
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

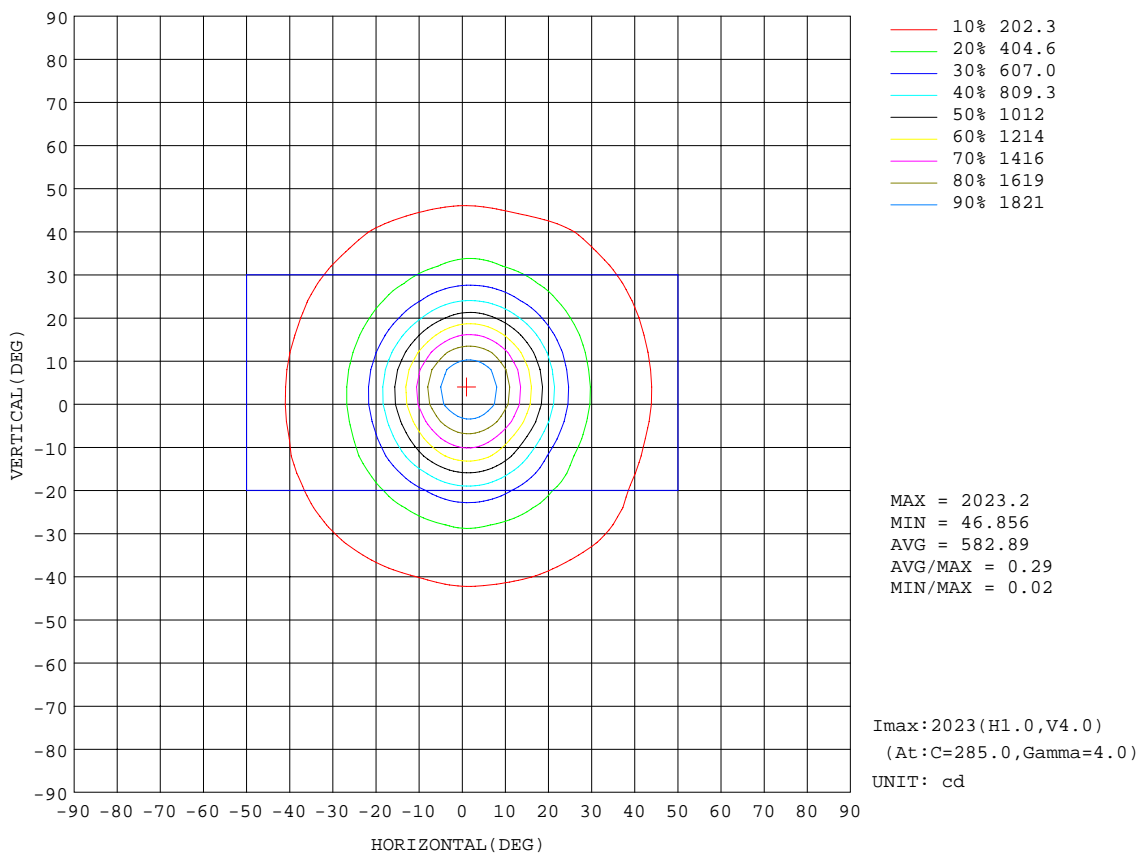
Maximum Intensity		1712.7 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal
Beam Spread	At 10% of I _{max}	88.3V x 84.9H
	At 50% of I _{max}	37.1V x 34.2H
	At 90% of I _{max}	14.1V x 13.0H
Beam Flux	Total	999.5 lumens per klm.
	To 10% of I _{max}	855.7 lumens per klm.
	To 50% of I _{max}	365.6 lumens per klm.
	To 90% of I _{max}	72.1 lumens per klm.
	Upward LOR	0.0 %
	Downward LOR	99.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:qcl
Test Date:2013-03-20

V(B) Range:-60 - 60DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.6181A P:48.77W PF:0.6578 Lamp Flux:1181.31x1 lm		
NAME: LED Wall Washer 5 Series	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201303020
MFR.: TPK	SUR.:	PROTECTION ANGLE:

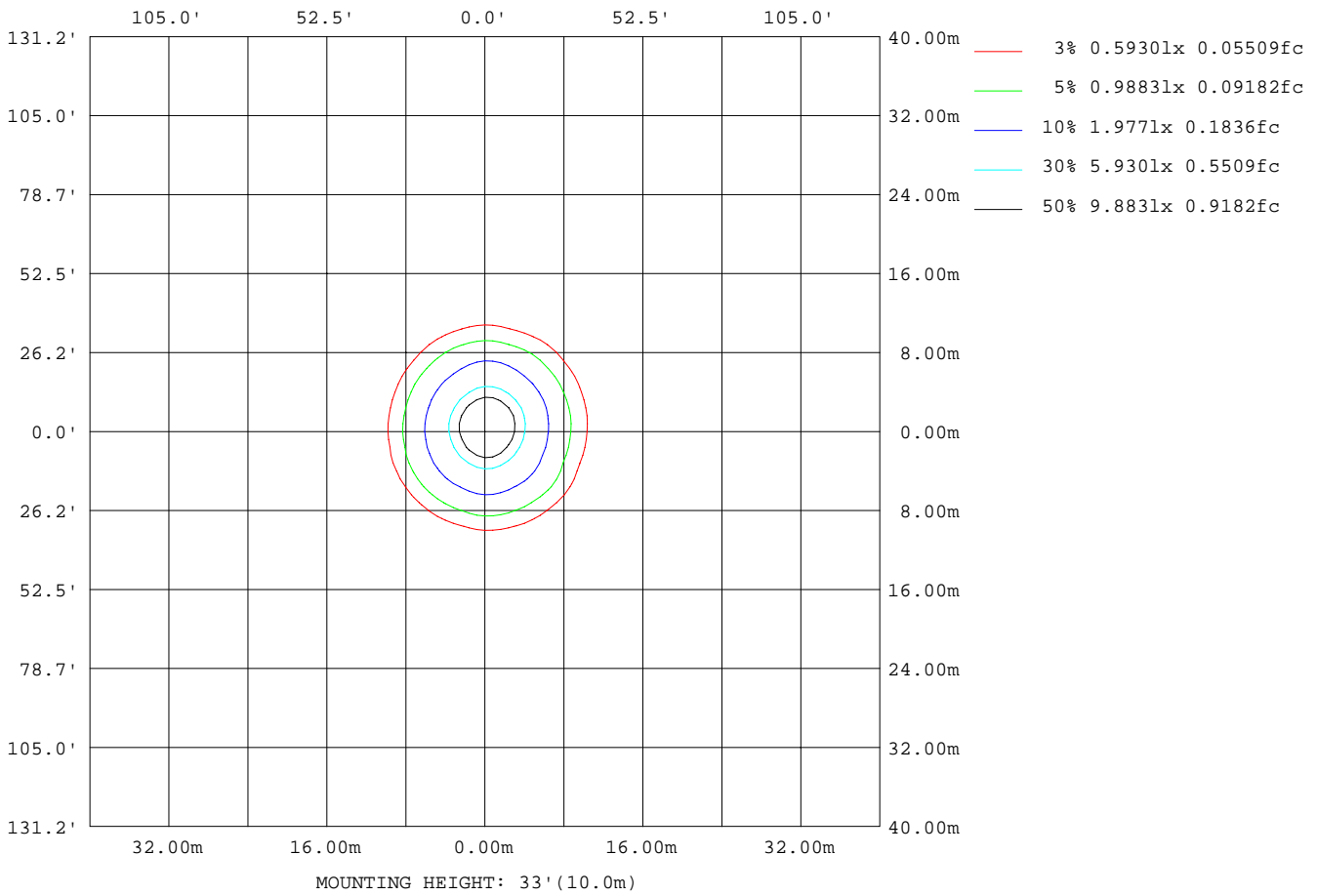


H(β) Range: -90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: qcl
 Test Date: 2013-03-20

V(B) Range: -60 - 60DEG
 V(B) Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.275
 Humidity: 65.0%
 Test Distance: 8.100m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.6181A P:48.77W PF:0.6578 Lamp Flux:1181.31x1 lm		
NAME: LED Wall Washer 5 Series	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201303020
MFR.: TPK	SUR.:	PROTECTION ANGLE:

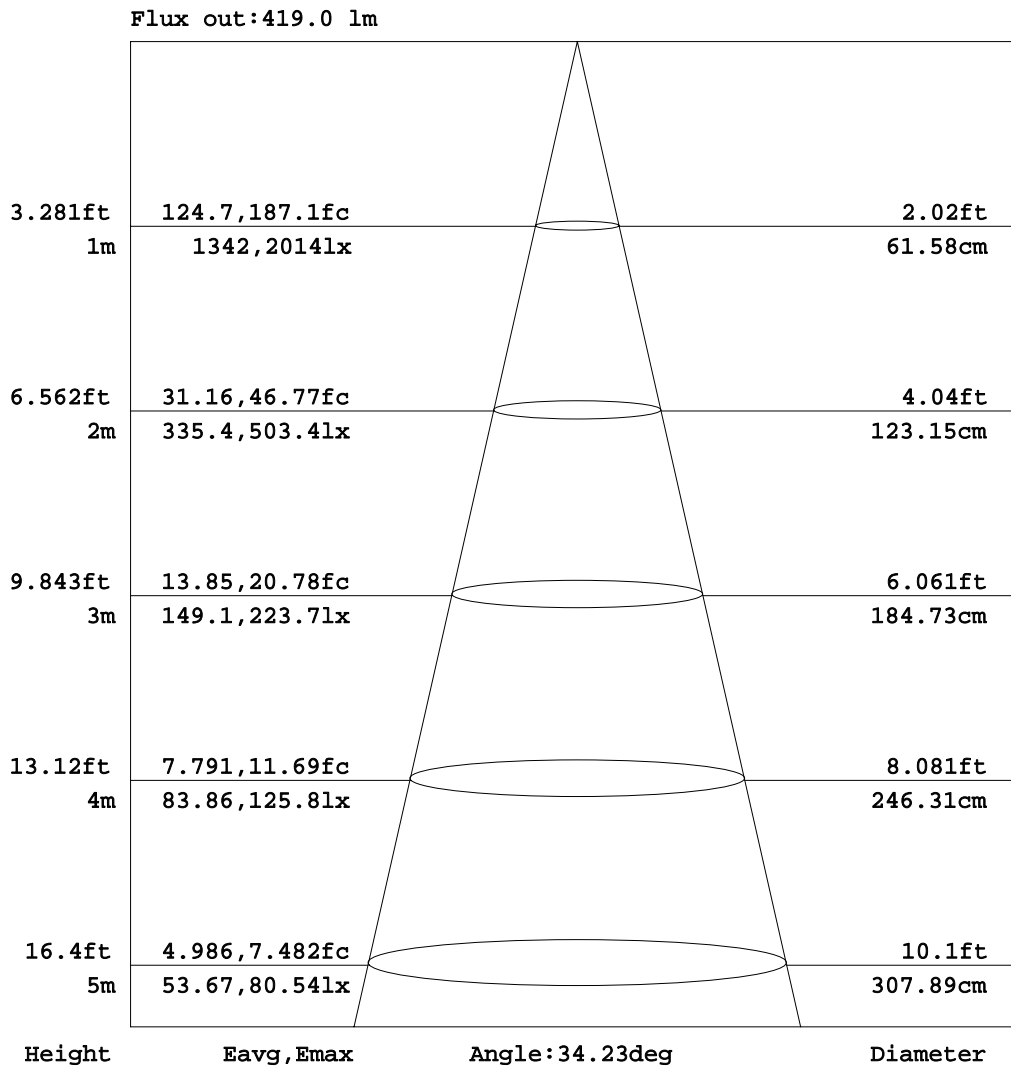


H(β) Range: -90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: qcl
Test Date: 2013-03-20

V(B) Range: -60 - 60DEG
V(B) Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity: 65.0%
Test Distance: 8.100m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.0V I:0.6181A P:48.77W PF:0.6578 Lamp Flux:1181.31x1 lm		
NAME: LED Wall Washer 5 Series	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201303020
MFR.: TPK	SUR.:	PROTECTION ANGLE:

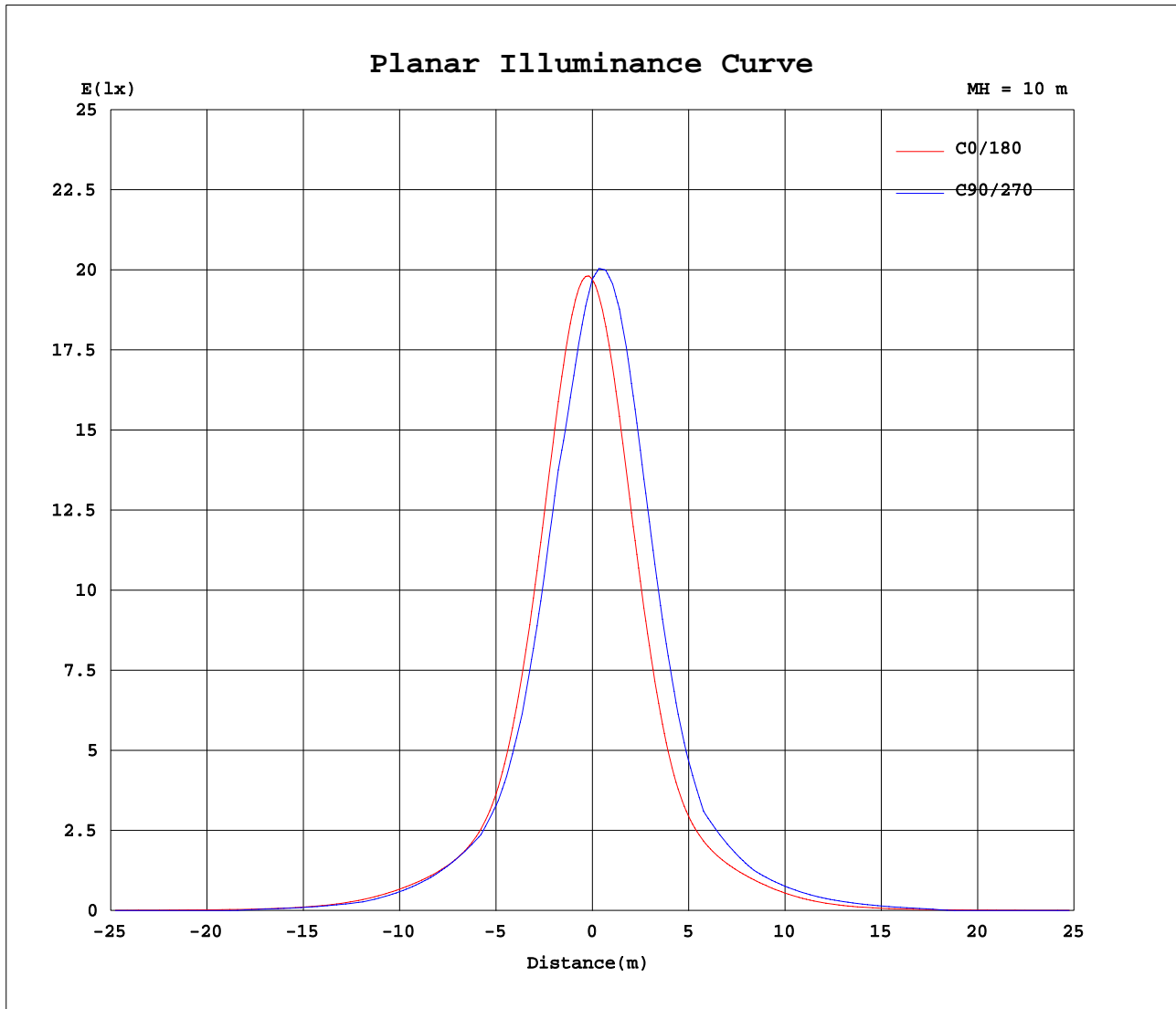


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:qcl
Test Date:2013-03-20

V(B) Range:-60 - 60DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:qcl
Test Date:2013-03-20

V(B) Range:-60 - 60DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.6181A P:48.77W PF:0.6578 Lamp Flux:1181.31x1 lm		
NAME: LED Wall Washer 5 Series	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201303020
MFR.: TPK	SUR.:	PROTECTION 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
-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
-85	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	0.00	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
-75	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
-70	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
-65	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
-60	0.00	0.00	0.00	0.53	2.35	3.57	4.77	6.57	8.72	10.8	13.2	15.8	18.6	21.4	24.1	26.5	28.8	30.8	32.1
-55	0.00	0.00	0.00	1.09	2.80	4.37	6.10	8.60	11.6	15.0	19.1	24.1	29.8	36.0	42.1	47.5	52.7	57.5	60.4
-50	0.00	0.00	0.00	1.92	3.46	5.58	8.11	11.6	15.9	21.2	27.9	36.5	46.7	57.9	69.0	79.0	88.5	97.6	103
-45	0.00	0.00	0.27	2.26	4.01	6.52	10.0	14.6	20.8	29.2	40.9	56.1	74.1	92.7	110	123	135	147	154
-40	0.00	0.00	0.69	2.78	4.83	7.92	12.9	19.0	28.1	41.2	60.2	85.5	115	145	170	189	205	221	231
-35	0.00	0.00	0.88	3.01	5.55	9.11	14.6	22.6	35.4	54.5	81.8	115	149	181	209	231	251	272	285
-30	0.00	0.00	1.17	3.36	6.65	10.9	17.2	28.0	46.4	74.5	114	158	201	236	267	294	321	349	366
-25	0.00	0.00	1.34	3.74	6.88	11.9	19.2	31.4	54.7	91.7	138	185	227	265	305	349	397	445	474
-20	0.00	0.00	1.65	4.00	7.10	12.4	21.7	38.9	68.2	114	167	218	262	310	376	467	575	678	741
-15	0.00	0.00	1.81	4.16	7.51	13.2	23.1	42.2	77.1	129	185	234	280	342	440	583	753	911	1000
-10	0.00	0.00	1.83	4.23	7.83	14.0	25.1	46.4	85.4	141	198	251	310	400	560	797	1069	1315	1441
-5	0.00	0.00	1.82	4.25	7.96	14.4	26.3	49.4	91.4	149	207	257	318	423	620	904	1227	1515	1663
0	0.00	0.00	1.73	4.13	7.89	14.5	26.8	51.1	95.0	155	214	266	334	460	702	1047	1437	1784	1970
5	0.00	0.00	1.66	4.01	7.72	14.3	26.5	50.7	94.3	154	213	266	333	460	706	1061	1464	1821	2013
10	0.00	0.00	1.50	3.76	7.32	13.6	25.2	47.9	89.0	147	205	257	318	428	639	952	1321	1659	1842
15	0.00	0.00	1.40	3.60	7.02	13.0	24.0	45.0	83.0	138	196	247	303	395	563	817	1123	1411	1573
20	0.00	0.00	1.18	3.27	6.34	11.7	21.1	38.5	70.1	119	175	227	276	339	440	593	785	977	1096
25	0.00	0.00	1.04	3.04	5.93	10.8	19.2	34.2	61.3	104	158	211	257	307	375	473	598	724	805
30	0.00	0.00	0.78	2.63	5.07	9.15	15.7	27.1	46.9	79.6	126	176	222	261	300	344	394	445	478
35	0.00	0.00	0.59	2.35	4.56	8.13	13.8	23.2	39.3	65.7	104	147	190	228	265	301	339	375	399
40	0.00	0.00	0.31	1.94	3.80	6.60	10.8	17.4	28.1	44.9	70.3	104	142	180	212	237	256	271	280
45	0.00	0.00	0.19	1.66	3.31	5.65	9.16	14.5	22.8	35.9	55.1	80.5	110	140	168	190	208	221	228
50	0.00	0.00	0.00	1.23	2.57	4.22	6.67	10.1	15.0	22.5	32.3	45.5	62.7	81.6	101	120	136	147	152
55	0.00	0.00	0.00	0.86	2.10	3.51	5.47	8.25	12.2	17.9	25.1	34.6	46.6	59.9	73.8	86.9	98.2	106	110
60	0.00	0.00	0.00	0.31	1.40	2.45	3.67	5.40	7.92	10.9	14.3	18.1	22.4	27.2	32.3	37.3	41.9	45.2	46.6
65	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
70	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
75	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	0.00	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
85	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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:qcl
Test Date:2013-03-20

V(B) Range:-60 - 60DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.6181A P:48.77W PF:0.6578 Lamp Flux:1181.31x1 lm		
NAME: LED Wall Washer 5 Series	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:201303020
MFR.: TPK	SUR.:	PROTECTION 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
-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
-85	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	0.00	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
-75	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
-70	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
-65	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
-60	32.3	31.6	30.0	27.8	25.1	22.2	19.3	16.6	14.0	11.6	8.95	5.84	4.13	3.16	2.36	1.30	0.13	0.08
-55	60.7	58.6	54.8	49.4	43.0	36.4	29.9	24.1	19.3	14.9	11.0	7.47	5.11	3.68	2.64	1.52	0.10	0.05
-50	103	99.1	92.0	81.9	69.9	57.5	45.8	35.5	27.2	19.8	14.2	9.93	6.60	4.46	3.08	1.85	0.05	0.00
-45	153	147	138	125	108	89.5	70.2	52.3	37.1	25.7	17.3	11.9	7.98	5.20	3.36	1.98	0.20	0.00
-40	228	219	207	189	165	138	107	77.5	52.0	34.4	22.0	14.9	10.1	6.30	3.79	2.17	0.42	0.00
-35	281	268	250	229	204	175	140	103	68.8	43.7	27.3	17.6	11.6	7.30	4.32	2.34	0.57	0.00
-30	361	340	315	289	261	230	189	142	94.0	57.7	35.3	21.7	13.8	8.80	5.11	2.59	0.79	0.00
-25	464	426	380	336	296	255	214	163	110	69.1	40.9	24.4	15.0	9.39	5.58	2.91	0.90	0.00
-20	722	638	527	422	348	292	239	188	137	87.1	50.6	29.2	17.3	10.4	6.16	3.38	1.07	0.00
-15	971	839	672	514	388	305	249	204	152	98.2	57.1	32.2	18.5	11.0	6.40	3.49	1.25	0.00
-10	1392	1173	901	651	458	342	274	223	171	115	66.5	36.4	20.3	11.7	6.69	3.57	1.31	0.00
-5	1625	1403	1081	765	516	366	285	231	180	122	70.9	38.3	21.0	11.9	6.76	3.58	1.30	0.00
0	1929	1664	1276	890	581	393	300	242	190	130	75.4	40.2	21.7	12.1	6.76	3.50	1.24	0.00
5	1962	1690	1298	907	589	397	301	243	190	130	75.4	40.1	21.5	11.9	6.61	3.42	1.22	0.00
10	1805	1562	1201	842	552	380	293	238	186	126	73.3	38.9	20.7	11.4	6.31	3.23	1.14	0.00
15	1541	1332	1030	733	499	358	281	229	177	119	68.9	36.7	19.7	11.0	6.06	3.11	1.10	0.00
20	1076	933	740	551	407	316	260	213	160	105	61.1	33.4	18.1	10.2	5.68	2.90	1.00	0.00
25	791	695	568	448	352	288	241	196	145	92.8	54.1	30.3	16.7	9.58	5.37	2.78	0.97	0.00
30	473	434	384	334	289	249	211	167	119	74.9	44.3	25.9	14.8	8.67	4.93	2.55	0.85	0.00
35	394	365	329	293	257	220	183	142	100.0	63.3	38.0	22.7	13.2	7.89	4.55	2.39	0.79	0.00
40	276	263	247	231	208	177	141	104	71.1	46.0	28.6	18.0	10.9	6.73	3.99	2.14	0.70	0.00
45	225	213	199	185	165	140	111	81.9	56.9	37.9	24.3	15.7	9.77	6.18	3.68	1.95	0.60	0.00
50	148	138	128	117	102	83.7	65.3	48.9	35.7	25.7	17.8	12.3	8.12	5.37	3.21	1.66	0.45	0.00
55	107	100	93.2	85.2	74.7	62.0	49.2	37.6	28.0	20.6	14.7	10.4	7.03	4.68	2.90	1.55	0.29	0.00
60	46.0	43.8	41.1	37.9	34.0	29.6	24.9	20.5	16.5	13.1	10.2	7.67	5.38	3.65	2.44	1.38	0.04	0.00
65	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
70	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
75	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	0.00	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
85	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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:qcl
Test Date:2013-03-20

V(B) Range:-60 - 60DEG
V(B) Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:8.100m [K=1.0000]
Remarks: