

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

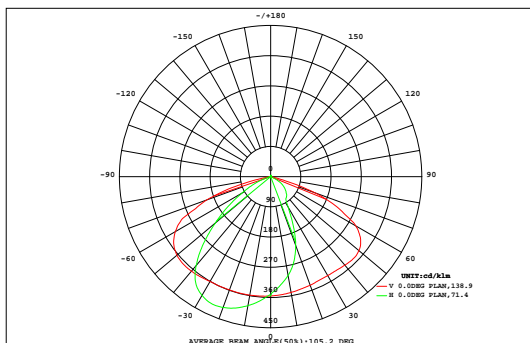
Maximum Intensity (Luminaire orientation as tested.)		463.0 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	123.6V x 153.0H 71.4V x 138.9H 30.8V x 117.3H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	1000.0 lumens per klm. 956.0 lumens per klm. 773.3 lumens per klm. 126.1 lumens per klm.
	Upward LOR Downward LOR	1.3 % 98.7 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

βH() Range:-90 - 90DEG
βH() Interval: 0.5DEG
Test Speed: LOW
Temperature:25.3DEG
Operators:Zhong ql
Test Date:24 August 2020

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.640m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.3600A P:81.29W PF:0.9800 Lamp Flux:9090.11x1 lm		
NAME: LED STREET LIGHT 80W	TYPE:Pharos	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.15*0.24	Shielding Angle:



DATA OF LAMP		Eff:111.82lm/W	
MODEL		Imax(cd/klm)	463.0
NOMINAL POWER(W)	80	AVAILABILITY(%)	95.9
RATED VOLTAGE(V)	230	Avai. FLUX(lm/klm)	959.0
NOMINAL FLUX(lm)	9090.11	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm/klm)	1000
TEST VOLTAGE(V)	230	θ @50%(H,V)	139,71DEG

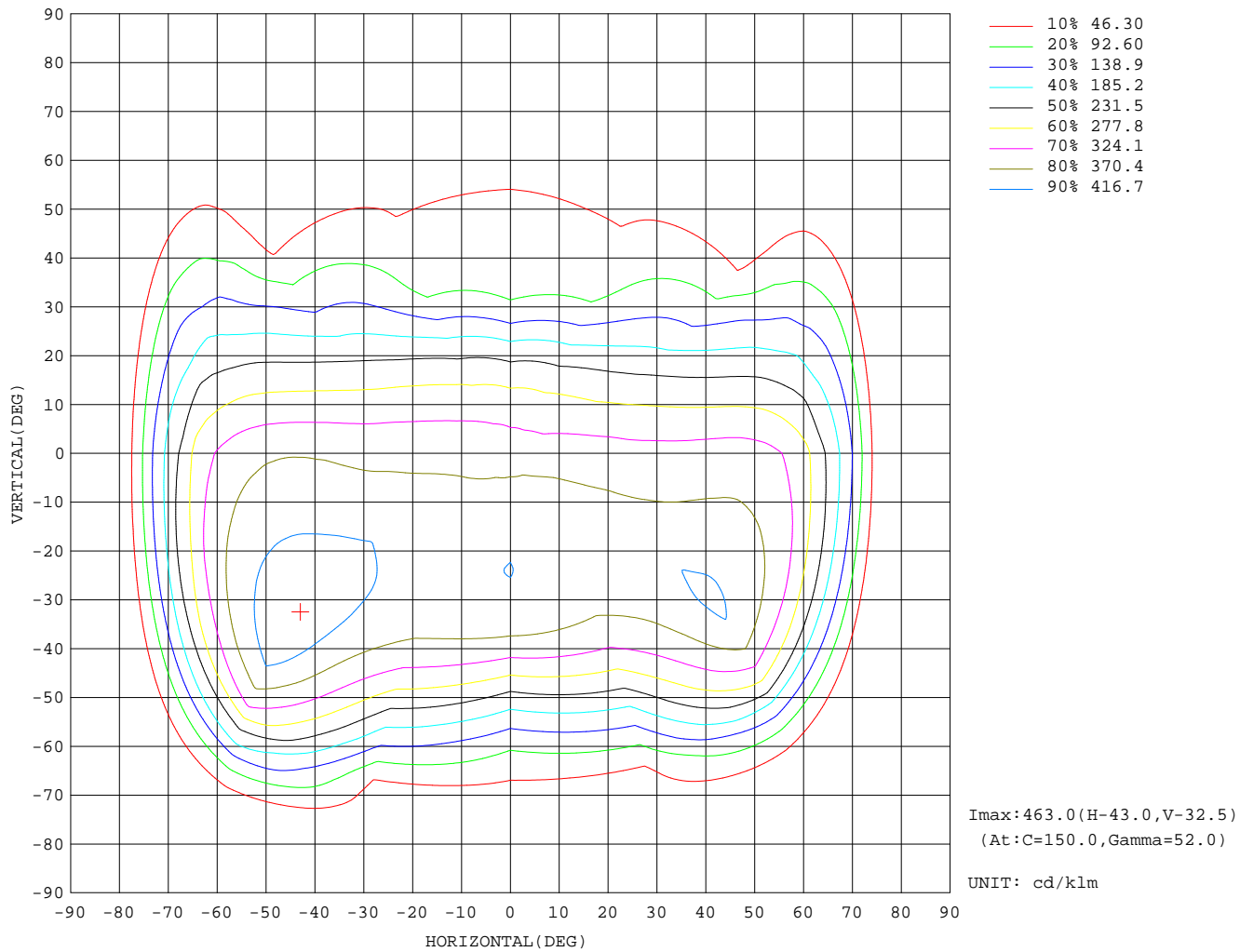
VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm/klm		Φ t	Φ a
	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.13	0.00
90	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.13	0.00
80	0.00	0.01	0.02	0.03	0.05	0.06	0.07	0.06	0.03	0.02	0.04	0.04	0.03	0.02	0.01	0.01	0.01	0.00	0.50	0.00
70	0.00	0.03	0.10	0.13	0.22	0.35	0.45	0.45	0.38	0.35	0.36	0.33	0.23	0.13	0.06	0.03	0.01	0.00	3.61	0.00
60	0.01	0.06	0.35	0.36	0.50	0.79	0.97	1.14	1.28	1.26	1.07	0.83	0.60	0.36	0.22	0.13	0.02	0.00	9.96	1.38
50	0.01	0.16	0.82	0.91	0.96	1.58	1.63	1.71	1.93	1.90	1.63	1.45	1.26	0.69	0.68	0.44	0.04	0.00	17.8	14.7
40	0.01	0.32	1.39	1.92	2.07	2.79	2.80	2.46	2.62	2.55	2.32	2.49	2.33	1.60	1.55	0.95	0.10	0.00	30.3	29.9
30	0.01	0.51	2.03	3.16	3.83	4.46	4.89	4.99	5.12	4.94	4.56	4.38	3.84	3.32	2.71	1.53	0.20	0.00	54.5	54.3
20	0.01	0.68	2.69	4.40	5.58	6.51	7.29	7.89	8.11	7.90	7.33	6.64	5.88	5.08	3.95	2.12	0.31	0.00	82.4	82.2
10	0.02	0.83	3.29	5.56	7.15	8.26	9.13	9.77	10.0	9.76	9.29	8.55	7.68	6.67	5.12	2.66	0.40	0.01	104	104
0	0.02	0.88	3.65	6.33	8.20	9.43	10.3	11.0	11.2	11.2	10.7	9.86	8.87	7.71	5.82	2.91	0.42	0.01	119	118
-10	0.02	0.84	3.72	6.68	8.81	10.2	11.1	11.8	12.2	12.2	11.6	10.7	9.64	8.25	6.01	2.82	0.36	0.01	127	127
-20	0.01	0.72	3.59	6.88	9.42	10.9	11.4	12.0	12.5	12.4	11.7	10.8	10.2	8.69	5.95	2.50	0.26	0.00	130	130
-30	0.01	0.53	3.20	6.79	9.59	10.4	10.8	11.3	11.7	11.5	10.7	9.96	9.48	8.52	5.43	1.89	0.15	0.00	122	122
-40	0.01	0.31	2.45	6.14	8.38	8.78	8.81	9.05	8.92	8.65	8.23	7.58	7.51	6.80	4.12	1.09	0.08	0.00	96.9	96.6
-50	0.01	0.15	1.40	4.35	6.01	6.13	5.63	5.67	5.19	4.88	4.77	4.29	4.56	3.91	2.04	0.42	0.04	0.00	59.5	59.0
-60	0.01	0.06	0.48	1.85	2.93	2.79	2.14	2.32	2.11	1.90	1.76	1.41	1.57	1.26	0.56	0.13	0.02	0.00	23.3	19.8
-70	0.00	0.03	0.13	0.37	0.68	0.76	0.54	0.45	0.31	0.28	0.38	0.44	0.41	0.28	0.13	0.04	0.01	0.00	5.24	0.56
-80	0.00	0.01	0.03	0.07	0.11	0.15	0.16	0.14	0.09	0.08	0.11	0.12	0.09	0.05	0.02	0.01	0.00	0.00	1.26	0.00
-90	0.00	0.01	0.03	0.07	0.11	0.15	0.16	0.14	0.09	0.08	0.11	0.12	0.09	0.05	0.02	0.01	0.00	0.00	1.26	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.16	6.15	29.4	55.9	74.5	84.3	88.1	92.1	93.8	91.8	86.5	79.9	74.2	63.4	44.4	19.7	2.44	0.06	987	---
Φ a	0.00	5.00	28.4	54.7	72.7	82.3	85.5	89.9	91.9	90.0	84.2	77.3	72.1	61.5	43.2	18.7	1.46	0.00	---	959

one-half-peak spread: U:26.7,D:21.1 , L:26.7,R:21.1 NEMA Beam Type: Type 7 x 6 (H x V)

βH() Range:-90 - 90DEG
 βH() Interval: 0.5DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:Zhong ql
 Test Date:24 August 2020

V(B) Range:-180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.640m [K=1.0000]
 Remarks:None

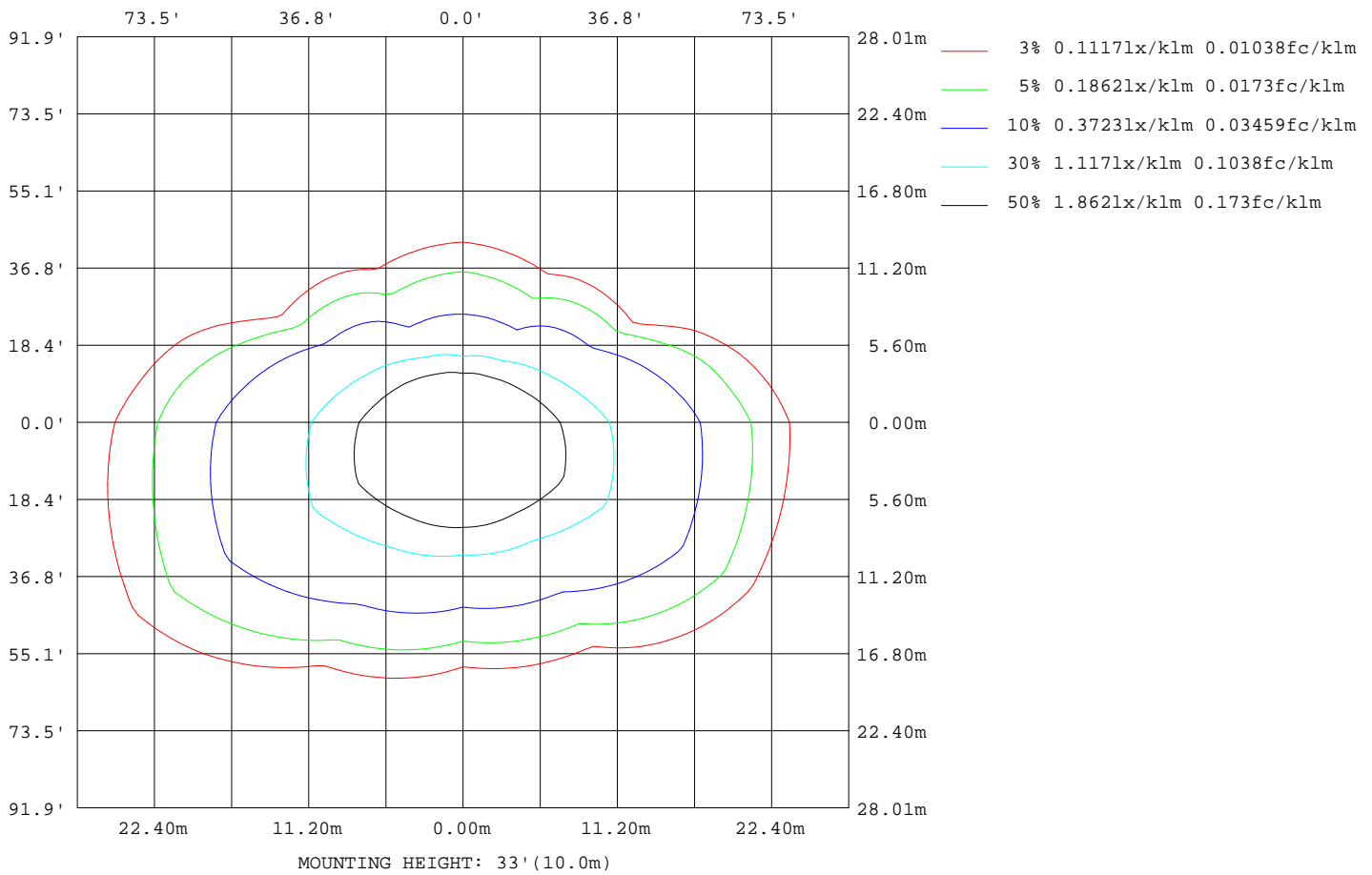
ISOCANDELA DIAGRAM



β_H () Range: -90 - 90DEG
 β_H () Interval: 0.5DEG
 Test Speed: LOW
 Temperature: 25.3DEG
 Operators: Zhong ql
 Test Date: 24 August 2020

V(B) Range: -180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 7.640m [K=1.0000]
 Remarks: None

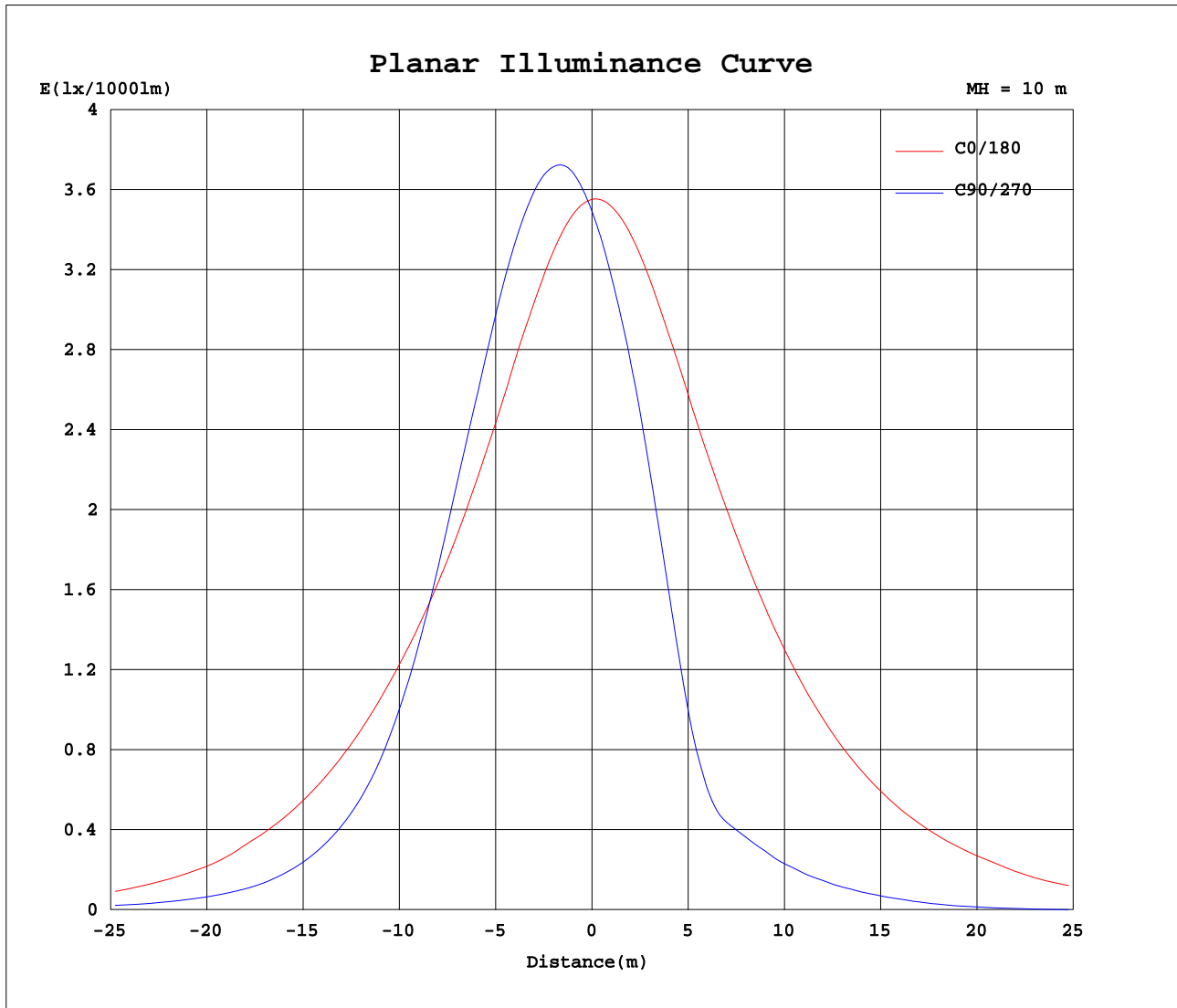
ISOLUX DIAGRAM



β H() Range:-90 - 90DEG
 β H() Interval: 0.5DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:Zhong ql
 Test Date:24 August 2020

V(B) Range:-180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.640m [K=1.0000]
 Remarks:None

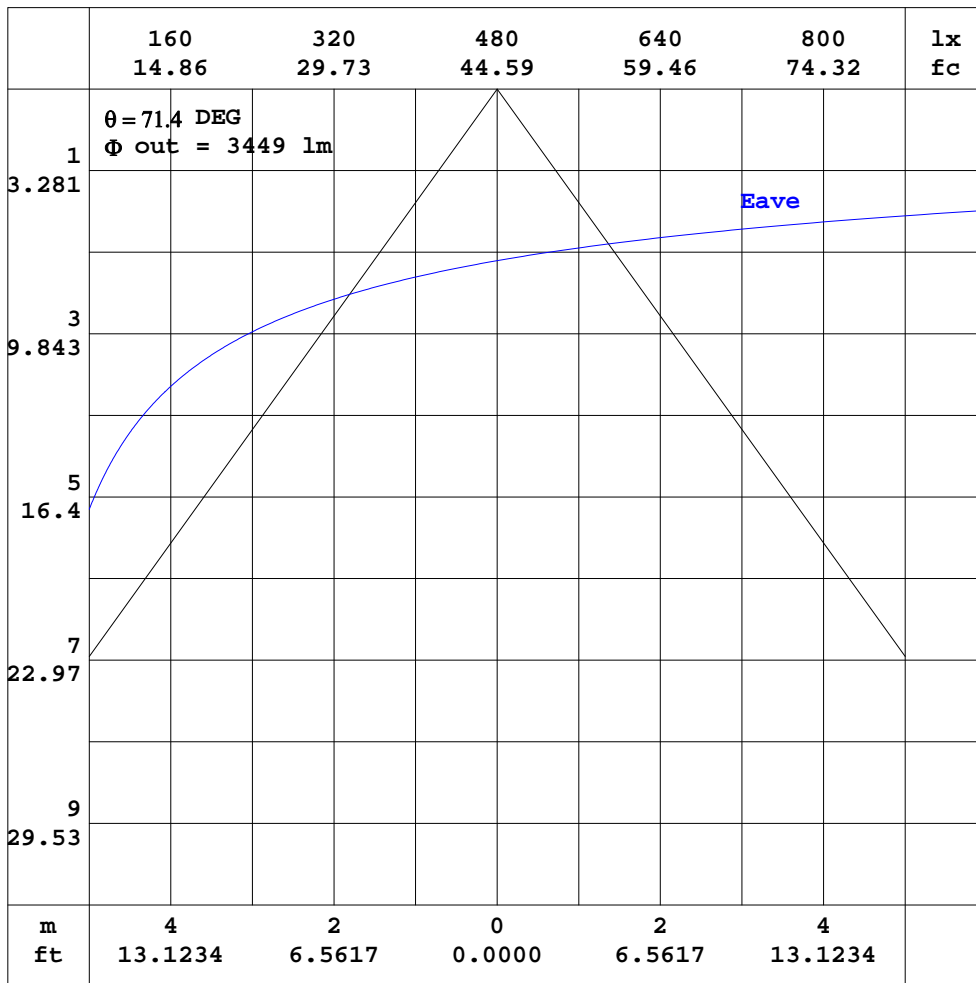
Planar Illuminance Curve



β_H () Range:-90 - 90DEG
 β_H () Interval: 0.5DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:Zhong ql
 Test Date:24 August 2020

V(B) Range:-180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.640m [K=1.0000]
 Remarks:None

AAI CURVES



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

$\beta H()$ Range: -90 - 90DEG
 $\beta H()$ Interval: 0.5DEG
 Test Speed: LOW
 Temperature: 25.3DEG
 Operators: Zhong ql
 Test Date: 24 August 2020

V(B) Range: -180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.351
 Humidity: 65.0%
 Test Distance: 7.640m [K=1.0000]
 Remarks: None

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1

UNIT: cd/klm

H(DEG) V(DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	0.75	0.86	1.24	1.64	2.02	2.36	2.67	2.97	3.27	3.55	3.77	3.94	4.06	4.16	4.24	4.33	4.44	4.55	4.33
-170	0.75	0.84	1.18	1.52	1.83	2.11	2.36	2.59	2.80	2.98	3.11	3.18	3.22	3.24	3.24	3.26	3.39	3.48	3.59
-160	0.75	0.81	1.09	1.37	1.62	1.82	2.01	2.16	2.28	2.37	2.41	2.40	2.37	2.47	2.56	2.61	2.66	2.77	2.82
-150	0.75	0.78	1.00	1.21	1.39	1.52	1.62	1.71	1.76	1.77	1.76	1.82	1.86	1.91	1.93	1.95	2.02	2.06	2.06
-140	0.75	0.73	0.89	1.03	1.14	1.21	1.24	1.26	1.25	1.28	1.32	1.33	1.33	1.31	1.28	1.34	1.37	1.37	1.33
-130	0.75	0.69	0.79	0.86	0.91	0.92	0.89	0.84	0.85	0.89	0.91	0.89	0.85	0.79	0.80	0.83	0.84	0.83	0.81
-120	0.75	0.65	0.70	0.71	0.70	0.66	0.59	0.53	0.56	0.57	0.57	0.54	0.50	0.46	0.49	0.51	0.52	0.52	0.52
-110	0.75	0.64	0.62	0.60	0.55	0.47	0.37	0.34	0.35	0.35	0.34	0.33	0.30	0.29	0.30	0.31	0.32	0.32	0.32
-100	0.75	0.68	0.61	0.54	0.46	0.40	0.31	0.30	0.29	0.28	0.27	0.26	0.24	0.23	0.22	0.22	0.21	0.21	0.20
-90	0.75	0.79	0.82	0.86	0.90	0.94	0.98	1.07	1.15	1.24	1.33	1.42	1.50	1.41	1.31	1.22	1.13	1.03	0.94
-80	0.75	0.93	1.41	2.26	3.47	5.03	6.95	8.48	9.82	11.0	11.9	12.6	12.7	11.2	9.43	7.36	5.10	2.71	0.26
-70	0.75	1.19	2.62	5.07	8.76	14.8	30.0	44.0	60.9	72.0	72.6	62.0	39.6	31.6	32.3	32.7	32.5	31.5	29.5
-60	0.75	1.58	4.22	9.14	24.0	58.4	120	186	203	212	201	181	155	138	139	135	126	114	99.6
-50	0.75	2.03	6.04	18.9	63.5	147	231	322	351	343	327	307	284	263	258	254	245	233	216
-40	0.75	2.44	8.16	38.2	121	218	310	379	428	432	411	391	376	364	357	356	355	352	345
-30	0.75	2.80	10.9	61.5	168	267	347	397	431	451	456	434	417	407	402	403	406	408	408
-20	0.75	3.04	13.8	84.7	192	283	353	392	414	425	428	428	423	411	408	409	411	412	414
-10	0.75	3.15	15.4	96.8	204	289	345	375	391	396	396	393	390	389	389	388	387	389	390
0	0.75	3.10	15.3	98.2	201	281	328	352	364	368	367	364	361	360	359	359	358	357	355
10	0.75	2.97	13.8	85.7	173	235	270	287	295	297	298	298	299	301	303	305	305	303	299
20	0.75	2.71	11.0	66.2	137	182	211	217	221	220	220	221	223	223	225	226	226	227	218
30	0.75	2.36	8.07	41.8	101	134	151	144	140	135	132	143	143	134	121	112	118	115	104
40	0.75	1.97	5.53	23.5	61.2	87.1	90.3	80.8	57.5	62.4	79.6	86.6	85.5	77.6	63.1	67.1	70.4	72.9	74.3
50	0.75	1.58	3.70	9.01	26.6	45.8	47.1	31.6	25.0	31.0	37.4	43.9	47.2	44.8	46.1	49.4	52.2	54.4	55.9
60	0.75	1.21	2.39	4.11	7.69	14.9	16.7	10.5	13.1	16.2	19.4	22.5	25.1	26.4	26.4	27.0	27.6	28.0	27.7
70	0.75	0.92	1.43	2.02	2.58	3.19	3.42	3.71	4.37	4.99	5.58	6.17	6.72	6.92	6.50	5.57	4.12	2.29	0.24
80	0.75	0.76	0.85	0.95	0.97	0.90	0.73	0.76	0.77	0.74	0.66	0.51	0.29	0.28	0.28	0.26	0.23	0.19	0.14
90	0.75	0.73	0.70	0.68	0.66	0.64	0.62	0.57	0.51	0.46	0.40	0.35	0.29	0.29	0.28	0.28	0.27	0.27	0.26
100	0.75	0.68	0.69	0.75	0.83	0.90	0.98	0.96	0.92	0.87	0.80	0.73	0.66	0.65	0.65	0.65	0.63	0.62	0.60
110	0.75	0.67	0.79	0.93	1.07	1.23	1.38	1.43	1.42	1.40	1.37	1.33	1.27	1.28	1.29	1.30	1.29	1.27	1.24
120	0.75	0.72	0.90	1.10	1.32	1.54	1.75	1.91	1.96	2.00	2.02	2.04	2.04	2.06	2.12	2.15	2.17	2.16	2.12
130	0.75	0.76	1.00	1.27	1.54	1.81	2.07	2.33	2.50	2.57	2.65	2.73	2.80	2.86	2.94	3.00	3.04	3.05	3.04
140	0.75	0.80	1.09	1.41	1.73	2.04	2.34	2.63	2.87	3.02	3.14	3.27	3.39	3.49	3.56	3.67	3.76	3.81	3.84
150	0.75	0.83	1.16	1.52	1.88	2.21	2.53	2.81	3.06	3.31	3.57	3.76	3.92	4.04	4.12	4.20	4.30	4.37	4.40
160	0.75	0.85	1.21	1.60	1.97	2.32	2.64	2.93	3.21	3.51	3.81	4.08	4.31	4.41	4.48	4.56	4.63	4.69	4.73
170	0.75	0.86	1.24	1.64	2.02	2.37	2.69	2.99	3.28	3.59	3.86	4.08	4.26	4.40	4.52	4.60	4.65	4.70	4.72
180	0.75	0.86	1.24	1.64	2.02	2.36	2.67	2.97	3.27	3.55	3.77	3.94	4.06	4.16	4.24	4.33	4.44	4.55	4.33

βH() Range:-90 - 90DEG
 βH() Interval: 0.5DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:Zhong ql
 Test Date:24 August 2020

V(B) Range:-180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.640m [K=1.0000]
 Remarks:None

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2

UNIT: cd/klm

H(DEG) V(DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	4.59	4.51	4.42	4.34	4.28	4.21	4.14	4.03	3.85	3.62	3.33	3.02	2.69	2.32	1.94	1.53	1.12	0.76	
-170	3.71	3.78	3.77	3.72	3.67	3.62	3.56	3.47	3.34	3.16	2.94	2.70	2.43	2.13	1.81	1.46	1.09	0.76	
-160	2.92	2.93	2.97	2.99	2.98	2.93	2.90	2.84	2.76	2.64	2.50	2.32	2.13	1.90	1.65	1.36	1.05	0.76	
-150	2.14	2.17	2.15	2.20	2.25	2.26	2.24	2.18	2.14	2.09	2.02	1.93	1.81	1.66	1.48	1.26	1.01	0.76	
-140	1.41	1.46	1.47	1.44	1.52	1.59	1.62	1.62	1.58	1.54	1.54	1.52	1.47	1.40	1.29	1.13	0.96	0.76	
-130	0.87	0.90	0.92	0.91	0.92	1.01	1.08	1.12	1.12	1.10	1.09	1.14	1.16	1.15	1.10	1.01	0.90	0.76	
-120	0.54	0.55	0.56	0.55	0.54	0.59	0.67	0.72	0.75	0.75	0.74	0.80	0.87	0.91	0.92	0.89	0.84	0.76	
-110	0.33	0.33	0.33	0.33	0.33	0.34	0.40	0.45	0.48	0.50	0.50	0.52	0.62	0.70	0.76	0.79	0.79	0.76	
-100	0.21	0.21	0.22	0.23	0.23	0.24	0.27	0.30	0.32	0.33	0.34	0.35	0.46	0.56	0.64	0.70	0.74	0.76	
-90	0.88	0.82	0.77	0.71	0.65	0.59	0.55	0.51	0.47	0.43	0.39	0.34	0.41	0.48	0.55	0.62	0.69	0.76	
-80	2.20	4.09	5.87	7.49	8.89	9.86	8.68	7.39	6.01	4.60	3.29	2.19	1.50	0.98	0.68	0.62	0.65	0.76	
-70	29.3	28.4	27.1	26.0	25.7	27.9	30.1	28.0	24.5	18.2	13.2	9.21	5.63	3.13	1.53	0.83	0.63	0.76	
-60	105	107	106	101	92.3	104	117	117	110	90.4	61.2	32.1	14.6	7.31	3.35	1.23	0.64	0.76	
-50	222	225	223	216	212	231	249	260	259	237	175	107	46.2	15.5	5.85	1.97	0.72	0.76	
-40	345	340	333	322	327	336	349	363	372	350	284	195	111	36.1	9.46	2.86	0.80	0.76	
-30	403	396	387	383	384	390	403	423	412	382	334	261	168	73.9	14.7	3.66	0.84	0.76	
-20	410	406	400	395	395	402	404	402	397	381	348	289	208	109	21.9	4.28	0.86	0.76	
-10	389	385	382	378	373	371	371	372	373	364	343	301	224	131	28.0	4.58	0.86	0.76	
0	353	350	347	344	341	340	341	344	347	343	327	292	223	138	29.9	4.47	0.83	0.76	
10	295	291	284	281	277	275	274	274	275	273	262	239	187	116	25.2	4.09	0.81	0.76	
20	220	212	208	204	201	197	195	194	197	198	192	176	144	85.8	17.3	3.42	0.78	0.76	
30	110	110	103	110	120	125	120	107	112	116	123	119	98.8	51.0	10.0	2.61	0.75	0.76	
40	72.0	68.6	64.2	58.9	68.9	73.3	71.4	61.0	42.9	43.9	62.8	68.8	55.0	20.6	5.63	1.84	0.72	0.76	
50	53.6	50.5	46.7	42.8	40.0	38.7	33.7	28.0	22.6	17.8	22.3	29.2	18.1	6.89	2.81	1.17	0.68	0.76	
60	27.0	25.6	24.0	22.1	20.6	18.6	16.4	13.7	10.7	7.99	5.78	6.07	4.24	2.43	1.40	0.76	0.65	0.76	
70	1.59	2.78	3.71	4.27	4.43	4.13	3.54	2.99	2.44	1.96	1.53	1.26	1.15	0.93	0.72	0.69	0.67	0.76	
80	0.16	0.17	0.18	0.19	0.19	0.21	0.29	0.35	0.39	0.45	0.52	0.59	0.65	0.69	0.69	0.70	0.73	0.76	
90	0.29	0.31	0.34	0.36	0.39	0.42	0.50	0.59	0.68	0.77	0.86	0.95	0.91	0.88	0.85	0.82	0.79	0.76	
100	0.67	0.74	0.80	0.85	0.89	0.94	1.03	1.12	1.21	1.28	1.35	1.39	1.27	1.16	1.05	0.95	0.85	0.76	
110	1.34	1.43	1.51	1.57	1.61	1.66	1.72	1.77	1.81	1.85	1.87	1.82	1.63	1.45	1.26	1.08	0.91	0.76	
120	2.23	2.32	2.39	2.43	2.45	2.46	2.46	2.45	2.43	2.40	2.36	2.19	1.95	1.70	1.45	1.20	0.96	0.76	
130	3.16	3.24	3.30	3.32	3.31	3.25	3.19	3.11	3.03	2.94	2.77	2.50	2.21	1.92	1.62	1.31	1.02	0.76	
140	3.94	4.01	4.05	4.06	4.01	3.93	3.81	3.68	3.54	3.36	3.06	2.75	2.43	2.10	1.76	1.40	1.06	0.76	
150	4.47	4.52	4.55	4.53	4.49	4.42	4.32	4.17	3.87	3.57	3.26	2.93	2.59	2.22	1.86	1.47	1.09	0.76	
160	4.74	4.76	4.73	4.70	4.68	4.66	4.52	4.29	4.00	3.68	3.37	3.04	2.68	2.31	1.92	1.52	1.11	0.76	
170	4.68	4.62	4.60	4.59	4.55	4.47	4.37	4.21	3.99	3.70	3.39	3.06	2.71	2.34	1.95	1.54	1.12	0.76	
180	4.59	4.51	4.42	4.34	4.28	4.21	4.14	4.03	3.85	3.62	3.33	3.02	2.69	2.32	1.94	1.53	1.12	0.76	

β H() Range:-90 - 90DEG
 β H() Interval: 0.5DEG
 Test Speed: LOW
 Temperature:25.3DEG
 Operators:Zhong ql
 Test Date:24 August 2020

V(B) Range:-180 - 180DEG
 V(B) Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.640m [K=1.0000]
 Remarks:None