

## Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)		519.7 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I <sub>max</sub> At 50% of I <sub>max</sub> At 90% of I <sub>max</sub>	138.5V x 140.4H 82.3V x 83.3H 33.6V x 34.4H
Beam Flux	Total To 10% of I <sub>max</sub> To 50% of I <sub>max</sub> To 90% of I <sub>max</sub>	1000.0 lumens per klm. 940.6 lumens per klm. 594.2 lumens per klm. 130.9 lumens per klm.
	Upward LOR Downward LOR	1.3 % 98.7 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

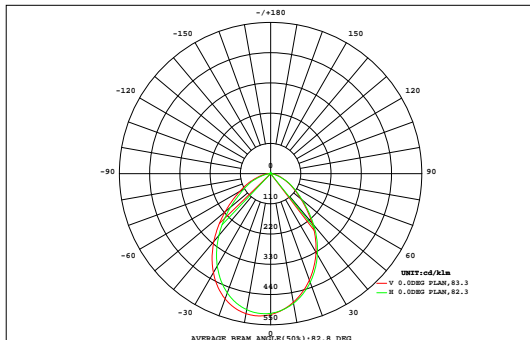
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H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: LOW  
Temperature:25.3DEG  
Operators:  
Test Date:21 August 2020

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:0.5430A P:122.2W PF:0.9175 Lamp Flux:15224.3x1 lm		
NAME:01GS-370RE-120W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:0.12*0.25	Shielding Angle:



DATA OF LAMP		Eff:124.59lm/W	
MODEL		Imax(cd/klm)	519.7
NOMINAL POWER(W)	120	AVAILABILITY(%)	94.0
RATED VOLTAGE(V)	230	Avai. FLUX(lm/klm)	940.3
NOMINAL FLUX(lm)	15224.3	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm/klm)	1000.0
TEST VOLTAGE(V)	230	θ @50%(H,V)	83,82DEG

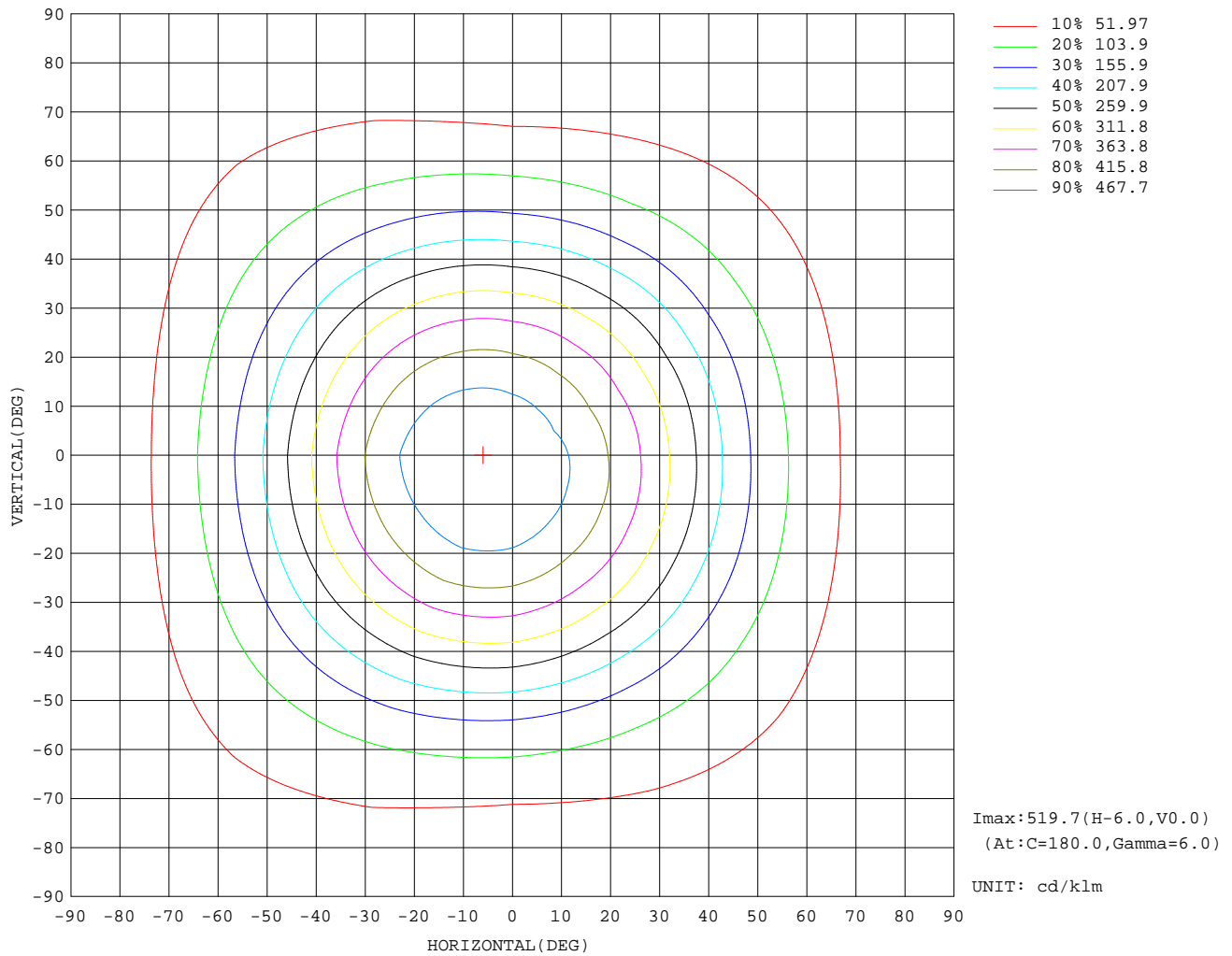
VERTICAL (DEG)	AREA FLUX DIAGRAM															UNIT:lm/klm		Φ t	Φ a	
	0.01	0.03	0.07	0.11	0.15	0.18	0.19	0.17	0.13	0.10	0.10	0.09	0.06	0.04	0.02	0.01	0.00			0.00
90	0.01	0.03	0.07	0.11	0.15	0.18	0.19	0.17	0.13	0.10	0.10	0.09	0.06	0.04	0.02	0.01	0.00	0.00	1.46	0.00
80	0.01	0.09	0.23	0.45	0.64	0.80	0.89	0.85	0.74	0.69	0.73	0.70	0.57	0.38	0.20	0.07	0.01	0.00	8.05	0.00
70	0.02	0.15	0.42	0.77	1.11	1.47	1.77	1.93	1.96	1.86	1.68	1.41	1.11	0.81	0.51	0.21	0.05	0.00	17.2	10.1
60	0.03	0.21	0.58	1.08	1.70	2.38	2.98	3.43	3.59	3.43	3.00	2.39	1.77	1.19	0.74	0.36	0.09	0.00	29.0	26.6
50	0.04	0.27	0.73	1.47	2.44	3.59	4.75	5.65	6.00	5.75	4.97	3.84	2.70	1.71	0.97	0.47	0.13	0.01	45.5	44.1
40	0.04	0.31	0.90	1.90	3.33	5.17	7.03	8.42	8.97	8.64	7.49	5.78	3.90	2.33	1.26	0.57	0.17	0.01	66.2	65.2
30	0.05	0.35	1.07	2.32	4.28	6.80	9.24	11.0	11.7	11.3	9.84	7.69	5.19	3.01	1.55	0.66	0.20	0.01	86.2	85.4
	0.05	0.38	1.20	2.69	5.11	8.14	11.0	13.1	13.9	13.3	11.6	9.14	6.29	3.61	1.79	0.74	0.22	0.02	102	102
	0.05	0.39	1.28	2.94	5.66	9.01	12.2	14.4	15.3	14.6	12.8	10.1	6.94	3.98	1.94	0.79	0.23	0.02	112	112
	0.05	0.39	1.29	2.97	5.74	9.14	12.4	14.6	15.5	15.0	13.1	10.3	7.06	4.05	1.97	0.80	0.23	0.02	115	114
	0.05	0.38	1.22	2.78	5.34	8.52	11.6	13.8	14.8	14.2	12.4	9.69	6.63	3.81	1.88	0.77	0.22	0.02	108	107
-30	0.05	0.35	1.10	2.44	4.61	7.37	10.1	12.2	13.0	12.5	10.8	8.43	5.70	3.29	1.67	0.70	0.21	0.02	94.6	93.8
-40	0.04	0.32	0.94	2.03	3.68	5.83	8.03	9.71	10.4	10.0	8.61	6.62	4.46	2.64	1.40	0.62	0.18	0.01	75.6	74.6
-50	0.04	0.28	0.77	1.59	2.73	4.18	5.70	6.86	7.36	7.07	6.05	4.63	3.20	2.00	1.11	0.52	0.15	0.01	54.3	53.1
-60	0.03	0.23	0.61	1.19	1.93	2.78	3.64	4.28	4.55	4.37	3.79	2.99	2.17	1.43	0.85	0.41	0.11	0.00	35.4	33.6
-70	0.02	0.17	0.47	0.85	1.28	1.76	2.19	2.49	2.62	2.52	2.23	1.82	1.39	0.97	0.60	0.27	0.06	0.00	21.7	17.9
-80	0.02	0.11	0.29	0.54	0.79	1.02	1.17	1.20	1.14	1.09	1.06	0.96	0.78	0.54	0.30	0.12	0.02	0.00	11.1	1.24
-90	0.01	0.04	0.11	0.20	0.28	0.36	0.40	0.36	0.29	0.25	0.26	0.23	0.18	0.10	0.05	0.01	0.00	0.00	3.14	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.61	4.43	13.3	28.3	50.8	78.5	105	124	132	127	111	86.7	60.1	35.9	18.8	8.11	2.29	0.16	987	---
Φ a	0.00	1.01	10.4	25.7	48.2	75.9	103	122	129	124	108	83.9	57.1	32.8	15.5	3.57	0.00	0.00	---	940

one-half-peak spread: U:40.3,D:39.0 , L:40.1,R:43.7 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG  
H(β) Interval: 0.5DEG  
Test Speed: LOW  
Temperature:25.3DEG  
Operators:  
Test Date:21 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:

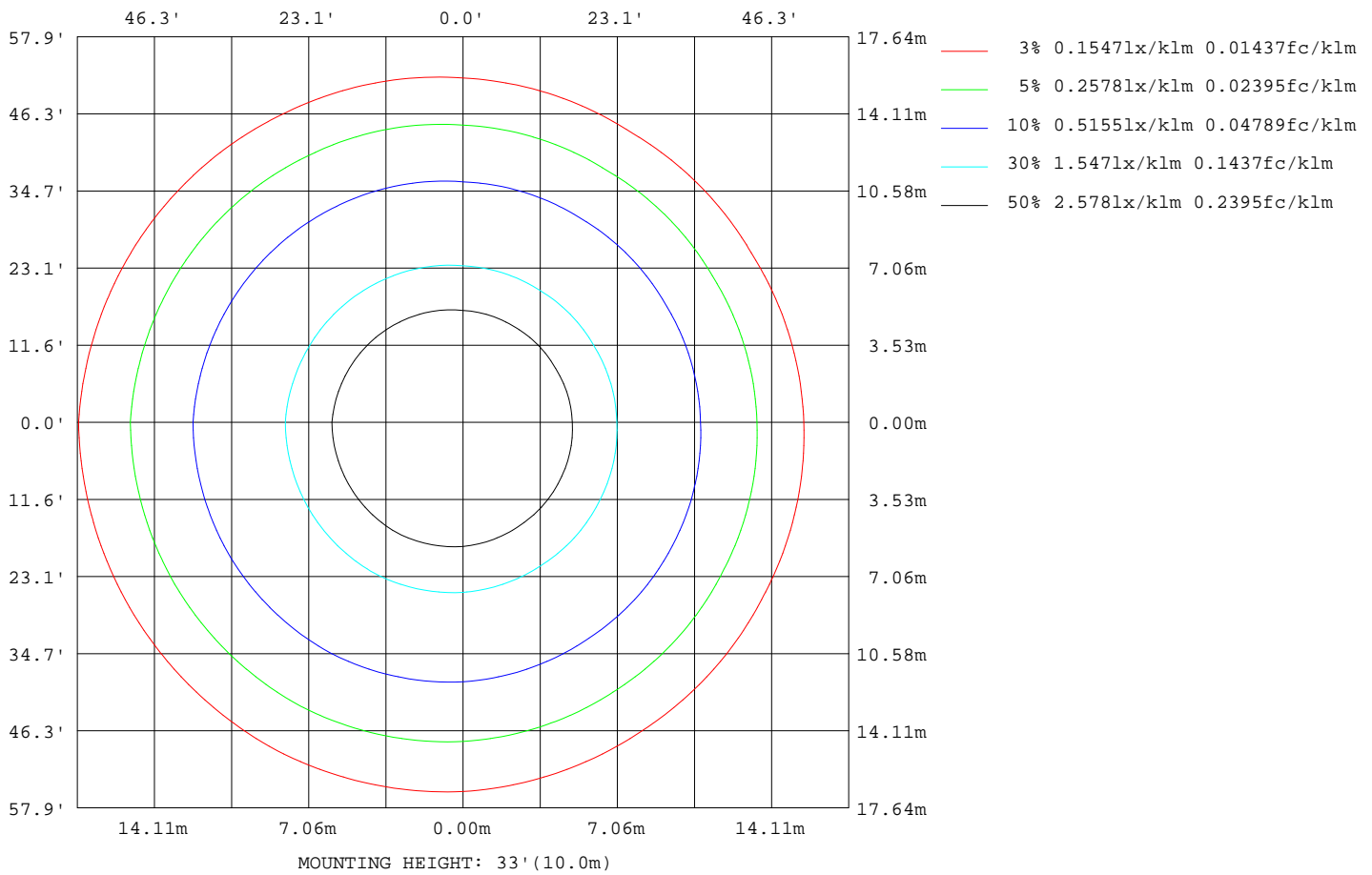
ISOCANDELA DIAGRAM



H( $\beta$ ) Range: -90 - 90DEG  
 H( $\beta$ ) Interval: 0.5DEG  
 Test Speed: LOW  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 21 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:

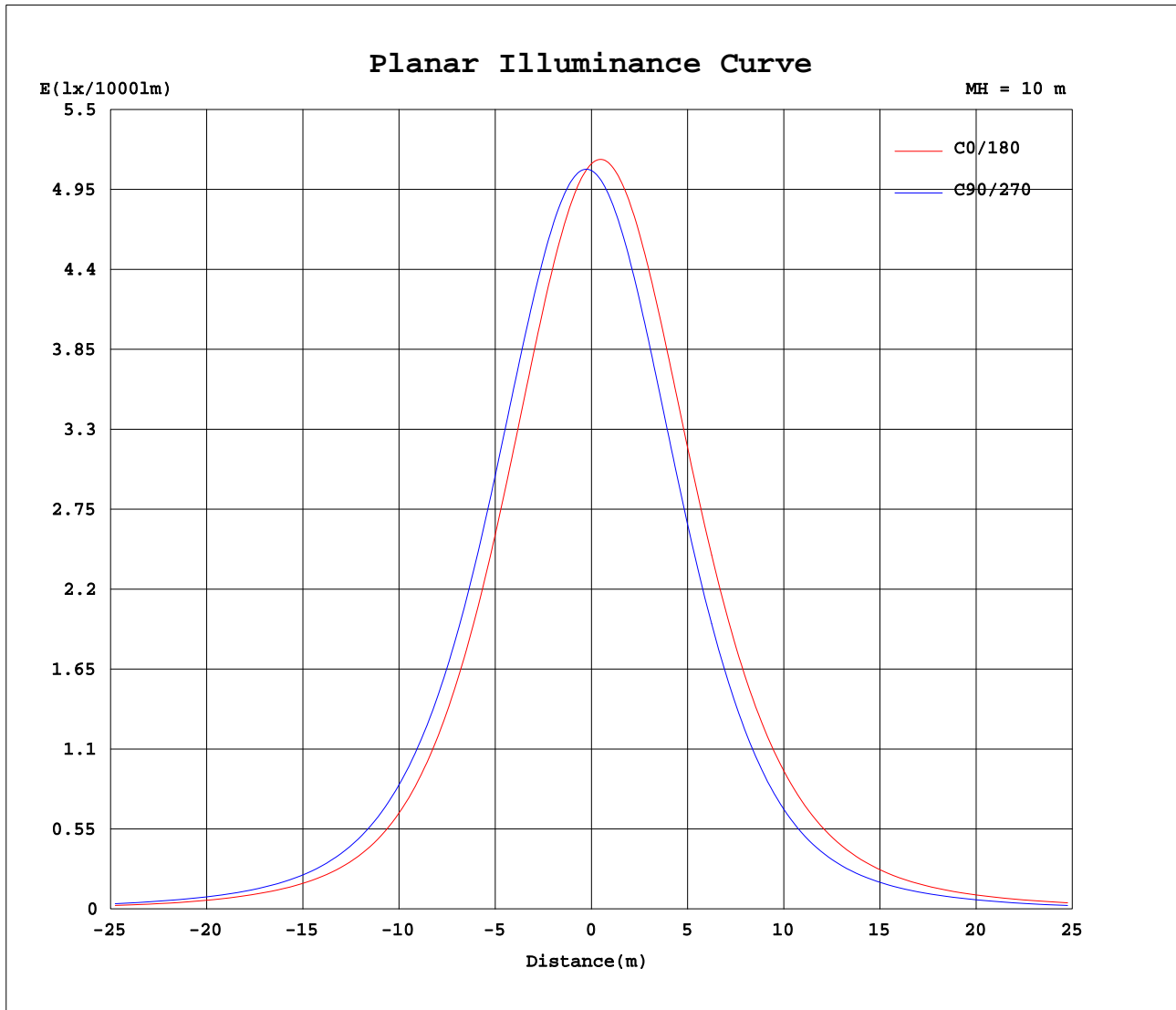
ISOLUX DIAGRAM



H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 0.5DEG  
 Test Speed: LOW  
 Temperature:25.3DEG  
 Operators:  
 Test Date:21 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:

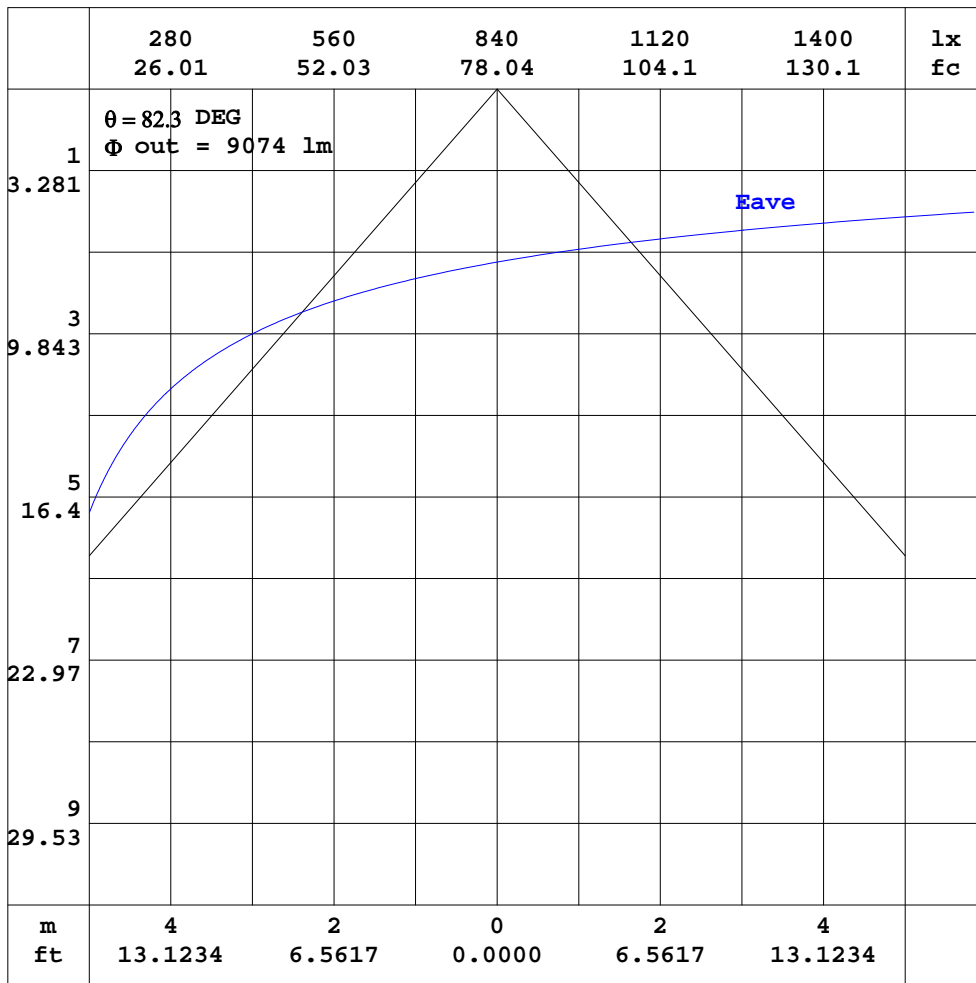
Planar Illuminance Curve



H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 0.5DEG  
 Test Speed: LOW  
 Temperature:25.3DEG  
 Operators:  
 Test Date:21 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:

AAI CURVES



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

H( $\beta$ ) Range: -90 - 90DEG  
 H( $\beta$ ) Interval: 0.5DEG  
 Test Speed: LOW  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 21 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:

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	1.14	0.49	0.53	0.70	0.92	1.18	1.49	1.81	2.17	2.55	2.95	3.35	3.74	4.14	4.54	4.90	5.22	5.47	5.57
-170	1.14	0.48	0.53	0.69	0.89	1.14	1.43	1.74	2.08	2.44	2.81	3.18	3.53	3.89	4.23	4.54	4.84	5.06	5.24
-160	1.14	0.47	0.52	0.66	0.84	1.06	1.32	1.60	1.90	2.22	2.54	2.85	3.15	3.47	3.77	4.04	4.26	4.46	4.59
-150	1.14	0.45	0.51	0.61	0.77	0.96	1.17	1.40	1.65	1.91	2.17	2.45	2.72	2.97	3.20	3.40	3.59	3.73	3.81
-140	1.14	0.42	0.50	0.56	0.68	0.83	0.99	1.17	1.35	1.55	1.77	1.98	2.18	2.37	2.55	2.71	2.84	2.94	3.00
-130	1.14	0.39	0.50	0.51	0.59	0.69	0.80	0.93	1.06	1.20	1.35	1.49	1.63	1.76	1.88	2.00	2.09	2.16	2.20
-120	1.14	0.36	0.47	0.49	0.50	0.56	0.63	0.70	0.79	0.88	0.97	1.05	1.13	1.21	1.29	1.36	1.42	1.46	1.48
-110	1.14	0.40	0.39	0.46	0.47	0.46	0.49	0.52	0.57	0.61	0.65	0.69	0.73	0.77	0.81	0.85	0.88	0.90	0.92
-100	1.14	0.55	0.40	0.35	0.38	0.41	0.43	0.42	0.42	0.43	0.43	0.44	0.45	0.47	0.48	0.49	0.50	0.51	0.51
-90	1.14	1.30	1.45	1.60	1.76	1.91	2.06	1.99	1.92	1.85	1.78	1.70	1.63	1.44	1.24	1.05	0.85	0.66	0.47
-80	1.14	3.51	6.43	9.31	12.1	15.2	18.6	21.1	23.4	25.2	26.9	28.4	29.6	28.6	27.0	25.2	23.0	20.6	18.0
-70	1.14	6.03	11.2	16.7	22.8	29.4	35.9	40.3	43.8	47.1	50.6	54.0	57.1	58.7	59.7	60.3	60.5	60.0	58.7
-60	1.14	8.43	15.6	24.0	33.4	41.7	49.2	57.4	65.2	73.2	81.1	88.8	96.2	103	108	111	113	114	113
-50	1.14	10.3	19.6	31.2	42.0	52.5	65.3	78.7	92.2	107	121	137	152	166	178	186	191	193	191
-40	1.14	11.7	23.4	37.2	49.3	65.5	83.5	102	123	147	173	200	226	250	270	283	292	295	293
-30	1.14	12.9	26.5	41.2	57.1	78.3	101	126	157	192	230	266	301	332	358	377	388	391	388
-20	1.14	13.8	28.6	44.3	64.1	89.2	116	148	187	232	278	322	363	398	426	448	462	465	462
-10	1.14	14.3	29.9	46.1	68.8	96.5	126	164	209	259	310	358	402	439	468	488	501	506	502
0	1.14	14.3	30.1	46.4	70.4	99.3	130	170	217	269	322	372	417	455	485	506	517	519	513
10	1.14	14.1	29.6	45.7	68.1	95.2	124	160	203	251	301	348	390	425	454	474	485	487	479
20	1.14	13.5	28.1	43.6	62.7	87.0	112	142	178	218	261	302	340	371	397	414	424	427	421
30	1.14	12.5	25.6	40.3	55.3	75.3	96.6	119	146	176	208	241	271	297	318	334	342	345	340
40	1.14	11.2	22.3	36.0	47.4	62.1	78.6	95.5	113	132	152	174	194	213	228	239	246	248	244
50	1.14	9.71	18.1	29.3	40.1	49.4	60.6	72.1	83.6	95.0	106	117	127	136	144	150	153	153	150
60	1.14	7.81	14.0	21.8	30.8	39.1	45.6	52.0	58.0	64.2	70.1	75.5	80.2	84.0	87.2	89.2	90.1	89.7	87.9
70	1.14	5.37	9.78	14.0	19.3	25.3	31.6	36.0	38.5	40.6	42.4	44.2	45.8	46.1	45.3	44.2	42.6	40.4	37.6
80	1.14	2.91	5.05	7.20	9.09	11.0	13.2	14.8	16.4	17.8	18.9	19.7	20.2	19.3	18.0	16.3	14.4	12.2	9.91
90	1.14	1.03	0.93	0.82	0.71	0.60	0.49	0.47	0.45	0.43	0.41	0.40	0.38	0.38	0.38	0.38	0.38	0.38	0.38
100	1.14	0.50	0.40	0.42	0.47	0.49	0.49	0.49	0.50	0.52	0.55	0.58	0.61	0.64	0.66	0.68	0.69	0.71	0.72
110	1.14	0.40	0.44	0.49	0.50	0.52	0.57	0.63	0.69	0.75	0.82	0.88	0.94	1.00	1.06	1.11	1.16	1.19	1.22
120	1.14	0.38	0.49	0.52	0.55	0.64	0.73	0.83	0.95	1.06	1.18	1.30	1.41	1.52	1.63	1.72	1.80	1.86	1.91
130	1.14	0.41	0.51	0.54	0.65	0.77	0.91	1.07	1.24	1.42	1.60	1.79	1.97	2.14	2.30	2.44	2.56	2.65	2.71
140	1.14	0.44	0.52	0.59	0.73	0.90	1.10	1.31	1.54	1.78	2.03	2.29	2.54	2.77	2.99	3.18	3.34	3.46	3.55
150	1.14	0.46	0.52	0.64	0.81	1.02	1.26	1.53	1.81	2.11	2.42	2.74	3.05	3.35	3.62	3.86	4.06	4.22	4.32
160	1.14	0.48	0.53	0.68	0.87	1.12	1.39	1.69	2.03	2.38	2.74	3.10	3.45	3.79	4.12	4.42	4.68	4.87	4.99
170	1.14	0.49	0.53	0.70	0.91	1.17	1.46	1.79	2.15	2.53	2.92	3.32	3.70	4.07	4.44	4.79	5.12	5.35	5.49
180	1.14	0.49	0.53	0.70	0.92	1.18	1.49	1.81	2.17	2.55	2.95	3.35	3.74	4.14	4.54	4.90	5.22	5.47	5.56

H( $\beta$ ) Range:-90 - 90DEG  
 H( $\beta$ ) Interval: 0.5DEG  
 Test Speed: LOW  
 Temperature:25.3DEG  
 Operators:  
 Test Date:21 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:

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	5.67	5.60	5.42	5.15	4.85	4.51	4.14	3.75	3.33	2.90	2.48	2.08	1.70	1.36	1.06	0.81	0.62	0.50	
-170	5.28	5.22	5.08	4.86	4.57	4.26	3.93	3.57	3.18	2.78	2.38	2.00	1.65	1.32	1.03	0.79	0.62	0.50	
-160	4.63	4.58	4.47	4.30	4.09	3.84	3.55	3.23	2.89	2.55	2.20	1.86	1.58	1.25	0.99	0.77	0.62	0.50	
-150	3.85	3.82	3.74	3.63	3.47	3.27	3.05	2.79	2.51	2.22	1.94	1.66	1.39	1.14	0.92	0.73	0.61	0.50	
-140	3.04	3.03	2.98	2.89	2.78	2.64	2.47	2.28	2.07	1.85	1.64	1.42	1.21	1.01	0.84	0.68	0.61	0.50	
-130	2.23	2.23	2.21	2.16	2.08	1.99	1.88	1.75	1.61	1.47	1.32	1.17	1.02	0.88	0.75	0.63	0.60	0.50	
-120	1.51	1.52	1.51	1.49	1.44	1.39	1.34	1.26	1.19	1.10	1.01	0.92	0.83	0.74	0.66	0.60	0.60	0.50	
-110	0.93	0.94	0.94	0.94	0.92	0.91	0.89	0.86	0.83	0.79	0.75	0.71	0.66	0.62	0.59	0.59	0.58	0.50	
-100	0.53	0.54	0.55	0.56	0.57	0.57	0.57	0.57	0.56	0.55	0.55	0.55	0.55	0.56	0.57	0.57	0.54	0.50	
-90	0.45	0.43	0.41	0.39	0.37	0.35	0.36	0.38	0.39	0.41	0.42	0.43	0.45	0.46	0.47	0.48	0.49	0.50	
-80	19.2	20.1	20.8	21.3	21.4	21.1	18.9	16.4	13.5	10.9	8.53	5.88	3.11	1.28	0.50	0.42	0.44	0.50	
-70	57.7	56.1	53.9	51.4	48.9	46.1	42.8	39.4	35.8	31.4	26.3	20.4	14.5	9.06	4.17	0.87	0.41	0.50	
-60	110	105	99.2	92.3	84.9	77.3	69.7	62.1	54.7	47.9	41.8	34.8	26.1	17.6	10.3	3.21	0.41	0.50	
-50	185	176	164	150	135	120	106	91.7	78.6	66.4	55.3	45.1	36.1	25.5	15.3	6.79	0.58	0.50	
-40	284	269	250	228	204	178	152	128	106	87.6	71.1	55.8	43.3	32.2	19.8	9.91	0.81	0.50	
-30	377	358	334	307	276	241	204	169	136	110	87.2	67.2	49.7	37.1	23.5	11.7	1.20	0.50	
-20	448	427	401	369	333	292	249	206	165	129	101	77.0	55.6	39.9	26.1	12.9	1.72	0.50	
-10	489	468	439	405	367	324	278	230	183	142	109	83.1	59.3	41.3	27.3	13.5	2.09	0.50	
0	498	475	446	412	373	330	284	235	187	144	111	84.4	59.9	41.0	27.1	13.4	2.14	0.50	
10	466	446	419	388	352	312	268	222	177	137	106	80.9	57.9	40.5	26.8	13.1	1.97	0.50	
20	411	392	370	342	309	271	232	191	153	121	94.8	72.8	52.9	38.6	25.2	12.2	1.50	0.50	
30	332	318	298	274	246	215	182	150	123	99.3	79.6	61.8	46.4	35.4	22.1	10.8	0.93	0.50	
40	238	227	211	193	173	151	130	110	92.3	76.6	62.8	50.1	40.0	30.1	17.9	8.87	0.59	0.50	
50	147	140	131	121	109	98.4	87.4	76.5	66.1	56.5	48.0	40.5	33.0	22.7	13.1	5.70	0.46	0.50	
60	85.6	82.2	77.6	72.4	66.5	61.1	55.9	50.6	45.5	40.9	36.7	30.5	22.2	14.1	8.33	1.97	0.39	0.50	
70	38.2	38.4	38.2	37.7	37.2	36.4	34.5	32.2	29.1	25.1	20.1	14.8	10.2	6.40	2.14	0.48	0.42	0.50	
80	10.9	11.6	12.1	12.3	12.1	11.4	9.88	8.29	6.83	5.26	3.56	1.67	0.72	0.47	0.40	0.42	0.46	0.50	
90	0.40	0.42	0.43	0.45	0.47	0.49	0.50	0.50	0.51	0.52	0.53	0.54	0.53	0.53	0.52	0.52	0.51	0.50	
100	0.72	0.73	0.73	0.73	0.73	0.72	0.70	0.69	0.67	0.65	0.62	0.60	0.58	0.58	0.58	0.57	0.55	0.50	
110	1.23	1.23	1.22	1.20	1.18	1.14	1.09	1.04	0.98	0.92	0.86	0.79	0.73	0.66	0.61	0.60	0.58	0.50	
120	1.92	1.92	1.89	1.85	1.79	1.71	1.61	1.49	1.38	1.26	1.14	1.02	0.90	0.79	0.69	0.61	0.60	0.50	
130	2.73	2.71	2.67	2.59	2.49	2.35	2.19	2.01	1.83	1.64	1.46	1.27	1.09	0.93	0.78	0.65	0.61	0.50	
140	3.56	3.53	3.46	3.35	3.19	3.00	2.78	2.54	2.29	2.03	1.77	1.52	1.28	1.06	0.87	0.70	0.61	0.50	
150	4.32	4.28	4.18	4.02	3.82	3.58	3.31	3.02	2.70	2.38	2.05	1.75	1.45	1.18	0.95	0.74	0.61	0.50	
160	4.99	4.92	4.76	4.55	4.31	4.03	3.73	3.40	3.03	2.66	2.28	1.92	1.63	1.28	1.00	0.78	0.62	0.50	
170	5.48	5.35	5.15	4.93	4.66	4.36	4.02	3.65	3.25	2.84	2.43	2.04	1.67	1.34	1.04	0.80	0.62	0.50	
180	5.67	5.60	5.42	5.15	4.85	4.51	4.14	3.75	3.33	2.90	2.48	2.08	1.70	1.36	1.06	0.81	0.62	0.50	

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 0.5DEG  
Test Speed: LOW  
Temperature:25.3DEG  
Operators:  
Test Date:21 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: