

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

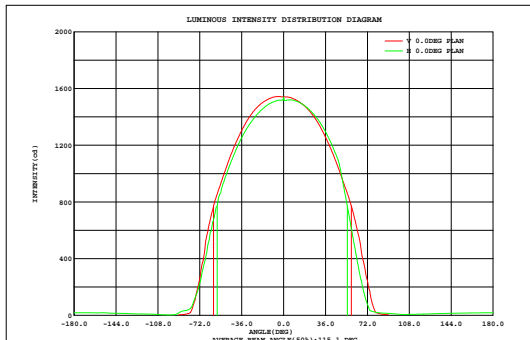
Maximum Intensity (Luminaire orientation as tested.)		356.7 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	143.8V x 149.3H 111.8V x 118.3H 55.0V x 57.1H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	1000.0 lumens per klm. 968.6 lumens per klm. 796.5 lumens per klm. 235.2 lumens per klm.
	Upward LOR Downward LOR	1.5 % 98.5 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:27 September 2019

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:229.9V I:0.2159A P:49.31W PF:0.9940 Lamp Flux:4330.73x1 lm		
NAME: 01WL-AK-50W	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:87.82lm/W	
MODEL		Imax(cd)	1545
NOMINAL POWER(W)	50	AVAILABILITY(%)	96.8
RATED VOLTAGE(V)	230	Avai. FLUX(lm)	4194
NOMINAL FLUX(lm)	4330.73	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	4331
TEST VOLTAGE(V)	230	θ @50%(H,V)	118,112DEG

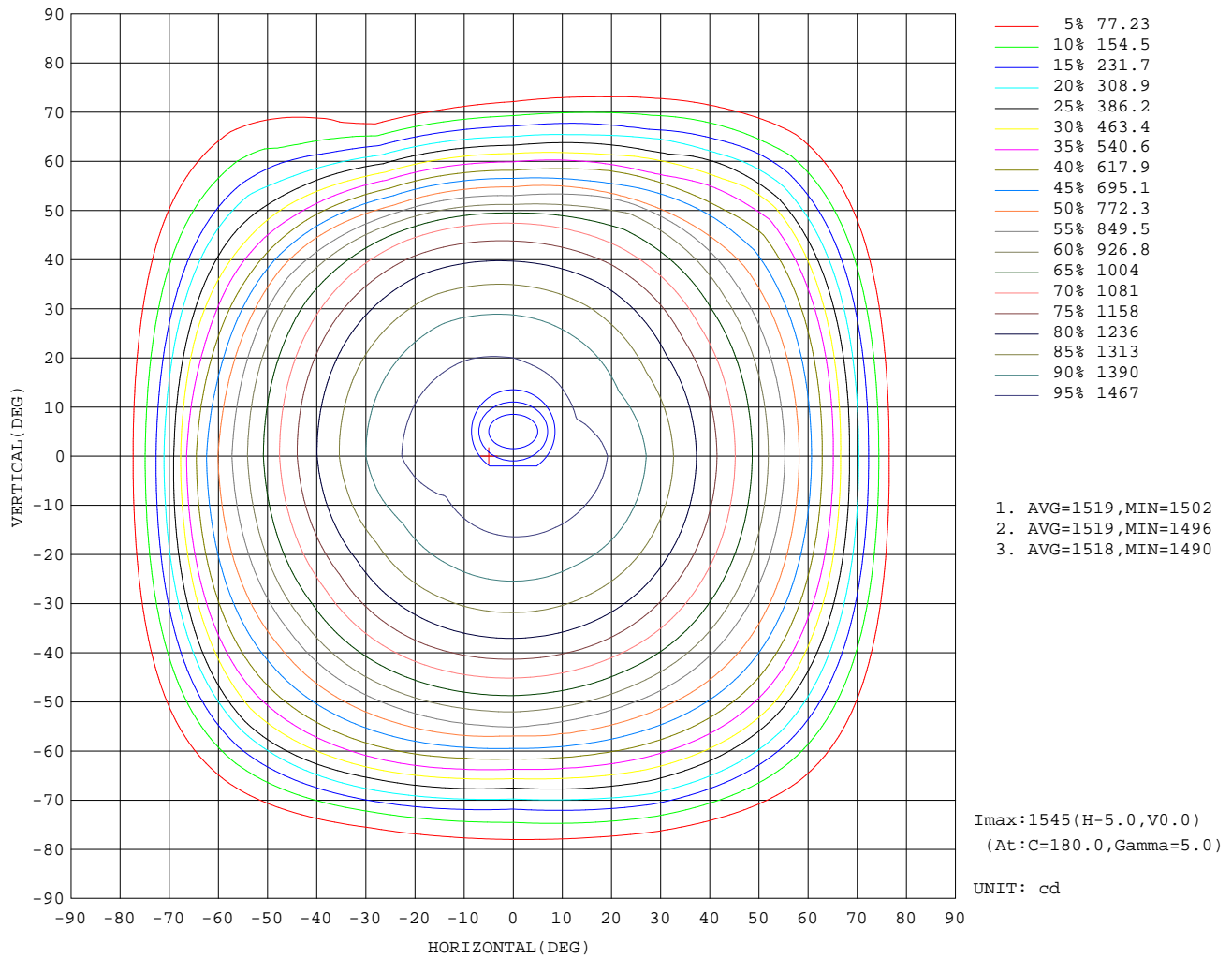
AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
90	0.01	0.06	0.12	0.20	0.27	0.34	0.40	0.45	0.49	0.49	0.45	0.40	0.32	0.22	0.14	0.08	0.05	0.01	4.49	0.00
80	0.02	0.07	0.18	0.42	0.73	0.77	0.69	1.01	1.35	1.65	1.78	1.59	1.20	0.73	0.33	0.13	0.06	0.02	12.7	0.00
70	0.02	0.10	0.53	1.75	2.90	3.91	5.42	7.86	9.38	10.0	9.76	8.43	6.55	4.20	1.91	0.44	0.08	0.02	73.3	62.8
60	0.02	0.18	1.47	4.35	7.87	12.2	16.6	20.7	22.8	23.2	22.1	18.8	14.5	10.2	5.39	1.47	0.15	0.02	182	180
50	0.02	0.39	2.81	7.59	13.9	20.9	27.3	31.9	34.1	33.9	31.6	27.5	21.3	15.1	9.07	3.03	0.32	0.02	281	279
40	0.02	0.67	4.31	10.9	19.0	26.8	33.2	37.6	39.6	39.3	36.8	32.1	25.7	18.5	11.5	4.60	0.60	0.02	341	340
30	0.03	0.97	5.72	13.4	22.0	30.0	36.6	41.1	43.2	42.8	40.1	35.2	28.5	20.8	13.2	5.81	0.89	0.03	380	380
	0.03	1.22	6.81	15.0	23.6	31.9	38.7	43.3	45.3	44.8	42.0	37.2	30.4	22.4	14.3	6.58	1.11	0.03	405	404
	0.03	1.37	7.48	15.7	24.4	32.7	39.7	44.3	46.3	45.6	43.2	38.5	31.5	23.2	14.9	6.94	1.23	0.03	417	417
	0.03	1.39	7.59	15.7	24.2	32.4	39.2	43.6	45.7	46.0	43.6	38.7	31.6	23.2	14.8	6.92	1.23	0.03	416	415
	0.03	1.27	7.14	14.9	23.1	31.0	37.5	42.0	44.5	44.5	42.2	37.4	30.4	22.4	14.2	6.53	1.13	0.03	400	400
-30	0.03	1.03	6.28	13.7	21.3	28.8	35.2	39.7	42.0	42.0	39.6	35.0	28.3	20.7	13.1	5.74	0.91	0.03	373	373
-40	0.03	0.72	5.01	11.9	18.7	25.7	31.7	36.0	38.2	38.2	35.8	31.4	25.2	18.3	11.3	4.57	0.63	0.03	333	332
-50	0.02	0.41	3.40	9.45	15.5	21.5	26.8	30.7	32.7	32.6	30.4	26.3	21.0	15.1	8.82	3.11	0.36	0.03	278	277
-60	0.02	0.19	1.76	6.02	11.3	16.2	20.5	23.6	25.3	25.2	23.3	20.0	15.8	10.8	5.53	1.61	0.19	0.02	207	205
-70	0.02	0.11	0.57	2.37	5.45	8.94	12.0	14.1	14.9	14.9	14.0	12.0	8.96	5.37	2.29	0.55	0.13	0.02	117	112
-80	0.02	0.09	0.22	0.52	1.18	2.13	3.21	4.14	4.60	4.70	4.41	3.61	2.39	1.26	0.56	0.26	0.10	0.02	33.4	17.3
-90	0.02	0.08	0.18	0.30	0.46	0.63	0.79	0.89	0.98	0.98	0.91	0.81	0.67	0.50	0.33	0.19	0.09	0.02	8.82	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)	20	30	40	50	60	70	80	90			
Φ t	0.41	10.3	61.6	144	236	327	405	463	491	491	462	405	324	233	142	58.6	9.24	0.43	4264	---
Φ a	0.00	5.86	57.4	140	231	322	401	458	487	486	457	400	320	229	138	54.7	4.88	0.00	---	4194

one-half-peak spread: U:55.0,D:48.0 , L:55.3,R:55.5 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:27 September 2019

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:

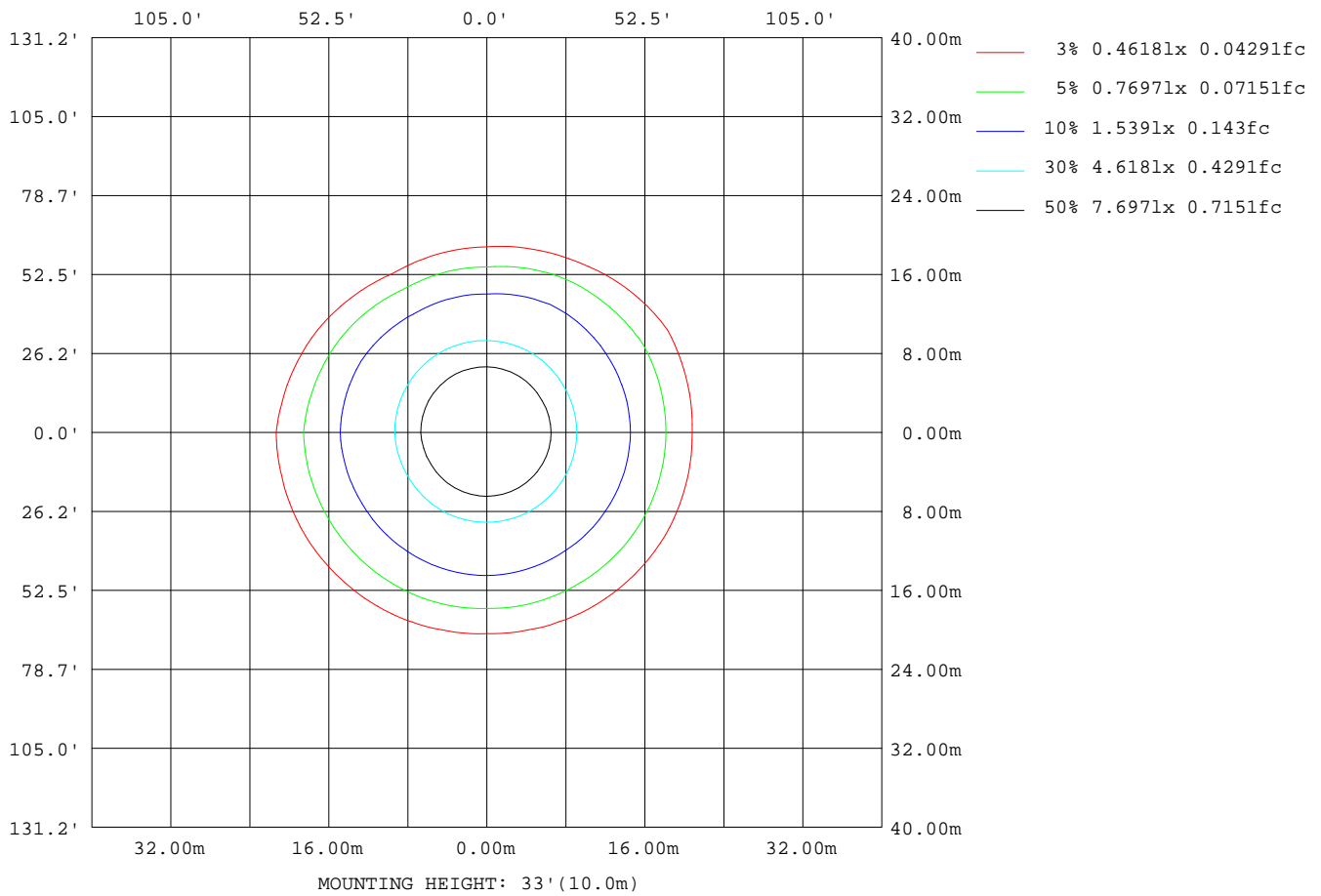
ISOCANDELA DIAGRAM



H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:27 September 2019

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:

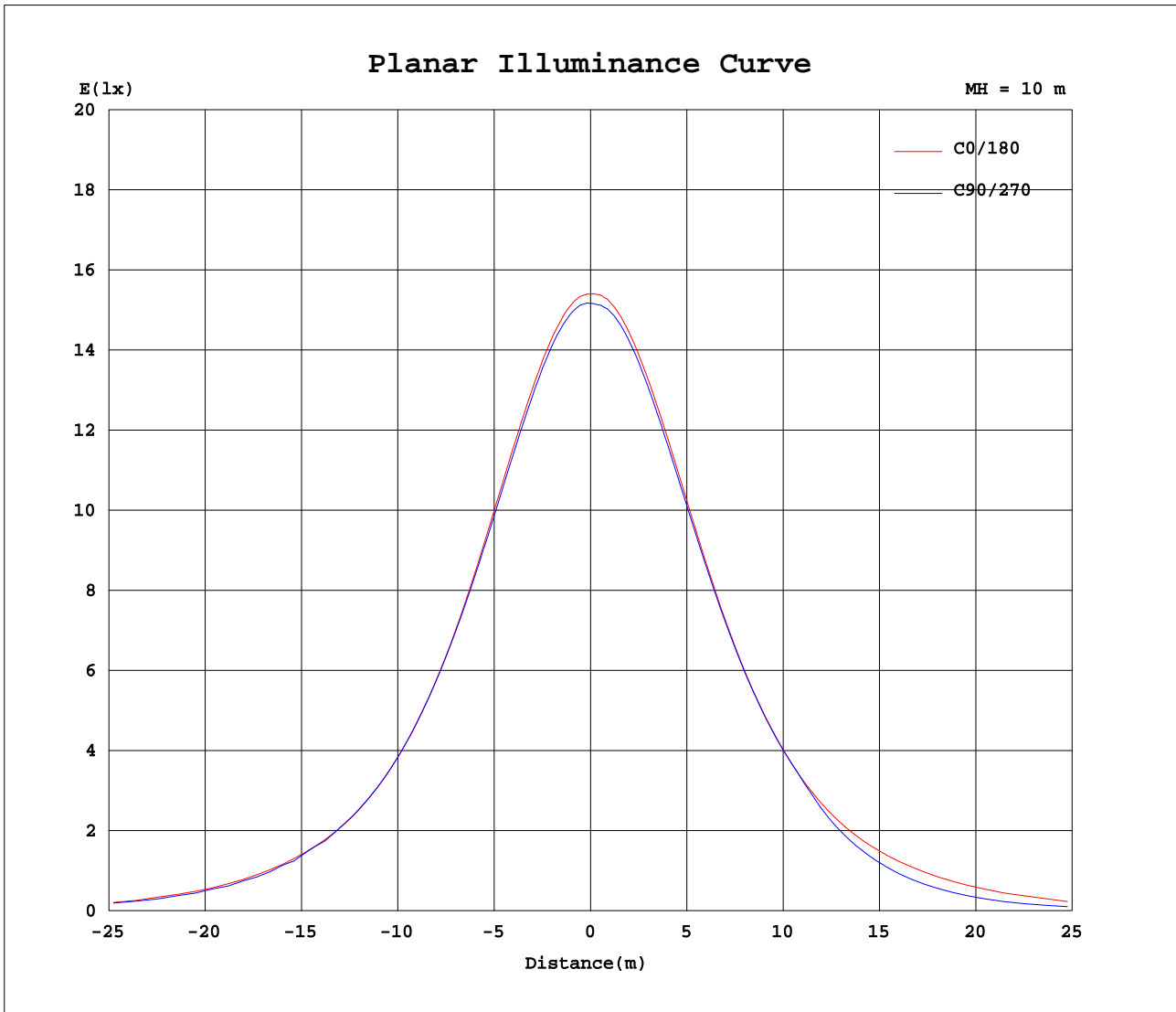
ISOLUX DIAGRAM



H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:27 September 2019

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:

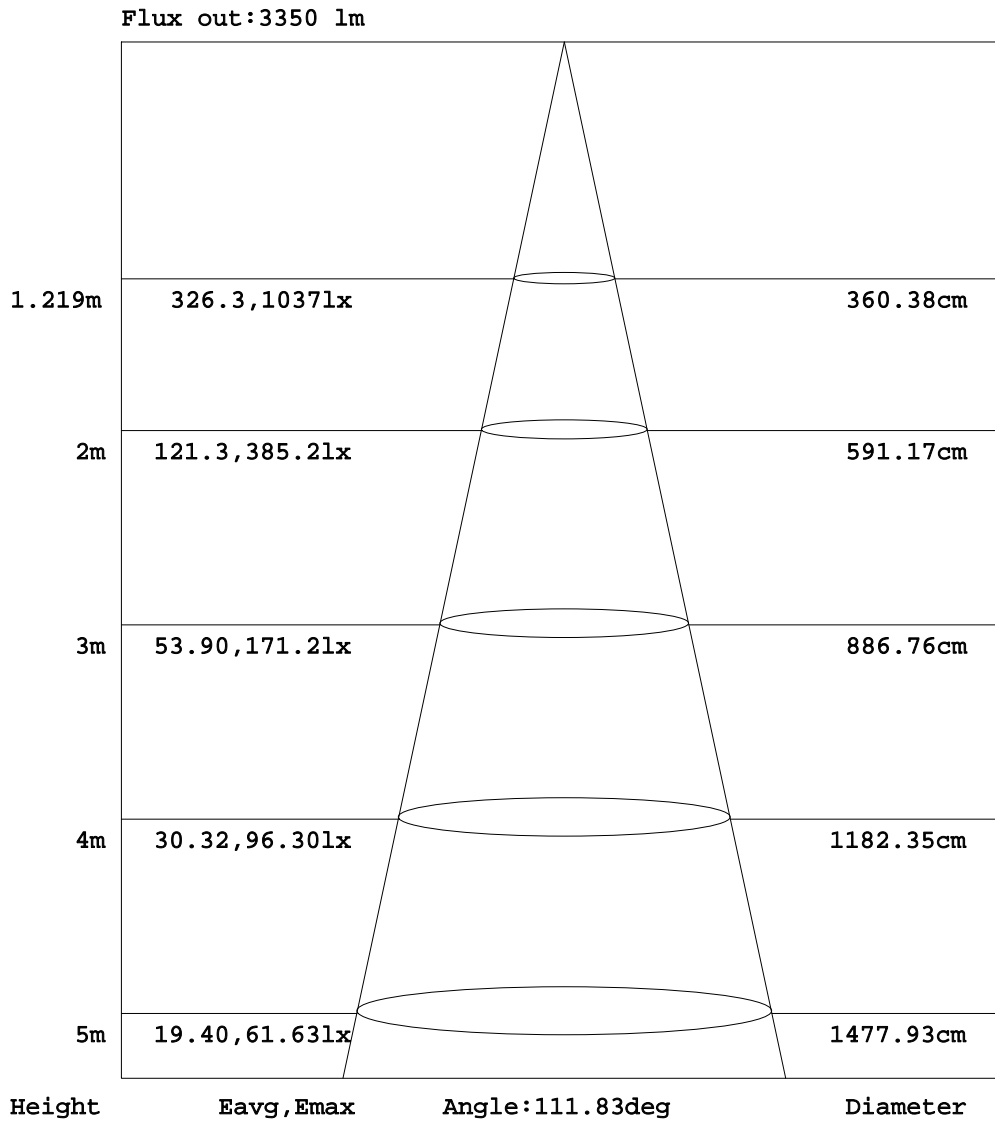
Planar Illuminance Curve



H(β) Range:-90 - 90DEG
 H(β) Interval: 0.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:27 September 2019

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 Figure



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: 0.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:27 September 2019

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

H(DEG) V(DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	4.08	4.25	4.55	5.21	6.40	7.97	9.48	11.0	12.3	13.4	14.5	15.3	16.0	16.6	17.3	17.9	18.3	18.7	18.8
-170	4.08	4.35	4.60	5.31	6.63	8.25	9.74	11.2	12.4	13.5	14.4	15.0	15.5	16.5	16.8	17.3	17.9	18.3	18.6
-160	4.08	4.47	4.61	5.29	6.64	8.29	9.73	11.1	12.2	13.2	14.2	14.7	15.0	15.3	16.2	16.6	17.1	17.5	17.6
-150	4.08	4.62	4.57	5.19	6.42	8.06	9.53	10.8	12.0	12.8	13.5	14.1	14.4	14.5	14.8	15.2	15.6	16.1	16.4
-140	4.08	4.82	4.53	5.09	5.98	7.50	9.04	10.3	11.4	12.0	12.2	12.4	12.5	13.1	14.1	14.2	14.3	14.4	14.4
-130	4.08	5.07	4.68	4.91	5.48	6.56	8.06	9.49	10.5	11.2	11.5	10.9	10.6	10.9	11.2	11.3	11.4	11.5	11.5
-120	4.08	5.34	5.22	4.71	5.17	5.66	6.42	7.74	9.16	10.3	11.0	11.5	11.7	11.7	11.3	10.8	10.5	10.2	10.0
-110	4.08	5.59	6.20	5.76	5.08	5.03	5.57	5.78	6.09	6.87	8.01	9.26	10.4	10.6	10.1	9.48	8.82	8.13	7.37
-100	4.08	5.78	7.16	8.04	8.36	8.16	7.55	6.06	4.98	4.30	3.98	3.77	3.64	3.68	3.70	3.67	3.59	3.47	3.33
-90	4.08	5.86	7.63	9.40	11.2	13.0	14.7	15.1	15.5	15.9	16.3	16.7	17.1	17.2	17.3	17.5	17.6	17.7	17.8
-80	4.08	6.10	8.23	10.3	12.3	14.5	16.7	19.5	22.5	25.5	28.6	31.7	35.0	37.4	40.1	42.6	44.9	46.8	48.3
-70	4.08	6.45	8.92	11.9	15.7	20.6	31.7	56.4	88.0	116	157	196	230	259	277	291	301	304	300
-60	4.08	6.72	10.0	15.4	26.7	73.7	141	231	307	402	464	521	569	609	634	661	676	680	677
-50	4.08	6.94	11.8	22.4	85.2	189	309	456	555	639	704	764	819	867	907	938	958	972	976
-40	4.08	7.16	13.9	50.8	164	312	487	622	716	798	880	954	1017	1071	1115	1146	1169	1181	1184
-30	4.08	7.39	16.1	89.0	238	430	613	738	839	933	1020	1099	1166	1222	1265	1298	1320	1333	1337
-20	4.08	7.51	18.3	114	302	532	698	823	934	1037	1128	1205	1269	1324	1367	1399	1421	1436	1442
-10	4.08	7.48	19.5	142	348	579	750	879	996	1105	1200	1281	1347	1397	1431	1455	1478	1492	1502
0	4.08	7.28	19.2	151	359	595	776	904	1024	1138	1234	1319	1390	1446	1489	1516	1536	1545	1539
10	4.08	7.35	19.5	139	336	559	737	883	1006	1121	1220	1303	1373	1429	1470	1498	1514	1520	1513
20	4.08	7.26	18.2	110	282	491	664	820	952	1066	1165	1248	1319	1374	1415	1444	1463	1469	1467
30	4.08	7.01	15.6	85.4	216	377	550	699	848	966	1066	1151	1220	1276	1321	1352	1369	1377	1376
40	4.08	6.67	12.8	49.6	145	265	399	532	654	786	890	978	1065	1128	1172	1202	1222	1230	1230
50	4.08	6.33	10.6	22.3	79.1	155	242	341	413	505	590	674	749	810	883	926	957	976	979
60	4.08	6.00	8.74	13.2	26.9	68.6	115	167	193	238	267	304	342	383	435	479	511	528	534
70	4.08	5.62	7.44	9.77	12.7	17.5	32.1	49.4	62.9	67.5	65.5	56.7	40.0	44.9	66.1	87.2	106	120	130
80	4.08	5.20	6.51	7.83	9.23	10.7	12.3	13.4	14.3	15.2	16.0	16.6	16.8	17.4	18.1	18.8	19.5	20.0	20.6
90	4.08	4.91	5.73	6.55	7.37	8.19	9.02	9.44	9.87	10.3	10.7	11.1	11.6	12.0	12.5	12.9	13.4	13.8	14.2
100	4.08	4.84	5.43	5.86	6.14	6.29	6.34	6.47	6.64	6.81	6.96	7.08	7.18	7.16	7.19	7.27	7.39	7.55	7.76
110	4.08	4.77	5.14	5.23	5.09	4.92	4.86	4.89	4.89	4.99	5.37	5.90	6.48	6.84	7.01	7.10	7.13	7.12	7.08
120	4.08	4.69	4.86	4.75	4.73	4.77	4.93	5.41	6.17	6.83	7.22	7.51	7.83	8.15	8.49	8.75	8.93	9.04	9.07
130	4.08	4.61	4.65	4.66	4.80	5.22	5.95	6.75	7.53	8.23	8.90	9.53	10.1	10.6	10.9	11.3	11.5	11.7	11.8
140	4.08	4.52	4.54	4.73	5.15	6.02	7.06	8.04	8.91	9.76	10.6	11.3	12.0	12.5	12.9	13.4	13.7	13.9	14.0
150	4.08	4.45	4.52	4.85	5.60	6.79	8.00	9.12	10.2	11.1	11.9	12.8	13.5	14.1	14.7	15.0	15.3	15.6	15.7
160	4.08	4.38	4.54	5.02	6.01	7.41	8.72	10.0	11.2	12.2	13.2	14.0	14.7	15.3	15.9	16.4	16.7	17.0	17.1
170	4.08	4.31	4.56	5.15	6.29	7.80	9.23	10.7	11.9	13.0	14.0	14.9	15.6	16.2	16.9	17.4	17.8	18.0	18.1
180	4.08	4.25	4.55	5.21	6.40	7.97	9.48	11.0	12.3	13.4	14.5	15.3	16.0	16.6	17.3	17.9	18.3	18.7	18.7

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:27 September 2019

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

H(DEG) V(DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	18.9	18.7	18.2	17.6	16.9	16.2	15.3	14.3	13.2	12.0	10.7	9.33	7.88	6.44	5.02	3.74	3.07	4.76	
-170	18.9	18.8	18.1	17.5	16.9	16.0	15.1	14.2	13.1	11.9	10.6	9.23	7.84	6.47	5.16	3.83	3.31	4.76	
-160	18.3	18.5	17.8	17.1	16.2	15.3	14.5	13.6	12.5	11.4	10.1	8.89	7.60	6.37	5.21	3.81	3.62	4.76	
-150	16.5	16.4	15.8	15.1	14.6	14.0	13.4	12.6	11.6	10.5	9.43	8.31	7.20	6.19	5.21	3.71	4.01	4.76	
-140	14.4	14.2	13.7	13.2	12.8	12.4	11.9	11.3	10.5	9.44	8.53	7.62	6.79	6.03	5.08	3.75	4.46	4.76	
-130	11.5	11.5	11.5	11.6	11.8	11.8	11.3	10.2	9.16	8.31	7.63	7.07	6.54	5.95	4.41	4.22	4.96	4.76	
-120	10.3	10.4	10.5	10.2	10.1	9.47	8.79	8.19	7.59	7.29	7.21	7.02	6.53	4.99	4.41	5.24	5.46	4.76	
-110	7.35	7.27	7.15	7.01	6.88	6.80	6.75	6.79	6.93	7.02	6.81	5.79	4.78	5.63	6.51	6.68	5.92	4.76	
-100	3.38	3.40	3.38	3.30	3.14	2.99	3.22	3.73	4.62	6.08	8.07	10.5	10.5	10.0	9.10	7.82	6.32	4.76	
-90	18.0	18.2	18.4	18.5	18.7	18.9	18.4	17.9	17.4	16.9	16.4	15.9	14.1	12.2	10.3	8.48	6.62	4.76	
-80	47.0	45.2	43.1	40.7	38.0	35.7	33.1	30.5	27.8	25.2	22.4	19.5	16.6	14.0	11.5	9.09	6.85	4.76	
-70	306	307	302	293	273	248	209	170	127	89.4	54.9	31.1	24.0	18.4	13.7	10.2	7.21	4.76	
-60	676	670	653	622	595	553	506	451	370	301	215	134	66.1	26.1	17.5	11.5	7.60	4.76	
-50	968	950	925	891	848	801	750	686	614	524	416	292	175	73.2	22.4	13.3	7.94	4.76	
-40	1179	1164	1138	1102	1055	1000	934	859	784	695	586	447	290	146	39.0	15.1	8.19	4.76	
-30	1333	1318	1294	1259	1212	1153	1082	1001	909	814	706	570	394	218	71.6	16.8	8.41	4.76	
-20	1437	1422	1399	1367	1320	1259	1185	1102	1006	898	789	653	473	275	97.9	18.1	8.49	4.76	
-10	1499	1489	1466	1433	1387	1326	1251	1164	1064	952	837	701	530	311	119	18.8	8.41	4.76	
0	1538	1522	1496	1462	1413	1351	1275	1186	1085	972	856	719	546	324	124	18.5	8.15	4.76	
10	1500	1479	1449	1419	1379	1322	1249	1164	1066	955	839	702	533	311	118	18.3	8.07	4.76	
20	1455	1435	1406	1368	1319	1256	1187	1105	1011	903	790	657	481	272	94.3	16.8	7.84	4.76	
30	1366	1347	1318	1280	1229	1166	1093	1010	918	818	710	580	396	213	67.4	14.5	7.47	4.76	
40	1221	1204	1176	1140	1089	1030	960	880	783	703	600	458	282	140	36.2	12.2	7.02	4.76	
50	978	966	948	927	895	851	781	725	668	600	533	422	282	162	65.6	18.3	10.0	6.57	4.76
60	551	552	536	503	486	468	418	391	323	263	191	119	58.1	20.6	11.6	8.11	6.10	4.76	
70	142	150	153	151	144	138	123	107	80.9	61.9	42.4	22.3	13.3	10.3	8.21	6.77	5.62	4.76	
80	20.4	20.1	19.7	19.2	18.5	17.7	16.2	14.7	13.0	11.3	9.64	8.07	7.46	6.89	6.32	5.75	5.20	4.76	
90	13.8	13.3	12.8	12.3	11.8	11.3	10.4	9.47	8.52	7.58	6.64	5.70	5.54	5.39	5.23	5.07	4.91	4.76	
100	7.52	7.32	7.17	7.08	7.02	7.03	6.78	6.44	6.03	5.58	5.12	4.71	4.61	4.55	4.53	4.56	4.64	4.76	
110	7.09	7.05	6.96	6.80	6.59	6.29	5.87	5.49	5.19	5.03	4.77	4.27	3.87	3.74	3.83	4.06	4.37	4.76	
120	9.05	8.95	8.78	8.54	8.25	7.96	7.67	7.34	6.88	6.21	5.57	5.16	4.68	4.05	3.55	3.55	4.11	4.76	
130	11.8	11.6	11.4	11.1	10.7	10.2	9.65	9.03	8.38	7.67	6.86	6.06	5.33	4.68	3.87	3.32	3.85	4.76	
140	13.9	13.8	13.5	13.2	12.7	12.2	11.5	10.8	9.93	9.09	8.14	7.13	6.10	5.17	4.29	3.39	3.62	4.76	
150	15.6	15.5	15.2	14.9	14.3	13.7	13.0	12.2	11.2	10.2	9.19	8.04	6.84	5.65	4.60	3.53	3.42	4.76	
160	17.0	16.8	16.5	16.0	15.5	15.1	14.1	13.2	12.3	11.1	9.97	8.74	7.41	6.07	4.83	3.66	3.26	4.76	
170	18.1	17.9	17.5	16.9	16.3	15.7	15.0	14.0	12.9	11.7	10.5	9.16	7.76	6.34	4.98	3.74	3.14	4.76	
180	18.9	18.7	18.2	17.6	16.9	16.2	15.3	14.3	13.2	12.0	10.7	9.33	7.88	6.44	5.02	3.74	3.07	4.76	

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:27 September 2019

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: