

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

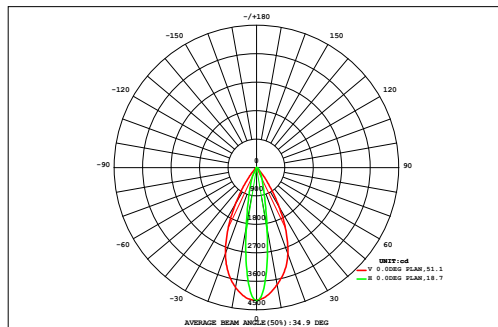
Maximum Intensity		2704.3 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of Imax	47.8V x 77.3H
	At 50% of Imax	18.7V x 51.1H
	At 90% of Imax	7.2V x 20.8H
Beam Flux	Total	1000.5 lumens per klm.
	To 10% of Imax	820.0 lumens per klm.
	To 50% of Imax	449.5 lumens per klm.
	To 90% of Imax	84.3 lumens per klm.
	Upward LOR	2.3 %
	Downward LOR	97.8 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(θ) Range:-90 - 90DEG
H(θ) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-09-19

V(β) Range:-180 - 180DEG
V(β) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.630m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME:Cobra-610mm-3000K-2050D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:20x50 DEG	DIM.:610MM	SERIAL No.:IES001724
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:67.03lm/W	
MODEL		Imax(cd)	4219
NOMINAL POWER(W)	23.28	AVAILABILITY(%)	82.1
RATED VOLTAGE(V)	24	Avai. FLUX(lm)	1281
NOMINAL FLUX(lm)	1560	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1560
TEST VOLTAGE(V)	24	q @50%(H,V)	51,19DEG

72 64 56 48 40 32 24
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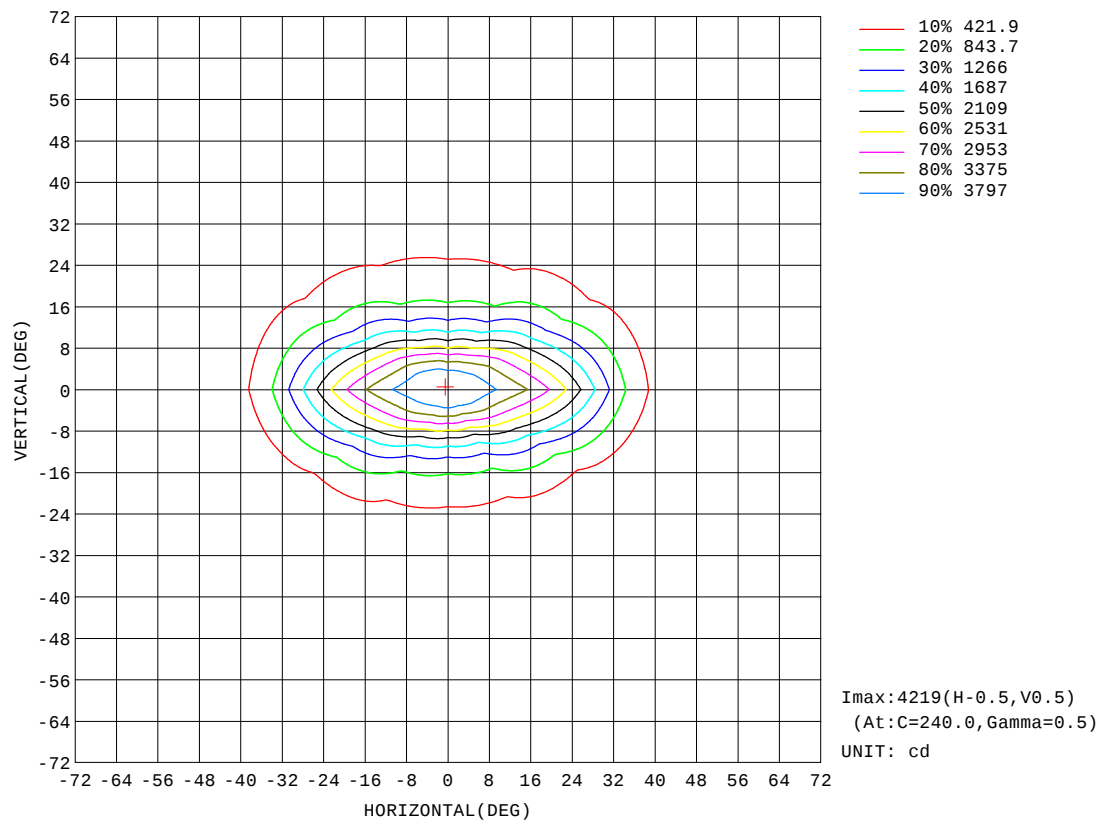
one-half-peak spread: U:9.9,D:9.0 , L:25.0,R:25.0 Beam Type: Type 5 x 4 (H x V)

H(B) Range:-90 - 90DEG
H(B) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-09-19

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.630m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME:Cobra-610mm-3000K-2050D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:20x50 DEG	DIM.:610MM	SERIAL No.:IES001724
MFR.:	SUR.:	Shielding Angle:

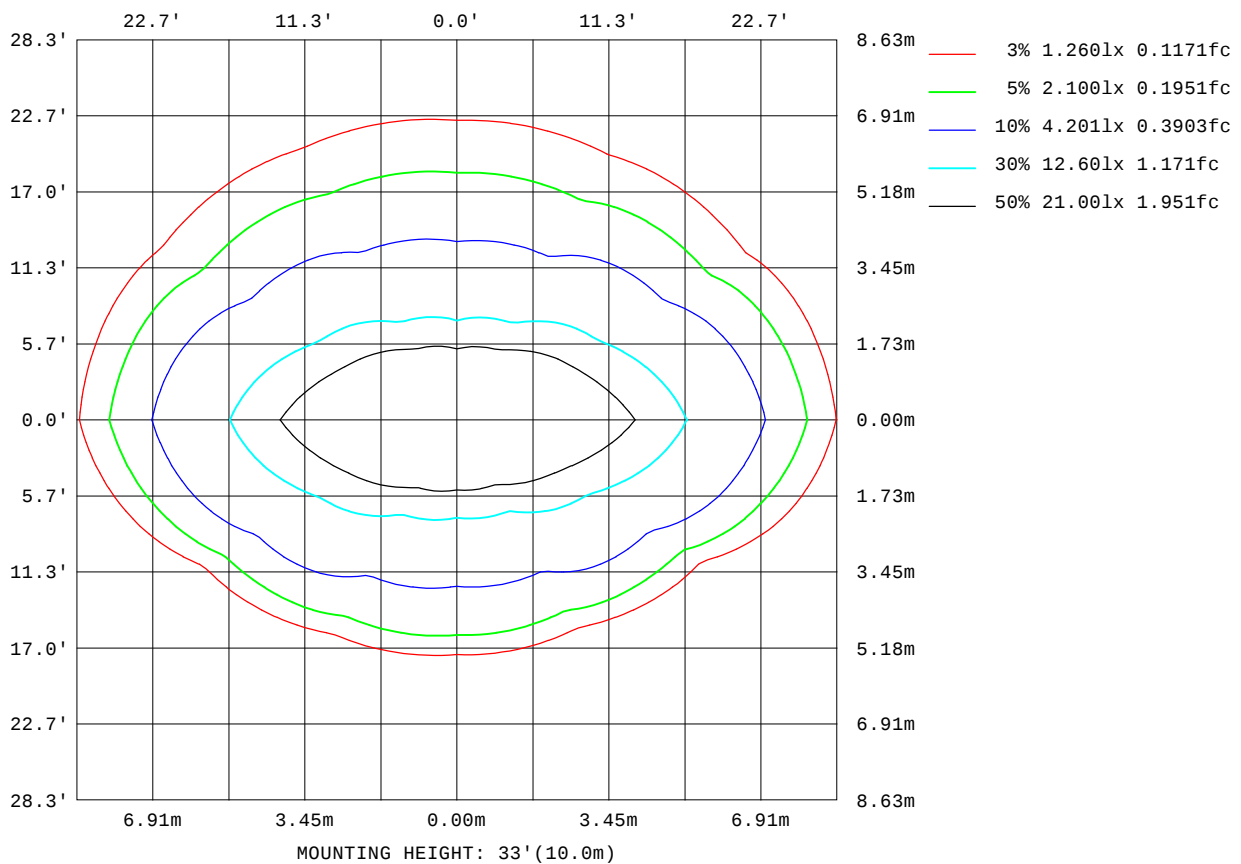


H(θ) Range:-90 - 90DEG
H(θ) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-09-19

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.630m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

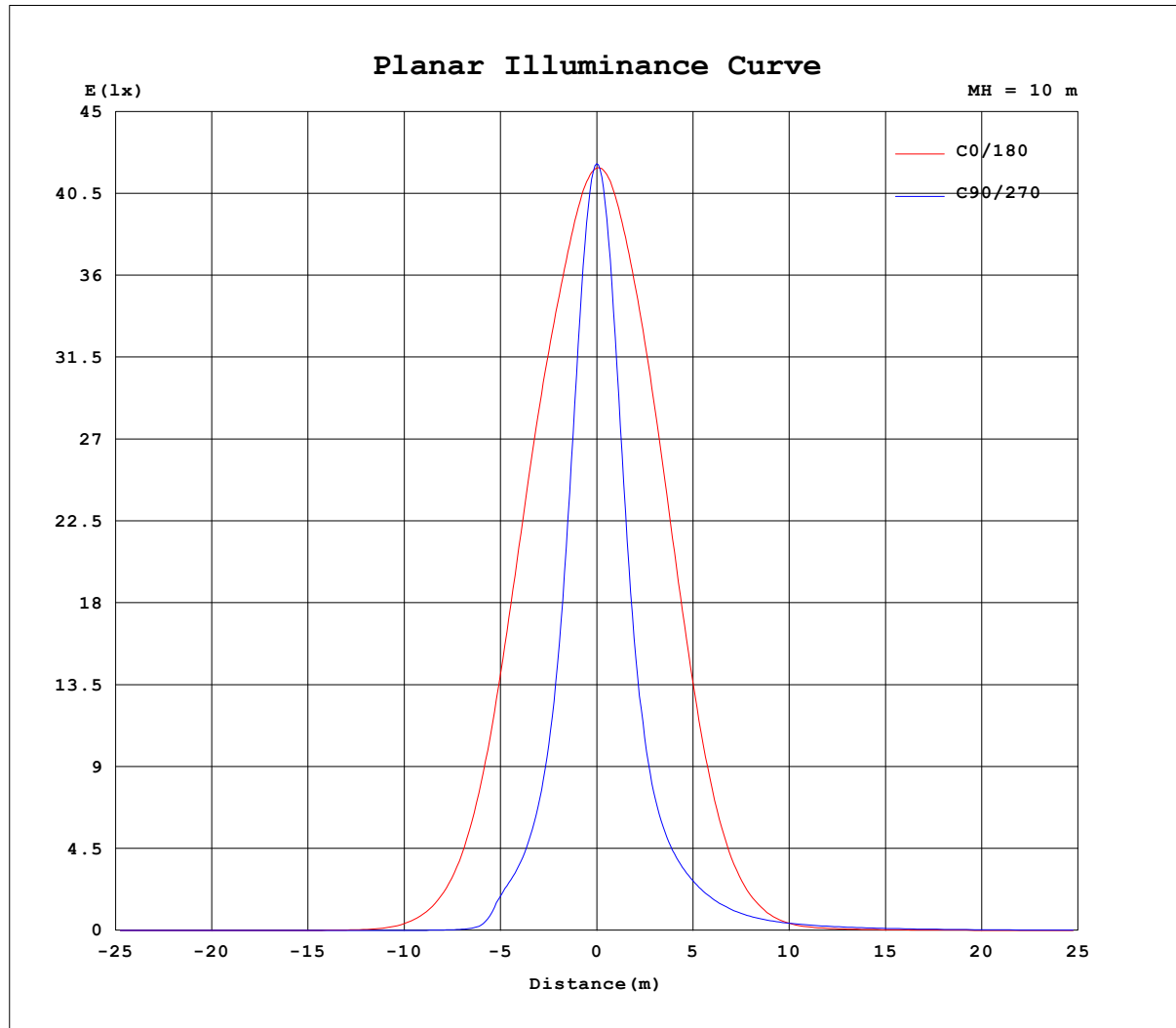
NAME:Cobra-610mm-3000K-2050D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:20x50 DEG	DIM.:610MM	SERIAL No.:IES001724
MFR.:	SUR.:	Shielding Angle:



H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-09-19

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.630m [K=1.0000]
Remarks:

Planar Illuminance Curve

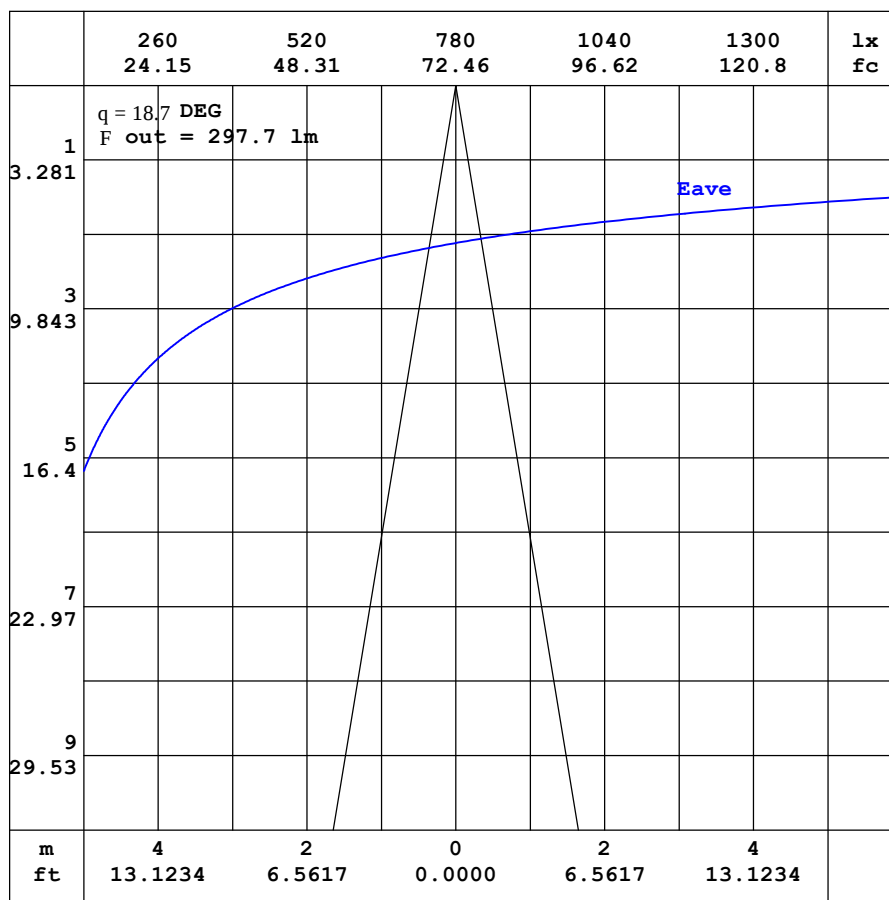


H(θ) Range:-90 - 90DEG
H(θ) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-09-19

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.630m [K=1.0000]
Remarks:

AAI CURVES

NAME:Cobra-610mm-3000K-2050D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:20x50 DEG	DIM.:610MM	SERIAL No.:IES001724
MFR.:	SUR.:	Shielding Angle:



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

H_(b) Range:-90 - 90DEG
H_(b) Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Fan
Test Date:2023-09-19

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:8.630m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:Cobra-610mm-3000K-2050D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:20x50 DEG	DIM.:610MM	SERIAL No.:IES001724
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	5.92	5.38	5.09	5.12	5.36	5.87	6.60	7.50	8.50	9.48	10.4	11.1	11.7	12.0	11.9	11.8	11.6	11.3	11.1
-170	5.92	5.29	4.93	4.87	4.98	5.29	5.74	6.28	6.85	7.40	7.88	8.31	8.66	8.87	8.83	8.94	9.80	10.7	11.4
-160	5.92	5.22	4.78	4.62	4.59	4.69	4.84	5.02	5.17	5.26	5.30	5.31	5.42	6.33	7.27	8.21	9.09	9.69	10.0
-150	5.92	5.16	4.66	4.39	4.22	4.13	4.05	3.91	3.70	3.40	3.13	3.49	3.97	4.54	5.15	5.78	6.36	6.77	6.96
-140	5.92	5.12	4.55	4.18	3.91	3.67	3.42	3.10	2.66	2.47	2.48	2.54	2.66	2.83	3.04	3.35	3.61	3.77	3.82
-130	5.92	5.09	4.47	4.00	3.65	3.32	2.98	2.58	2.38	2.33	2.25	2.16	2.06	1.94	1.91	1.94	1.95	1.94	1.90
-120	5.92	5.09	4.43	3.89	3.44	3.05	2.66	2.38	2.41	2.40	2.36	2.29	2.20	2.10	2.02	1.94	1.86	1.79	1.74
-110	5.92	5.12	4.42	3.82	3.30	2.83	2.39	2.31	2.38	2.43	2.47	2.50	2.52	2.53	2.52	2.52	2.53	2.53	2.55
-100	5.92	5.17	4.46	3.81	3.21	2.65	2.11	2.13	2.20	2.27	2.33	2.39	2.44	2.49	2.54	2.58	2.62	2.66	2.69
-90	5.92	5.24	4.56	3.88	3.19	2.51	1.83	1.84	1.85	1.87	1.88	1.90	1.91	1.92	1.94	1.95	1.97	1.98	1.99
-80	5.92	5.34	4.71	4.02	3.28	2.47	1.60	1.48	1.42	1.37	1.30	1.24	1.18	1.12	1.07	1.02	0.98	0.94	0.91
-70	5.92	5.47	4.94	4.31	3.55	2.66	1.60	1.16	1.05	0.94	0.84	0.75	0.66	0.61	0.57	0.55	0.53	0.52	0.51
-60	5.92	5.63	5.26	4.74	4.05	3.15	1.99	0.91	0.79	0.69	0.61	0.55	0.49	0.46	0.45	0.45	0.44	0.44	0.43
-50	5.92	5.81	5.64	5.33	4.84	4.11	3.04	1.51	0.71	0.66	0.65	0.66	0.64	0.60	0.62	0.64	0.64	0.59	0.52
-40	5.92	6.01	6.09	6.08	5.96	5.63	4.99	3.89	1.91	0.95	1.26	2.18	2.95	4.11	4.34	5.03	5.45	5.50	5.03
-30	5.92	6.21	6.58	6.97	7.39	7.75	8.15	8.19	7.51	6.37	5.47	10.3	19.2	31.2	40.9	36.7	70.0	88.1	77.8
-20	5.92	6.42	7.08	7.94	9.03	10.5	12.4	14.6	17.6	25.6	47.3	80.4	128	278	436	520	511	569	553
-10	5.92	6.61	7.58	8.91	10.7	13.4	17.2	22.4	32.5	66.4	172	375	701	1054	1351	1653	1882	1890	1905
0	5.92	6.78	8.01	9.77	12.3	16.1	21.8	30.1	47.4	113	323	725	1372	2152	2891	3455	3844	4113	4190
10	5.92	6.85	8.25	10.2	12.9	16.9	23.1	32.7	51.3	102	235	462	769	1096	1383	1699	1962	1993	1946
20	5.92	6.88	8.38	10.4	13.0	16.9	22.7	31.8	47.6	79.4	143	234	313	422	537	606	602	646	620
30	5.92	6.86	8.40	10.3	12.8	16.2	21.1	28.3	39.7	58.8	90.8	132	175	215	247	269	295	306	301
40	5.92	6.80	8.29	10.1	12.3	15.1	18.8	23.8	30.9	42.1	58.4	78.3	99.9	119	136	145	152	154	151
50	5.92	6.68	8.04	9.74	11.6	13.9	16.5	19.8	24.4	31.1	39.7	50.2	62.7	75.0	83.2	88.0	90.8	91.7	91.2
60	5.92	6.49	7.65	9.13	10.8	12.5	14.5	16.7	19.5	23.1	27.6	32.6	38.4	44.2	48.3	52.4	55.7	58.2	59.8
70	5.92	6.33	7.15	8.25	9.57	11.1	12.6	13.8	15.1	16.7	18.5	20.7	23.2	25.5	27.2	28.7	30.0	31.1	31.8
80	5.92	6.09	6.51	7.03	7.91	8.80	9.76	10.5	11.1	11.7	12.4	13.1	13.8	14.3	14.7	15.1	15.4	15.7	15.9
90	5.92	5.96	5.99	6.02	6.05	6.08	6.12	6.17	6.23	6.28	6.34	6.39	6.44	6.42	6.39	6.37	6.34	6.32	6.29
100	5.92	5.85	5.76	5.66	5.58	5.49	5.41	5.33	5.26	5.19	5.12	5.06	5.00	4.94	4.90	4.87	4.84	4.82	4.81
110	5.92	5.73	5.55	5.39	5.23	5.09	4.97	4.87	4.77	4.67	4.58	4.48	4.41	4.37	4.34	4.30	4.26	4.22	4.19
120	5.92	5.63	5.39	5.18	5.02	4.91	4.83	4.78	4.76	4.76	4.77	4.77	4.77	4.78	4.83	4.84	4.82	4.76	4.66
130	5.92	5.56	5.27	5.06	4.96	4.91	4.94	5.08	5.27	5.49	5.73	6.02	6.33	6.67	7.04	7.39	7.71	7.92	8.00
140	5.92	5.49	5.18	5.02	4.98	5.05	5.28	5.65	6.13	6.67	7.26	7.92	8.63	9.34	10.0	10.7	11.3	11.7	11.9
150	5.92	5.45	5.13	5.03	5.06	5.29	5.71	6.31	7.04	7.88	8.79	9.71	10.6	11.5	12.2	12.8	13.2	13.4	13.5
160	5.92	5.41	5.10	5.05	5.17	5.54	6.13	6.90	7.82	8.82	9.86	10.9	11.8	12.6	13.1	13.5	13.9	14.0	14.2
170	5.92	5.39	5.09	5.08	5.28	5.75	6.44	7.32	8.32	9.36	10.4	11.3	12.1	12.6	12.7	12.6	12.5	12.6	13.3
180	5.92	5.38	5.09	5.12	5.36	5.87	6.60	7.50	8.50	9.48	10.4	11.1	11.7	12.0	11.9	11.8	11.6	11.3	11.2

H_(b) Range:-90 - 90DEGH_(b) Interval: 0.5DEG

Test Speed: LOW

Temperature:25.3DEG

Operators:Fan

Test Date:2023-09-19

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351

Humidity:65.0%

Test Distance:8.630m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:Cobra-610mm-3000K-2050D-Rev1	TYPE:3000K	WEIGHT:
SPEC.:20x50 DEG	DIM.:610MM	SERIAL No.:IES001724
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	10.1	9.37	8.62	7.86	7.07	6.23	5.36	4.58	3.89	3.35	2.91	2.61	2.43	2.34	2.29	2.22	2.09	1.91	
-170	11.2	10.4	9.61	8.62	7.53	6.43	5.41	4.52	3.79	3.24	2.84	2.58	2.43	2.34	2.30	2.22	2.09	1.91	
-160	9.86	9.42	8.63	7.72	6.76	5.84	4.89	4.09	3.47	3.01	2.70	2.51	2.41	2.35	2.30	2.22	2.08	1.91	
-150	6.93	6.67	6.23	5.63	4.98	4.37	3.83	3.42	3.02	2.74	2.56	2.45	2.39	2.35	2.29	2.20	2.08	1.91	
-140	3.88	3.82	3.66	3.41	3.18	2.96	2.79	2.67	2.60	2.53	2.46	2.42	2.39	2.35	2.28	2.19	2.06	1.91	
-130	2.00	2.06	2.09	2.11	2.13	2.21	2.29	2.35	2.40	2.44	2.43	2.41	2.38	2.33	2.26	2.16	2.04	1.91	
-120	1.81	1.90	1.99	2.09	2.18	2.28	2.36	2.43	2.46	2.46	2.44	2.40	2.36	2.30	2.21	2.12	2.02	1.91	
-110	2.55	2.56	2.57	2.58	2.60	2.61	2.58	2.54	2.51	2.46	2.41	2.35	2.29	2.22	2.14	2.07	1.99	1.91	
-100	2.67	2.64	2.61	2.58	2.54	2.50	2.45	2.40	2.35	2.30	2.25	2.20	2.15	2.11	2.06	2.01	1.96	1.91	
-90	1.98	1.97	1.95	1.94	1.93	1.91	1.92	1.93	1.94	1.95	1.96	1.97	1.96	1.95	1.94	1.93	1.92	1.91	
-80	0.94	0.97	1.01	1.05	1.10	1.15	1.24	1.33	1.42	1.51	1.59	1.68	1.73	1.79	1.82	1.85	1.89	1.91	
-70	0.52	0.53	0.54	0.56	0.59	0.64	0.75	0.86	0.98	1.12	1.26	1.40	1.53	1.63	1.73	1.80	1.85	1.91	
-60	0.44	0.44	0.45	0.45	0.46	0.50	0.55	0.62	0.72	0.84	0.99	1.19	1.37	1.52	1.64	1.75	1.83	1.91	
-50	0.58	0.62	0.63	0.60	0.58	0.62	0.64	0.64	0.68	0.73	0.88	1.10	1.29	1.45	1.59	1.70	1.81	1.91	
-40	5.32	5.13	4.59	3.70	3.23	2.41	1.70	1.10	0.91	0.96	1.19	1.25	1.32	1.45	1.57	1.67	1.79	1.91	
-30	76.2	51.0	30.2	32.9	26.1	16.4	8.21	4.37	3.21	2.55	2.09	1.76	1.54	1.50	1.58	1.67	1.78	1.91	
-20	548	478	472	376	225	95.3	77.2	45.3	17.9	6.84	3.85	2.60	1.91	1.62	1.62	1.67	1.78	1.91	
-10	1792	1773	1530	1266	1016	695	378	177	59.1	15.9	6.38	3.64	2.37	1.78	1.68	1.68	1.78	1.91	
0	4051	3759	3407	2904	2207	1434	768	335	109	25.4	8.75	4.59	2.76	1.93	1.74	1.70	1.78	1.91	
10	1972	1977	1762	1432	1121	789	468	233	89.4	31.8	15.2	8.80	5.53	3.74	2.84	2.29	1.98	1.91	
20	630	571	589	525	406	291	215	127	63.1	32.4	18.9	11.8	7.73	5.31	3.84	2.84	2.16	1.91	
30	299	281	251	231	199	157	114	76.4	47.8	30.3	19.8	13.4	9.24	6.52	4.66	3.30	2.29	1.91	
40	151	148	140	129	111	90.4	69.4	51.0	36.9	26.5	19.1	13.8	10.0	7.30	5.25	3.63	2.38	1.91	
50	90.5	88.1	83.8	77.5	68.5	56.0	44.8	35.4	27.9	22.1	17.6	13.5	10.3	7.67	5.56	3.80	2.45	1.91	
60	57.1	53.6	49.5	44.8	39.8	34.4	29.3	24.8	21.0	17.9	15.4	12.6	9.94	7.60	5.54	3.76	2.48	1.91	
70	30.5	28.9	27.1	25.0	22.9	20.7	18.5	16.7	15.2	13.9	12.7	11.3	9.03	6.95	5.04	3.43	2.49	1.91	
80	15.4	14.8	14.2	13.5	12.8	12.1	11.6	11.1	10.5	9.94	9.30	8.52	6.63	5.22	4.08	3.21	2.52	1.91	
90	6.23	6.17	6.11	6.06	6.00	5.94	5.89	5.83	5.78	5.73	5.68	5.63	5.01	4.39	3.77	3.15	2.53	1.91	
100	4.78	4.76	4.74	4.73	4.71	4.73	4.77	4.81	4.86	4.90	4.95	4.96	4.54	4.09	3.61	3.09	2.53	1.91	
110	4.22	4.25	4.28	4.30	4.32	4.34	4.39	4.44	4.50	4.56	4.62	4.55	4.20	3.84	3.45	3.01	2.51	1.91	
120	4.80	4.90	4.96	4.97	4.93	4.90	4.86	4.82	4.77	4.72	4.66	4.36	3.99	3.65	3.31	2.93	2.48	1.91	
130	8.00	7.86	7.62	7.34	7.00	6.64	6.28	5.95	5.65	5.38	4.93	4.31	3.83	3.48	3.16	2.83	2.43	1.91	
140	11.8	11.4	11.0	10.4	9.68	8.96	8.24	7.55	6.93	6.11	5.09	4.29	3.72	3.32	3.01	2.73	2.38	1.91	
150	13.5	13.3	13.0	12.5	11.7	10.9	9.99	9.07	7.58	6.17	5.03	4.16	3.55	3.13	2.85	2.61	2.32	1.91	
160	14.1	14.1	13.8	13.3	12.8	12.0	10.3	8.57	7.03	5.71	4.64	3.84	3.28	2.91	2.68	2.49	2.25	1.91	
170	13.2	13.1	13.1	12.4	11.1	9.70	8.28	6.93	5.73	4.72	3.91	3.30	2.90	2.64	2.49	2.36	2.17	1.91	
180	10.1	9.37	8.62	7.86	7.07	6.23	5.36	4.58	3.89	3.35	2.91	2.61	2.43	2.34	2.29	2.22	2.09	1.91	

H_b Range:-90 - 90DEGH_b Interval: 0.5DEG

Test Speed: LOW

Temperature:25.3DEG

Operators:Fan

Test Date:2023-09-19

V(B) Range:-180 - 180DEG

V(B) Interval: 0.5DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351

Humidity:65.0%

Test Distance:8.630m [K=1.0000]

Remarks: