34.4	28.5	20.2	11.6	4.89	0.92	0.00	357	356
-30	0.00	0.73	3.90	9.85	16.9	24.2	30.5	34.8	36.9	37.0	35.1	31.2	25.2	17.2	9.85	4.02	0.64	0.00	318	317
-40	0.00	0.44	2.55	6.52	11.7	17.1	21.9	25.2	26.8	26.9	25.3	22.1	17.2	11.3	6.11	2.20	0.31	0.00	223	222
-50	0.00	0.14	1.23	3.40	6.39	9.58	12.5	14.5	15.5	15.4	14.3	12.2	9.02	5.57	2.70	0.90	0.10	0.00	123	119
-60	0.00	0.05	0.41	0.88	1.38	1.91	2.28	2.50	2.59	2.48	2.19	1.74	1.12	0.60	0.23	0.04	0.00	0.00	20.4	9.98
-70	0.00	0.00	0.04	0.11	0.21	0.32	0.40	0.47	0.52	0.51	0.45	0.37	0.28	0.16	0.07	0.02	0.00	0.00	3.93	0.00
-80	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	0.00
-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	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL(DEG) 20 30 40 50 60 70 80 90																				
Φ t	0.12	8.29	41.1	102	181	258	324	372	397	399	378	333	269	190	107	43.9	9.20	0.14	3413	---
Φ a	0.00	6.11	36.0	98.5	175	251	318	367	391	393	373	327	263	185	103	39.1	6.93	0.00	---	3333

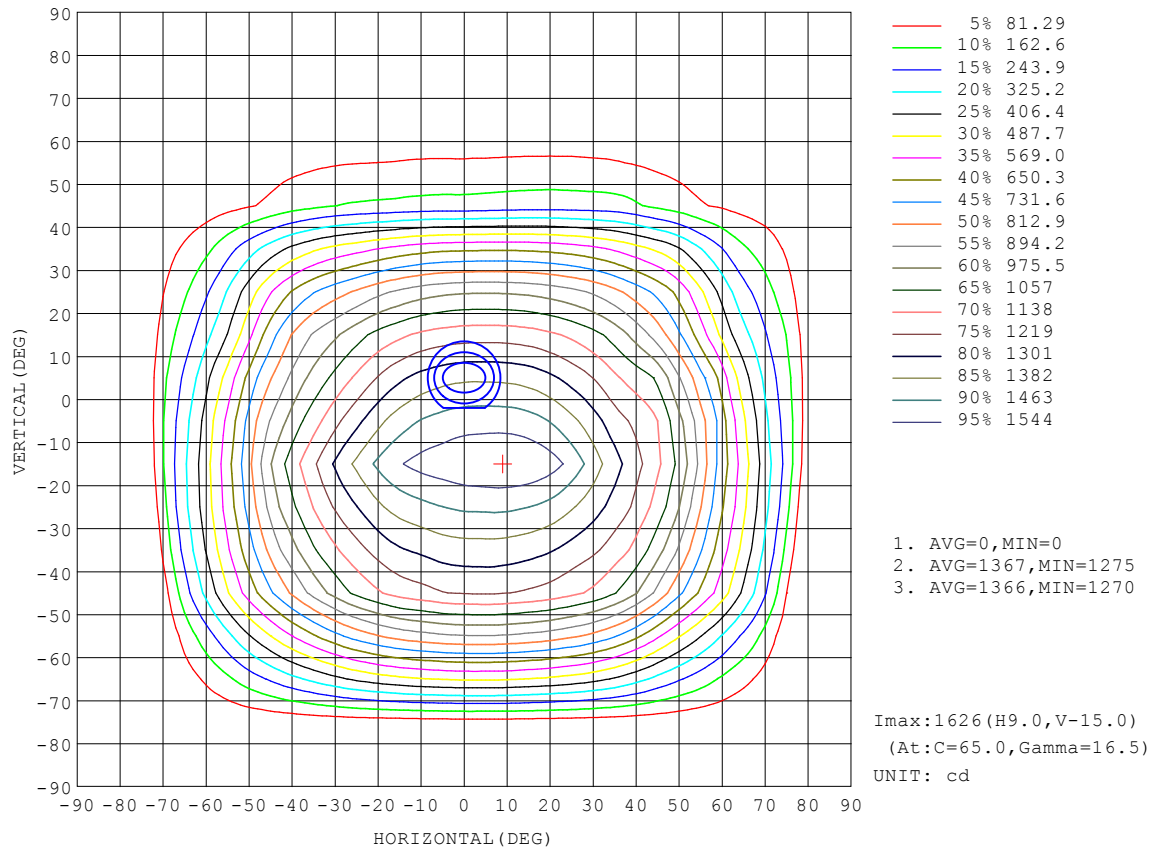
one-half-peak spread: U:42.9,D:46.5 , L:52.6,R:57.4
 IMA Beam Type: Type 7 x 6 (H x V)

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Test Date:2018-11-26

V(B) Range:-120 - 120DEG
 V(B) Interval: 5.0DEG
 Test System: GO-2000B_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:8.600m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME: 44320B-30-4K	TYPE:LED	WEIGHT:
SPEC.:30W	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:

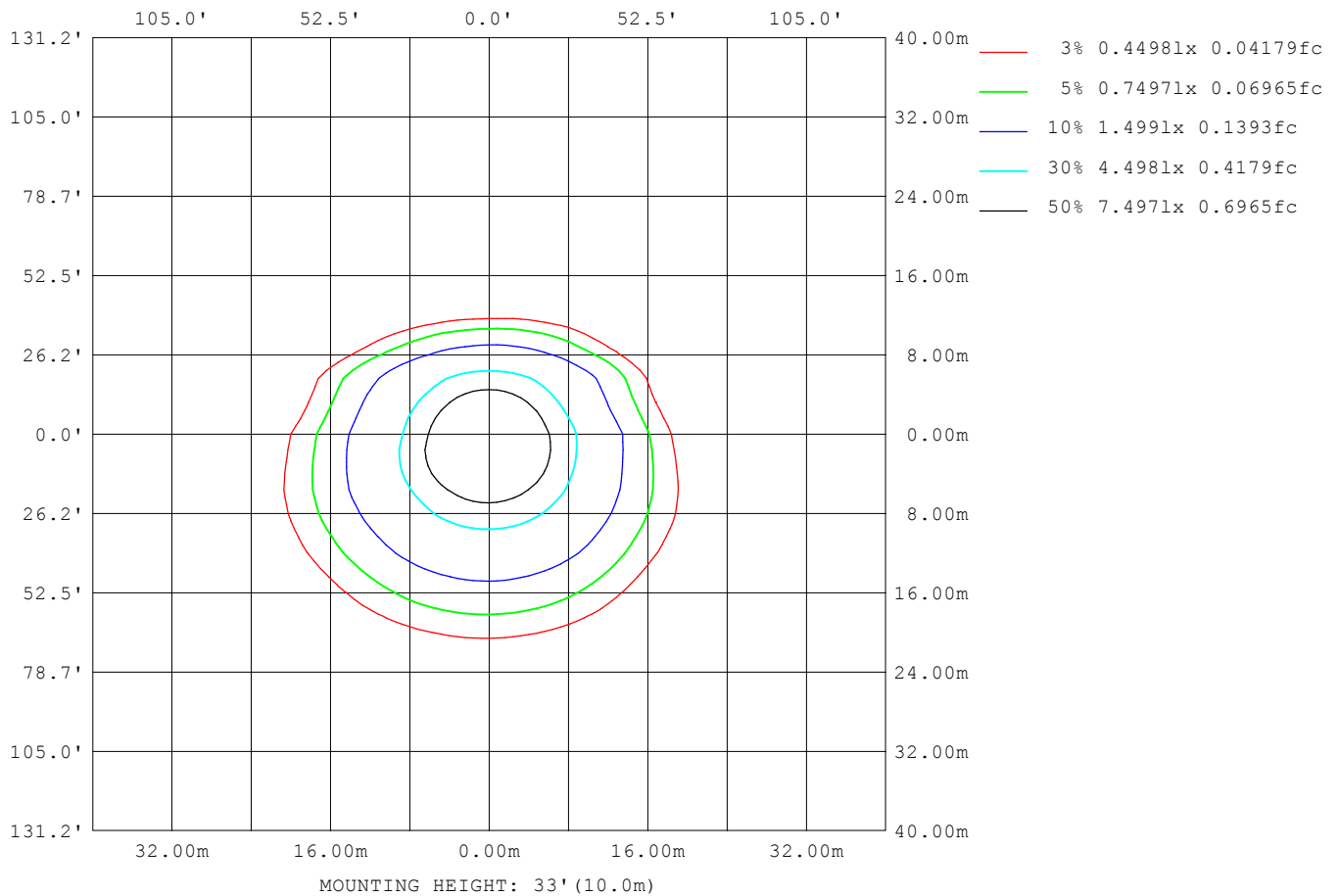


H(β) Range:-90 - 90DEG
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Test Speed: HIGH
Temperature:25.3DEG
Test Date:2018-11-26

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V(B) Interval: 5.0DEG
Test System: GO-2000B_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

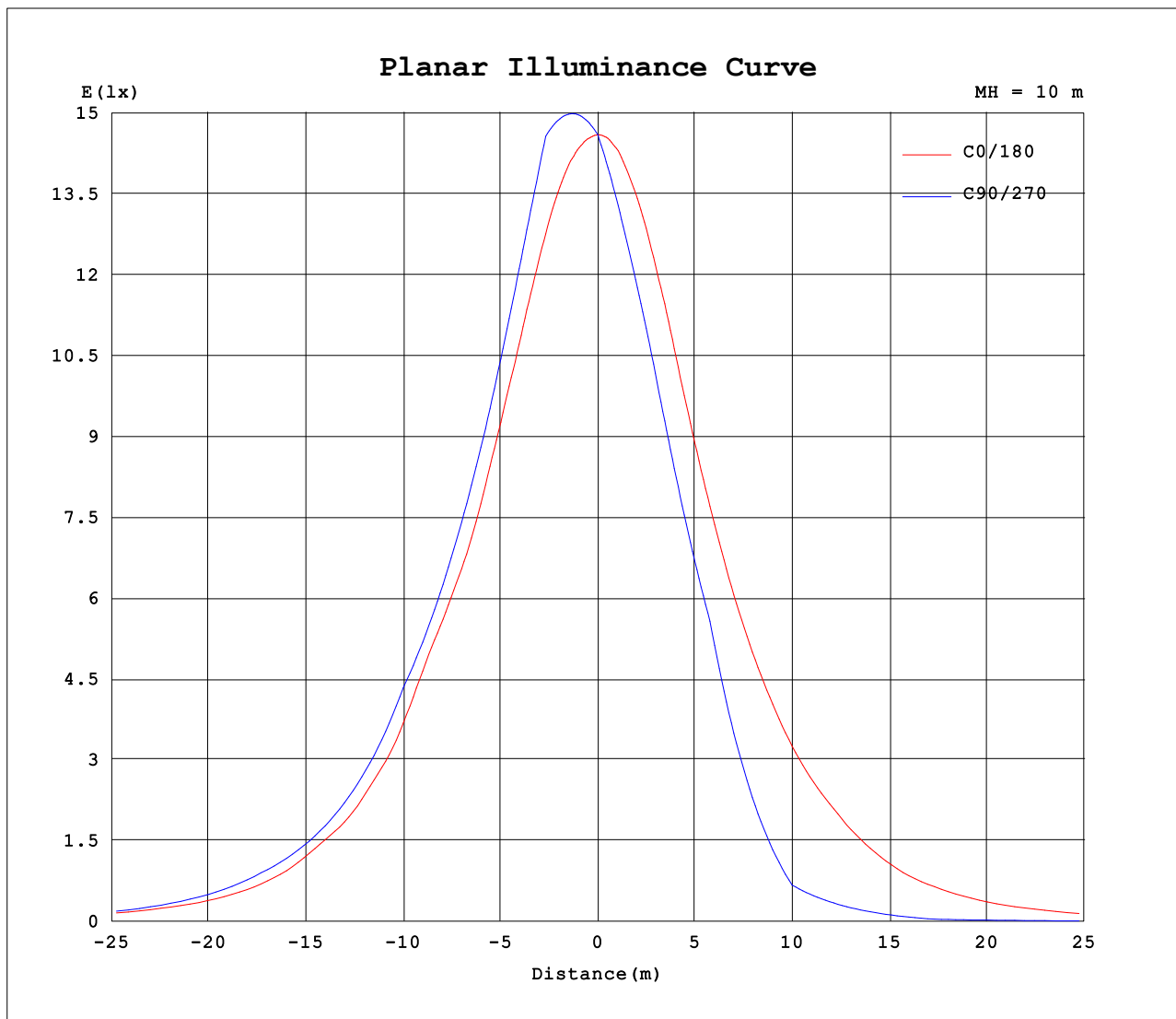
NAME: 44320B-30-4K	TYPE:LED	WEIGHT:
SPEC.:30W	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Test Date:2018-11-26

V(B) Range:-120 - 120DEG
V(B) Interval: 5.0DEG
Test System: GO-2000B_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

Planar Illuminance Curve

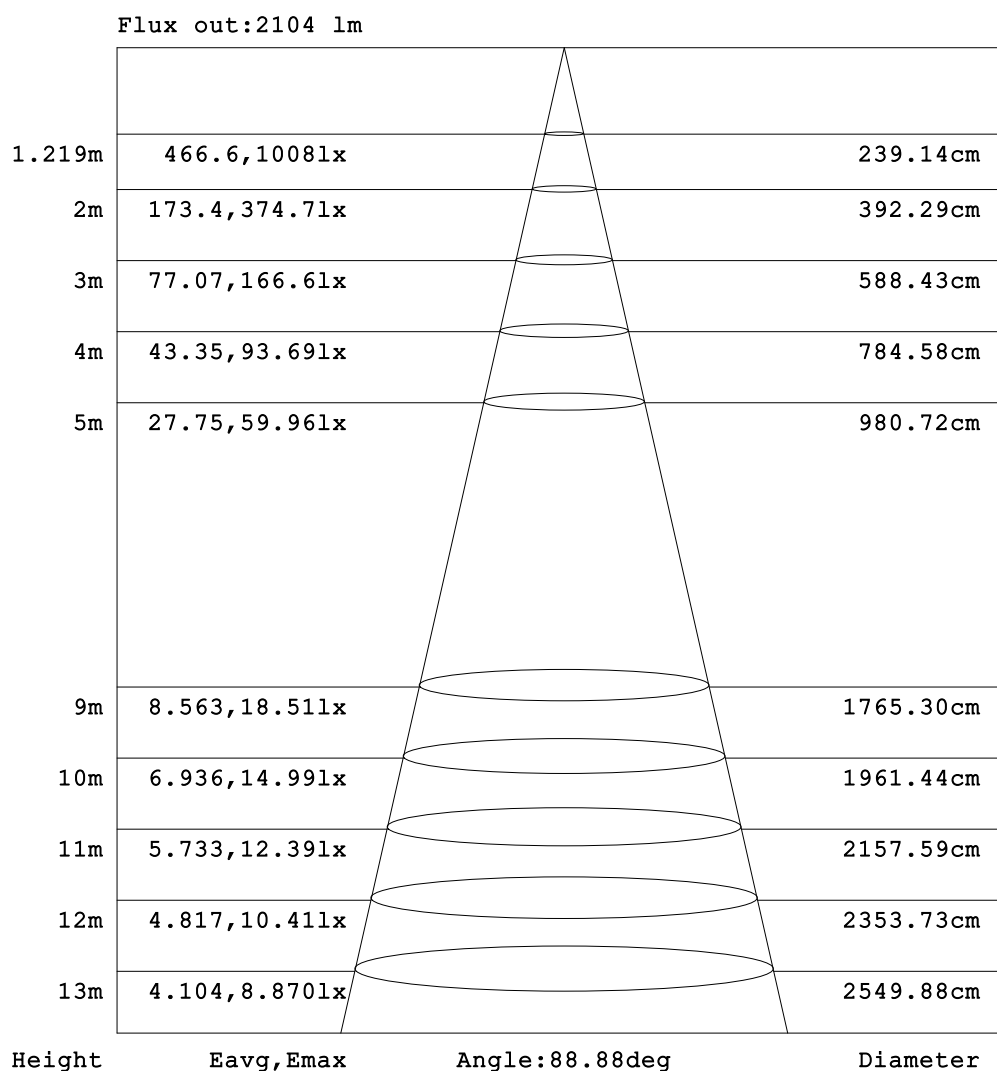


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Test Date:2018-11-26

V(B) Range:-120 - 120DEG
V(B) Interval: 5.0DEG
Test System: GO-2000B_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

AAI Figure

NAME: 44320B-30-4K	TYPE:LED	WEIGHT:
SPEC.:30W	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:



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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Test Date:2018-11-26

V(B) Range:-120 - 120DEG
V(B) Interval: 5.0DEG
Test System: GO-2000B_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 44320B-30-4K	TYPE:LED	WEIGHT:
SPEC.:30W	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	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
-170	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
-160	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
-150	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
-140	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
-130	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
-120	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
-110	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
-100	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
-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
-80	0.00	0.00	0.00	0.00	0.55	4.23	8.33	11.8	15.3	18.6	22.2	25.1	27.5	28.9	30.5	32.0	33.4	34.2	34.1
-70	0.00	0.00	0.00	3.18	26.2	55.6	85.8	117	144	170	193	215	234	248	259	267	272	275	275
-60	0.00	0.00	0.00	9.54	77.0	154	232	314	386	454	514	571	619	658	685	704	716	723	722
-50	0.00	0.00	0.31	53.1	184	300	416	524	623	715	797	871	931	978	1013	1032	1051	1058	1059
-40	0.00	0.00	3.55	104	268	406	547	677	802	907	1002	1080	1145	1198	1237	1258	1280	1287	1288
-30	0.00	0.00	9.72	162	328	474	625	776	925	1031	1128	1200	1260	1320	1358	1380	1401	1409	1409
-20	0.00	0.00	21.1	181	338	484	645	812	974	1090	1194	1287	1364	1436	1483	1511	1531	1545	1551
-10	0.00	0.08	31.3	190	333	478	639	811	960	1074	1174	1272	1355	1433	1489	1525	1547	1562	1567
0	0.00	0.23	40.3	186	316	457	607	770	882	981	1068	1154	1233	1312	1377	1422	1449	1459	1458
10	0.00	0.98	35.1	148	253	368	493	643	776	884	967	1034	1103	1164	1210	1245	1266	1276	1277
20	0.20	1.70	28.7	111	194	287	395	525	653	753	827	881	936	985	1021	1050	1067	1076	1077
30	0.61	2.40	21.1	75.6	139	214	314	417	512	588	649	694	732	775	809	835	851	857	857
40	1.37	2.72	12.6	37.0	65.3	100.0	145	192	239	282	315	341	358	375	391	403	410	412	415
50	1.91	2.82	7.00	14.1	21.7	31.9	43.8	57.4	74.9	94.3	108	120	126	129	133	136	138	138	141
60	2.22	2.69	4.36	6.85	8.41	9.83	11.5	14.1	19.3	26.0	30.0	31.9	33.5	34.7	35.6	36.3	35.8	35.1	34.4
70	2.09	2.22	2.84	4.14	5.13	6.18	7.37	8.83	11.3	15.1	18.2	20.8	22.4	22.2	22.1	22.7	23.0	23.4	24.1
80	1.80	1.64	1.58	1.92	2.32	2.90	3.59	4.29	5.15	6.69	8.50	10.5	11.5	11.0	10.6	11.0	11.5	12.1	13.0
90	1.34	0.96	0.58	0.22	0.00	0.00	0.16	0.45	0.68	0.83	0.91	0.99	1.06	1.09	1.11	1.14	1.16	1.17	1.18
100	0.70	0.34	0.19	0.10	0.18	0.39	0.69	1.00	1.28	1.50	1.68	1.82	1.92	1.99	2.03	2.07	2.09	2.09	2.08
110	0.25	0.02	0.05	0.37	0.91	1.54	2.19	2.79	3.36	3.88	4.34	4.73	5.04	5.27	5.44	5.58	5.65	5.68	5.64
120	0.00	0.00	0.15	1.04	2.18	3.42	4.65	5.82	6.94	7.97	8.92	9.74	10.4	10.9	11.3	11.7	11.9	11.9	11.8
130	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
140	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
150	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
160	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
170	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
180	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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Test Date:2018-11-26

V(B) Range:-120 - 120DEG
V(B) Interval: 5.0DEG
Test System: GO-2000B_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 44320B-30-4K	TYPE:LED	WEIGHT:
SPEC.:30W	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	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	
-170	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	
-160	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	
-150	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	
-140	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	
-130	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	
-120	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	
-110	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	
-100	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	
-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	
-80	33.5	32.0	30.4	28.6	26.9	25.2	22.5	19.1	15.0	11.5	7.97	3.78	0.57	0.00	0.00	0.00	0.00	0.00	
-70	272	266	258	247	232	214	189	160	132	105	75.7	49.2	21.0	1.61	0.00	0.00	0.00	0.00	
-60	715	701	681	656	616	566	498	423	352	281	203	136	61.4	4.83	0.00	0.00	0.00	0.00	
-50	1051	1037	1016	986	947	887	806	705	601	503	401	287	168	35.6	0.00	0.00	0.00	0.00	
-40	1280	1265	1243	1207	1168	1108	1026	915	790	664	537	396	250	77.3	1.22	0.00	0.00	0.00	
-30	1402	1385	1360	1321	1282	1229	1158	1052	917	762	612	463	308	130	3.65	0.00	0.00	0.00	
-20	1550	1534	1500	1439	1364	1286	1204	1105	976	808	644	484	328	163	11.3	0.00	0.00	0.00	
-10	1567	1549	1510	1443	1362	1279	1210	1123	988	823	653	481	327	177	19.1	0.00	0.00	0.00	
0	1452	1430	1388	1334	1274	1207	1174	1105	953	808	639	455	305	174	27.1	0.00	0.00	0.00	
10	1272	1257	1227	1187	1139	1075	1009	924	796	656	506	372	256	148	24.0	0.22	0.00	0.00	
20	1073	1062	1041	1012	972	915	844	764	658	528	397	293	205	115	19.6	0.72	0.06	0.00	
30	856	846	831	808	775	728	679	625	539	425	312	219	151	75.8	13.9	1.49	0.17	0.00	
40	418	418	414	404	390	370	337	300	254	197	149	107	76.8	40.3	9.09	2.09	0.97	0.39	
50	145	147	148	146	143	137	120	99.7	80.3	60.4	48.3	37.6	29.4	17.3	5.78	2.52	1.67	1.00	
60	34.1	33.4	33.3	33.6	32.0	29.7	27.4	23.0	17.4	13.6	11.2	10.0	8.65	6.68	3.92	2.80	2.28	1.82	
70	24.6	24.6	25.4	27.1	26.0	23.0	18.6	13.8	10.6	8.68	7.42	6.38	5.37	4.32	2.96	2.58	2.45	2.34	
80	13.6	13.8	14.7	16.3	15.7	13.5	9.78	6.48	5.07	4.43	3.87	3.16	2.64	2.37	2.06	2.21	2.41	2.61	
90	1.16	1.15	1.13	1.11	1.09	1.06	1.04	1.00	0.94	0.81	0.55	0.37	0.47	0.83	1.24	1.67	2.14	2.64	
100	2.05	2.02	1.96	1.89	1.80	1.68	1.53	1.36	1.16	0.91	0.62	0.37	0.27	0.35	0.59	0.98	1.53	2.16	
110	5.53	5.38	5.18	4.92	4.60	4.22	3.77	3.27	2.74	2.17	1.57	0.99	0.49	0.15	0.18	0.42	0.83	1.50	
120	11.6	11.2	10.8	10.2	9.50	8.67	7.75	6.75	5.70	4.57	3.40	2.22	1.12	0.24	0.00	0.00	0.04	0.67	
130	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	
140	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	
150	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	
160	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	
170	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	
180	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	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Test Date:2018-11-26

V(B) Range:-120 - 120DEG
V(B) Interval: 5.0DEG
Test System: GO-2000B_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks: