Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P821372

Luminaire Tested: **TT-D3-750-24VDC-MQ-HSS**

Issue Date: 12/2/2020

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P821372
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-017-1)
Test Lab:	INNOVATION CENTER
Issue Date:	12/2/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	TT-D3-750-24VDC-MQ-HSS
Description:	TOPTIER LED PARKING GARAGE LUMINAIRE
	5000K, 70 CRI LEDS AND MEDIUM DISTRIBUTION WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5658.9 lumens
Efficiency:	N/A
Efficacy:	123.0 lumens/watt
Luminous Opening:	Circular (Dia: 1.12' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U2 - G2

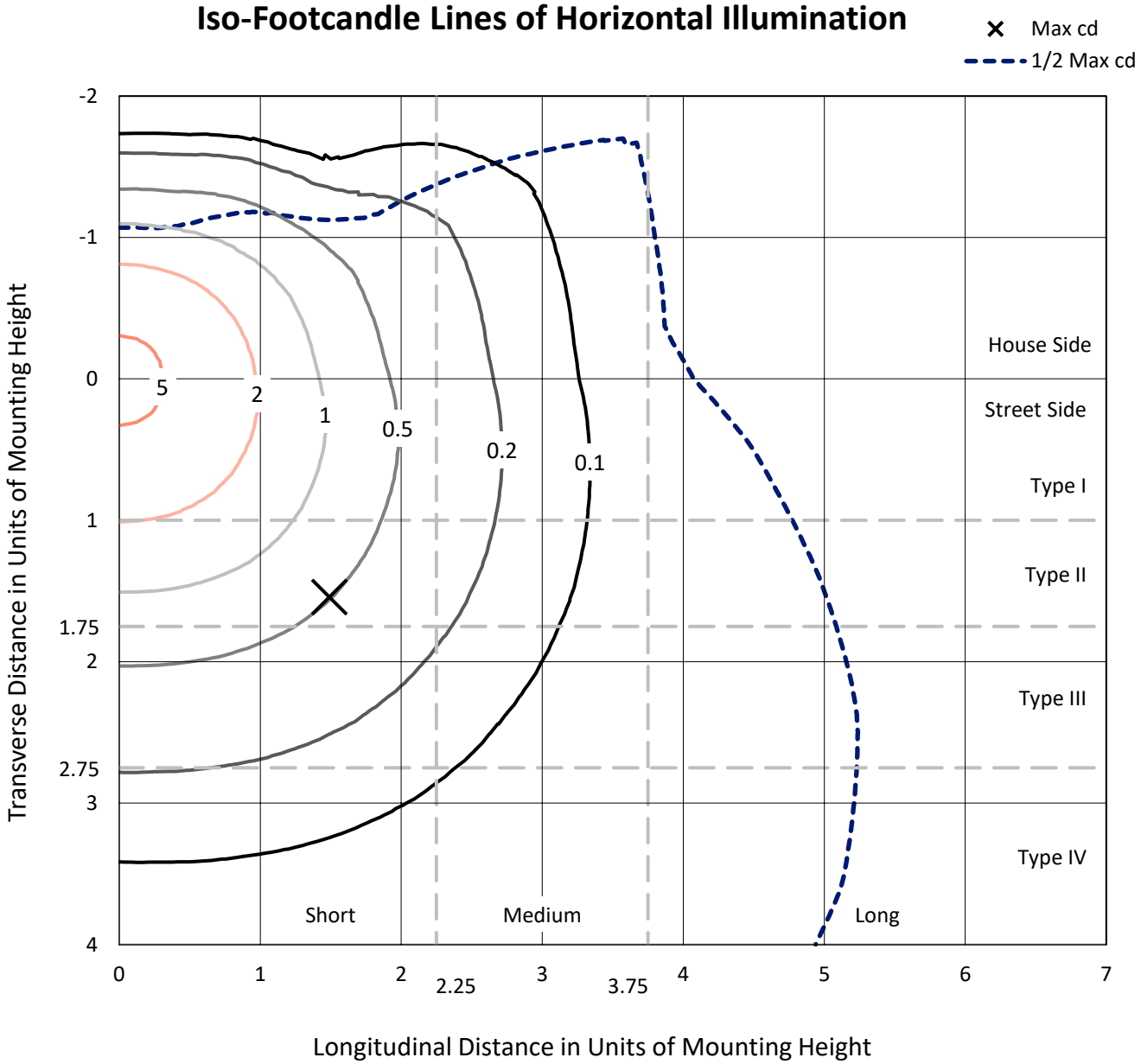
Input Watts (W):	46
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

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REPORT NUMBER: P821372
CATALOG NUMBER: TT-D3-750-24VDC-MQ-HSS

Iso-Footcandle Lines of Horizontal Illumination



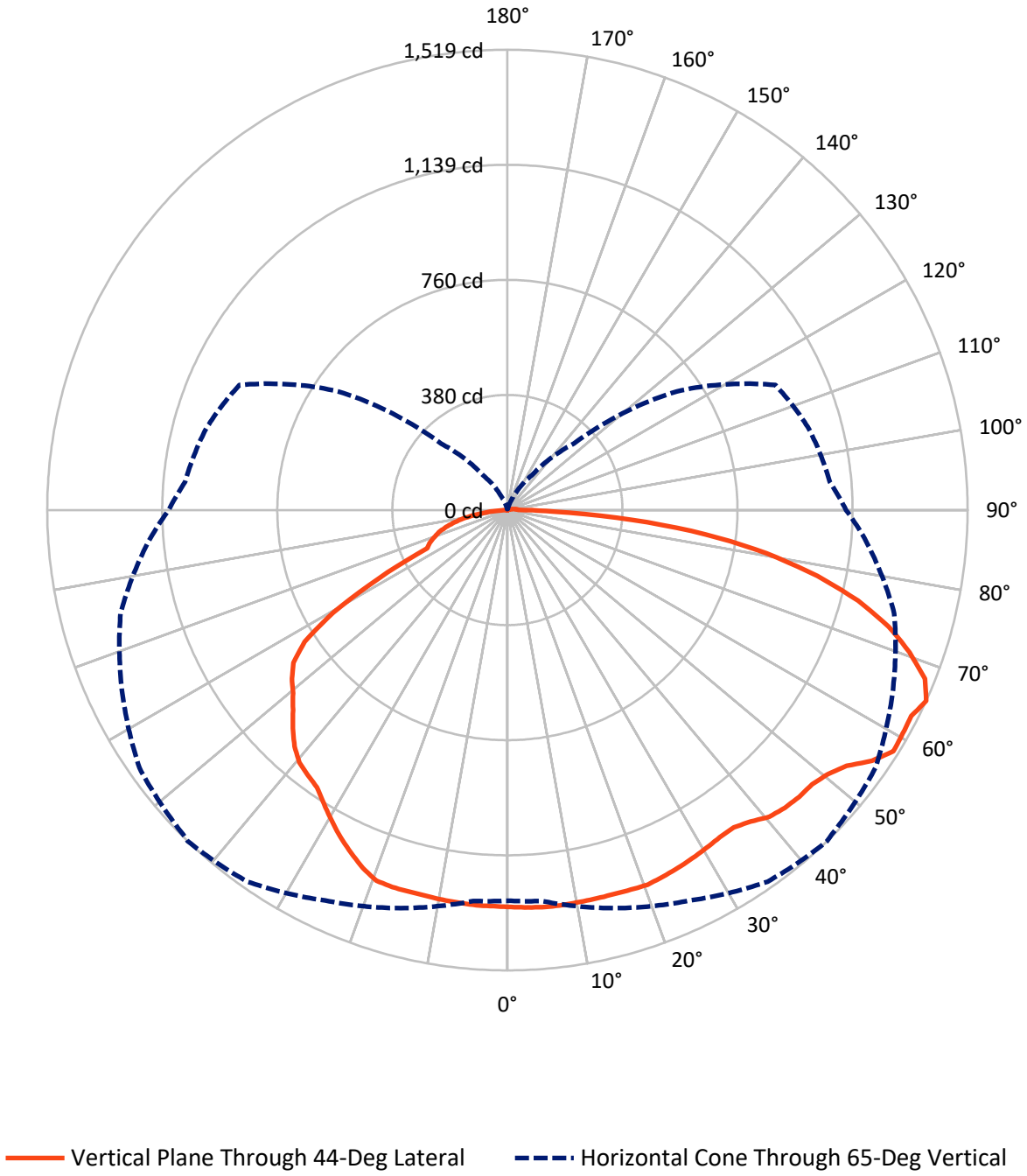
Based on 15 foot mounting height. Maximum calculated value = 5.8 fc
Type IV - Short - N/A

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REPORT NUMBER: P821372
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Luminous Intensity Polar Plot



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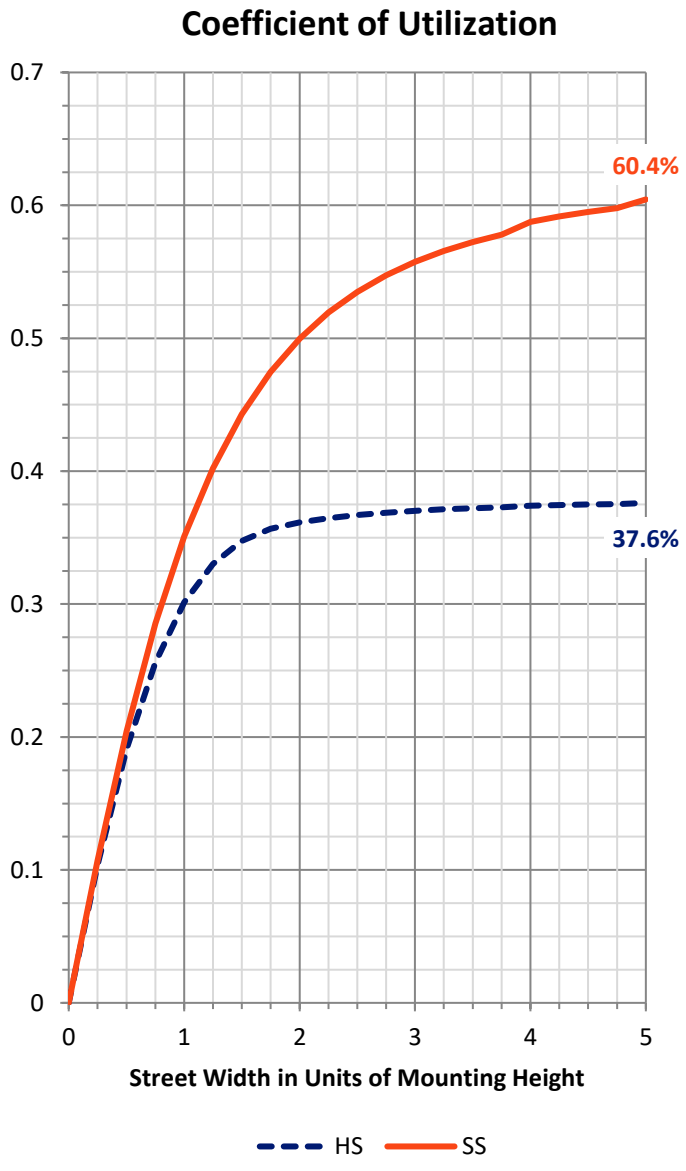
REPORT NUMBER: P821372
CATALOG NUMBER: TT-D3-750-24VDC-MQ-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2142.7	1.5	2144.2
	% Fixture	37.9	0.0	37.9
Street Side	Lumens	3495.5	19.2	3514.7
	% Fixture	61.8	0.3	62.1
Total	Lumens	5638.2	20.7	5658.9
	% Fixture	99.6	0.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	2.2
10°-20°	370.3	6.5
20°-30°	589.3	10.4
30°-40°	755.0	13.3
40°-50°	894.5	15.8
50°-60°	979.6	17.3
60°-70°	931.2	16.5
70°-80°	741.4	13.1
80°-90°	251.9	4.5
90°-100°	13.3	0.2
100°-110°	4.4	0.1
110°-120°	1.0	0.0
120°-130°	0.6	0.0
130°-140°	0.5	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5638.2	99.6
0°-180°	5658.9	100.0



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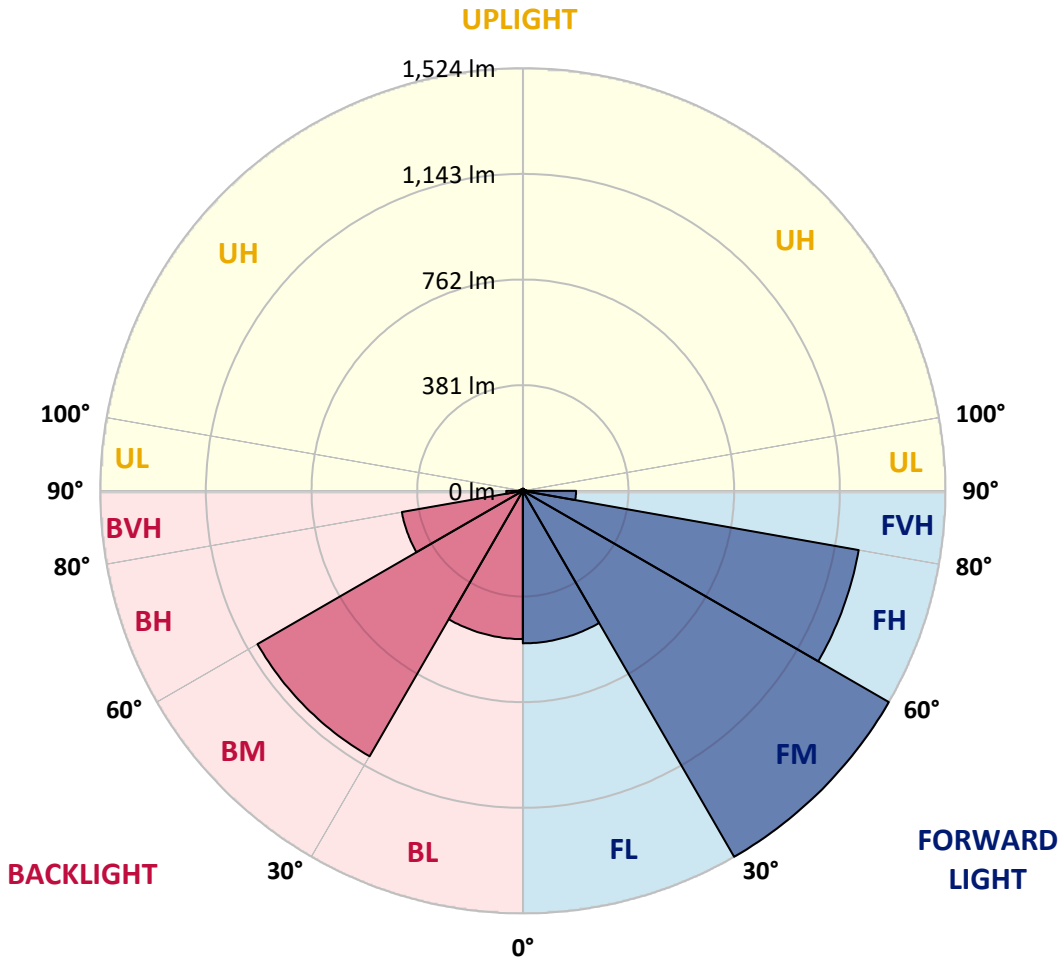
Scaled Data Report

REPORT NUMBER: P821372
CATALOG NUMBER: TT-D3-750-24VDC-MQ-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	550.0	9.7			
FM	(30°-60°)	1523.9	26.9			
FH	(60°-80°)	1229.7	21.7			G1/1800
FVH	(80°-90°)	191.8	3.4			G2/225
BL	(0°-30°)	534.7	9.4	B2/1000		
BM	(30°-60°)	1105.2	19.5	B2/2500		
BH	(60°-80°)	442.8	7.8	B1/500		G1/500
BVH	(80°-90°)	60.0	1.1			G1/100
UL	(90°-100°)	13.3	0.2		U2/50	
UH	(100°-180°)	7.4	0.1		U1/10	

BUG Rating: B2-U2-G2
Type IV Short



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REPORT NUMBER: P821372
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310
2.5°	1315	1314	1314	1314	1314	1313	1314	1312	1313	1310	1310
5°	1318	1316	1317	1317	1317	1316	1317	1314	1315	1311	1310
7.5°	1319	1318	1318	1318	1318	1316	1317	1315	1314	1311	1309
10°	1319	1318	1318	1318	1317	1315	1316	1313	1313	1309	1307
12.5°	1319	1318	1319	1317	1317	1315	1315	1312	1312	1307	1305
15°	1318	1317	1317	1318	1317	1315	1315	1312	1311	1305	1303
17.5°	1317	1316	1317	1318	1319	1317	1318	1313	1311	1305	1302
20°	1318	1317	1318	1320	1320	1320	1320	1315	1311	1305	1300
22.5°	1315	1315	1315	1315	1317	1314	1314	1311	1306	1301	1296
25°	1308	1308	1309	1310	1310	1308	1307	1304	1300	1294	1288
27.5°	1300	1300	1301	1301	1303	1301	1300	1296	1292	1285	1278
30°	1291	1291	1291	1293	1294	1294	1293	1288	1283	1275	1266
32.5°	1281	1281	1284	1286	1287	1287	1287	1281	1275	1265	1252
35°	1273	1273	1277	1284	1288	1286	1285	1281	1272	1261	1240
37.5°	1278	1278	1287	1297	1306	1304	1304	1297	1285	1267	1241
40°	1290	1291	1305	1318	1329	1331	1331	1323	1305	1282	1246
42.5°	1293	1295	1309	1328	1338	1343	1343	1332	1313	1286	1244
45°	1293	1294	1310	1330	1346	1350	1350	1338	1314	1288	1237
47.5°	1293	1292	1306	1334	1350	1353	1353	1340	1317	1284	1227
50°	1290	1295	1316	1338	1366	1370	1369	1355	1323	1289	1219
52.5°	1297	1296	1324	1368	1393	1402	1403	1385	1352	1303	1214
55°	1326	1327	1354	1405	1443	1460	1458	1435	1388	1331	1228
57.5°	1336	1346	1385	1429	1487	1502	1502	1474	1417	1353	1238
60°	1316	1320	1368	1443	1496	1499	1500	1480	1420	1341	1218
62.5°	1311	1319	1356	1440	1474	1496	1495	1468	1417	1332	1211
65°	1289	1295	1360	1422	1497	1519	1514	1483	1404	1322	1189
67.5°	1244	1250	1310	1397	1465	1486	1491	1455	1373	1275	1142
70°	1169	1178	1239	1324	1396	1408	1406	1384	1302	1197	1073
72.5°	1064	1078	1155	1236	1298	1316	1308	1283	1216	1103	979
75°	953	966	1027	1118	1183	1195	1189	1159	1091	980	868
77.5°	832	843	895	988	1036	1046	1049	1009	945	845	745
80°	669	674	744	805	847	867	865	835	771	688	588
82.5°	494	498	552	604	642	660	650	620	569	498	422
85°	303	296	340	379	402	414	404	387	342	286	233
87.5°	109	103	123	129	155	151	160	129	104	74	52
90°	48	48	47	45	41	37	36	30	22	14	5
92.5°	44	44	43	41	37	33	33	27	20	13	5
95°	37	37	36	34	31	28	28	22	17	11	4
97.5°	29	29	28	27	24	22	22	18	13	8	3
100°	22	22	21	20	19	17	16	13	10	6	2
102.5°	16	16	16	15	13	12	12	10	7	5	2
105°	11	11	11	10	9	8	8	7	5	3	1
107.5°	7	7	7	7	6	5	5	4	3	2	1
110°	4	3	4	4	4	3	3	2	2	1	1

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REPORT NUMBER: P821372
CATALOG NUMBER: TT-D3-750-24VDC-MQ-HSS

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
112.5°	2	2	2	2	2	2	2	1	1	1	1
115°	1	1	1	2	2	1	1	1	1	1	1
117.5°	0	1	1	1	1	1	1	1	1	1	1
120°	0	0	1	1	1	1	1	1	1	1	1
122.5°	0	0	0	1	1	1	1	1	1	1	1
125°	0	0	0	1	1	1	1	1	1	1	1
127.5°	0	0	0	1	1	1	1	1	1	1	1
130°	0	0	0	1	1	1	1	1	1	1	1
132.5°	0	0	0	1	1	1	1	1	1	1	1
135°	0	0	0	0	1	1	1	1	1	1	1
137.5°	0	0	0	0	1	1	1	1	1	1	1
140°	0	1	1	0	0	1	1	1	1	1	1
142.5°	1	1	1	1	1	1	1	1	1	1	1
145°	1	1	1	1	1	1	1	1	1	1	1
147.5°	1	1	0	0	1	1	1	1	1	1	1
150°	1	1	1	0	0	1	1	1	1	1	1
152.5°	1	1	1	1	1	1	1	1	1	1	1
155°	1	1	1	1	1	1	1	1	1	1	1
157.5°	1	1	1	0	1	1	1	1	1	1	1
160°	1	1	1	1	1	1	1	1	1	1	1
162.5°	1	1	1	1	1	1	1	1	1	1	1
165°	1	1	1	1	1	1	1	1	1	1	1
167.5°	1	1	1	1	1	1	1	1	1	1	1
170°	1	1	1	1	1	1	1	1	1	1	1
172.5°	1	1	1	1	1	1	1	1	1	1	1
175°	1	1	1	1	1	1	1	1	1	1	1
177.5°	1	1	1	1	1	1	1	1	1	1	1
180°	1	1	1	1	1	1	1	1	1	1	1

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REPORT NUMBER: P821372
CATALOG NUMBER: TT-D3-750-24VDC-MQ-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310
2.5°	1310	1309	1308	1309	1308	1308	1307	1307	1306	1306	1305
5°	1310	1309	1308	1309	1307	1308	1308	1307	1306	1305	1304
7.5°	1309	1309	1307	1308	1306	1306	1305	1305	1304	1304	1303
10°	1307	1306	1306	1306	1304	1304	1303	1302	1302	1301	1300
12.5°	1305	1304	1303	1303	1302	1301	1300	1300	1299	1298	1297
15°	1302	1301	1301	1301	1300	1300	1299	1298	1296	1295	1294
17.5°	1301	1300	1301	1301	1300	1301	1299	1297	1295	1294	1293
20°	1300	1300	1300	1299	1298	1297	1296	1295	1294	1293	1292
22.5°	1295	1294	1292	1286	1279	1274	1273	1275	1275	1275	1272
25°	1286	1283	1275	1264	1252	1244	1239	1239	1238	1236	1235
27.5°	1275	1269	1255	1241	1224	1214	1202	1195	1192	1191	1189
30°	1260	1251	1233	1215	1194	1180	1161	1149	1142	1139	1137
32.5°	1242	1233	1212	1190	1165	1145	1121	1102	1089	1083	1080
35°	1230	1217	1193	1167	1142	1113	1084	1058	1038	1031	1027
37.5°	1225	1213	1187	1161	1133	1098	1064	1027	1000	988	984
40°	1228	1213	1184	1156	1123	1084	1039	993	958	941	937
42.5°	1221	1204	1170	1140	1099	1055	1000	947	900	886	880
45°	1209	1188	1151	1113	1070	1016	959	891	835	818	813
47.5°	1197	1168	1124	1089	1037	974	907	831	761	744	741
50°	1179	1152	1105	1064	1011	938	862	767	688	659	651
52.5°	1171	1136	1091	1059	995	912	816	714	600	564	556
55°	1179	1135	1087	1056	982	879	761	631	499	461	450
57.5°	1165	1127	1079	1044	948	811	681	514	377	328	324
60°	1147	1093	1048	1016	877	683	530	366	227	185	177
62.5°	1140	1084	1032	993	782	502	323	185	94	66	60
65°	*1118*	*1068*	*1031*	*976*	*683*	*310*	*139*	*55*	*4*	*3*	*3*
67.5°	1076	1025	1000	968	673	296	126	50	2	0	0
70°	1004	964	947	930	644	274	115	45	1	0	0
72.5°	909	882	879	877	602	253	103	40	1	0	0
75°	814	781	786	798	550	224	89	35	1	0	0
77.5°	694	670	682	702	482	190	73	28	1	0	0
80°	546	530	557	575	394	151	55	20	0	0	0
82.5°	388	379	404	427	293	107	38	13	0	0	0
85°	209	204	228	253	176	61	19	6	0	0	0
87.5°	52	48	49	59	43	13	3	1	0	0	0
90°	1	1	1	1	0	0	0	0	0	0	0
92.5°	1	1	1	1	0	0	0	0	0	0	0
95°	1	1	1	1	0	0	0	0	0	0	0
97.5°	1	1	1	1	1	0	0	0	0	0	0
100°	1	1	1	1	1	1	0	0	0	0	0
102.5°	1	1	1	1	0	0	0	0	0	0	0
105°	1	1	1	1	0	0	0	0	0	0	0
107.5°	1	1	1	1	1	1	0	0	0	0	0
110°	1	1	1	1	1	1	0	0	0	0	0

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REPORT NUMBER: P821372
CATALOG NUMBER: TT-D3-750-24VDC-MQ-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1	1	1	1	1	1	0	0	0	0	0
115°	1	1	1	1	1	1	0	0	0	0	0
117.5°	1	1	1	1	1	0	0	0	0	0	0
120°	1	1	1	1	1	1	0	0	0	0	0
122.5°	1	1	1	1	1	1	0	0	0	0	0
125°	1	1	1	1	1	1	0	0	0	0	0
127.5°	1	1	1	1	1	1	0	0	0	0	0
130°	1	1	1	1	1	0	0	0	0	0	0
132.5°	1	1	1	1	1	1	0	0	0	0	0
135°	1	1	1	1	1	0	0	0	0	0	0
137.5°	1	1	1	1	1	0	0	0	0	0	0
140°	1	1	1	1	1	0	0	0	0	0	0
142.5°	1	1	1	1	1	0	0	0	0	0	0
145°	1	1	1	1	1	1	0	0	0	0	0
147.5°	1	1	1	1	1	0	0	0	0	0	0
150°	1	1	1	1	1	0	0	0	0	0	0
152.5°	1	1	1	1	1	0	0	0	0	0	0
155°	1	1	1	1	1	0	0	0	0	0	0
157.5°	1	1	1	1	1	0	0	0	0	0	0
160°	1	1	1	1	1	1	0	0	0	0	0
162.5°	1	1	1	1	1	1	0	0	0	0	0
165°	1	1	1	1	1	1	0	0	0	0	0
167.5°	1	1	1	1	1	1	0	0	0	0	0
170°	1	1	1	1	1	1	0	0	0	0	0
172.5°	1	1	1	1	1	1	0	0	0	0	0
175°	1	1	1	1	1	1	0	0	0	0	0
177.5°	1	1	1	1	1	1	0	0	0	0	0
180°	1	1	1	1	1	1	1	1	1	1	1

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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2407-176-6

Test Date: 09/26/2024

Luminaire Tested: MEM2-HTN-VA-30-750-U-WQ

Data in this report applies to families of products including MEM2-HTN-VA-30-750-U-WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

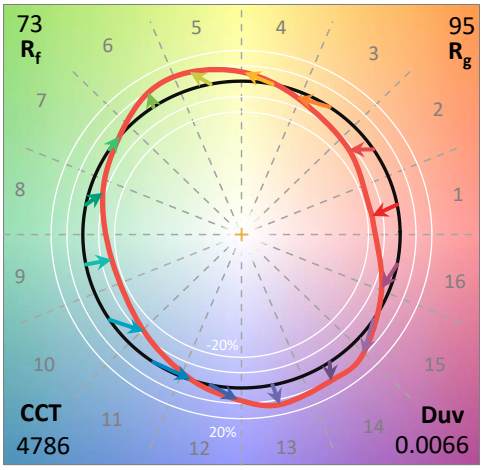
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-176-6
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	09/27/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**MEM2-HTN-VA-30-750-U-WQ**
Description:	EPIC MODERN VISUAL COMFORT 30W WAVESTREAM WIDE

Spectral Parameters

CCT (K):	4786
CIE u':	0.2093
CIE v':	0.4953
Duv:	0.0066
CIE x:	0.3533
CIE y:	0.3716
CIE z:	0.2751
Peak Wavelength (nm):	449
Dominant Wavelength (nm):	570
Purity:	17.53512
Rf:	73
Rg:	94.6

CRI (Ra):	70.9				
R1:	67.8	R9:	-29.8		
R2:	75.1	R10:	40.9		
R3:	80.6	R11:	67.4		
R4:	71.6	R12:	35.3		
R5:	67.8	R13:	68.5		
R6:	65.4	R14:	89.0		
R7:	82.0	R15:	60.9		
R8:	57.0				



Test Conditions

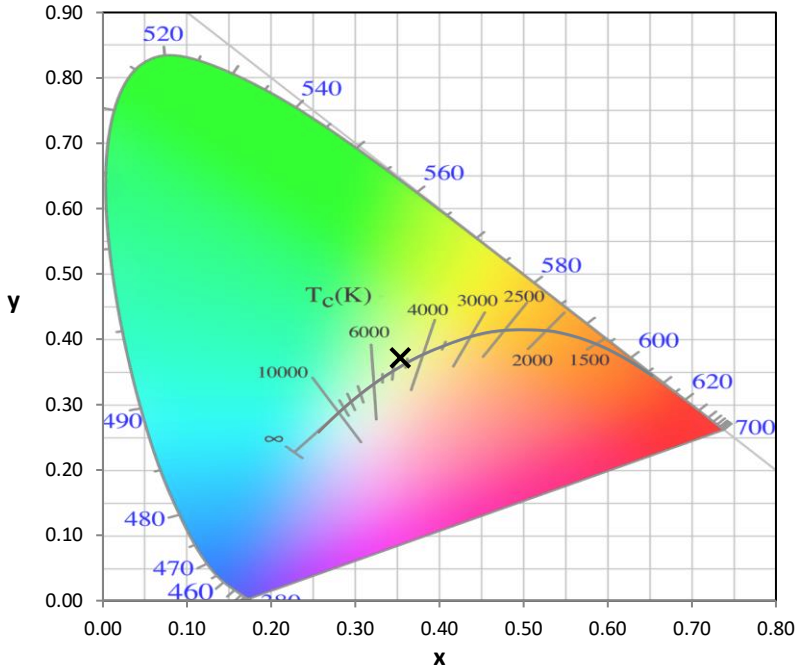
Stabilization Time:	45M
Operation Time:	1H 45M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-176-6

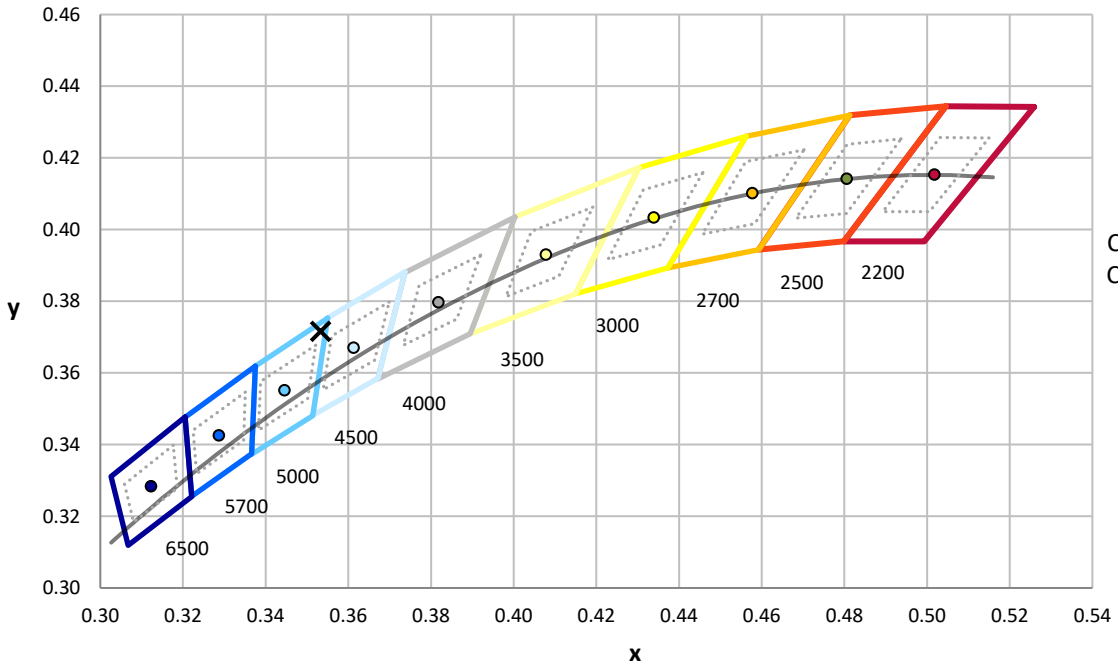
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2407-176-6

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

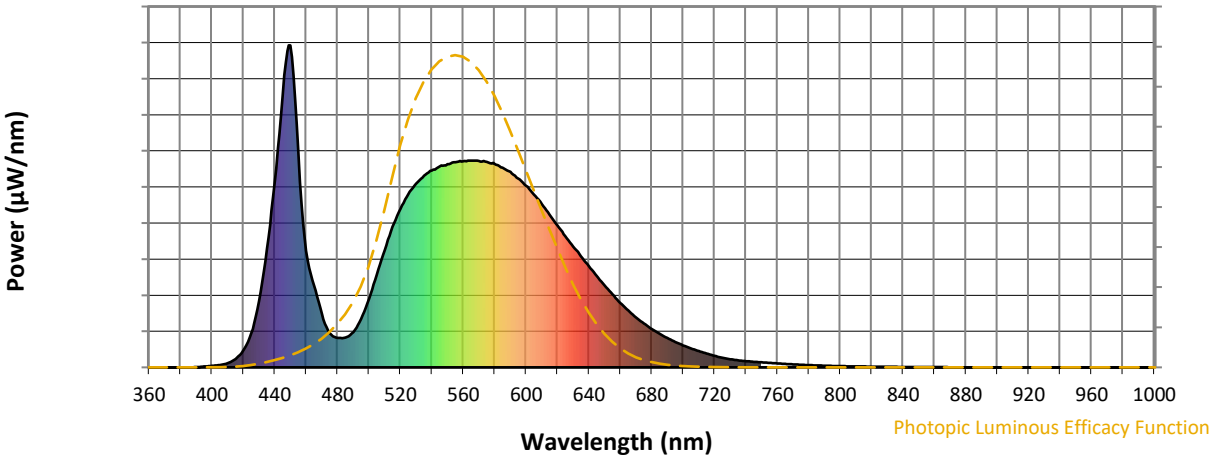


CCT = 4786K
CIE x = 0.3533
CIE y = 0.3716
Duv = 0.0066

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-176-6

Photopic Flux vs. Wavelength

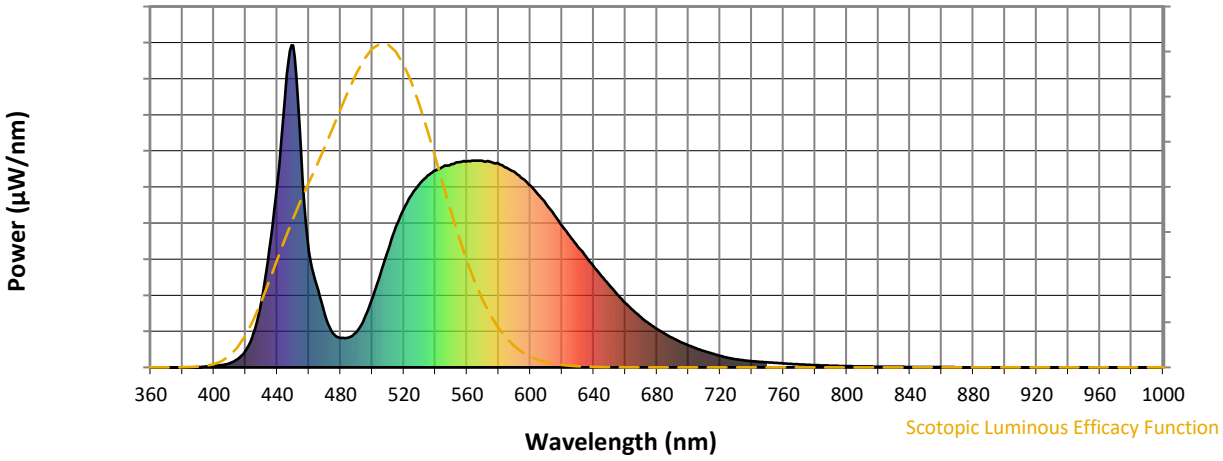


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	110	NR	620	440	NR	750	16	NR	880	0	NR
365	0	NR	495	150	NR	625	407	NR	755	14	NR	885	0	NR
370	0	NR	500	213	NR	630	375	NR	760	12	NR	890	0	NR
375	0	NR	505	288	NR	635	345	NR	765	11	NR	895	0	NR
380	0	NR	510	364	NR	640	314	NR	770	9	NR	900	0	NR
385	0	NR	515	436	NR	645	283	NR	775	8	NR	905	0	NR
390	1	NR	520	492	NR	650	254	NR	780	7	NR	910	0	NR
395	3	NR	525	537	NR	655	227	NR	785	6	NR	915	0	NR
400	5	NR	530	570	NR	660	200	NR	790	5	NR	920	0	NR
405	7	NR	535	595	NR	665	177	NR	795	4	NR	925	0	NR
410	13	NR	540	611	NR	670	155	NR	800	4	NR	930	0	NR
415	25	NR	545	624	NR	675	136	NR	805	3	NR	935	0	NR
420	52	NR	550	631	NR	680	119	NR	810	3	NR	940	0	NR
425	106	NR	555	637	NR	685	104	NR	815	3	NR	945	0	NR
430	204	NR	560	640	NR	690	91	NR	820	2	NR	950	0	NR
435	369	NR	565	642	NR	695	79	NR	825	2	NR	955	0	NR
440	573	NR	570	641	NR	700	68	NR	830	2	NR	960	0	NR
445	844	NR	575	638	NR	705	59	NR	835	2	NR	965	0	NR
450	999	NR	580	632	NR	710	50	NR	840	1	NR	970	0	NR
455	668	NR	585	620	NR	715	43	NR	845	1	NR	975	0	NR
460	361	NR	590	607	NR	720	36	NR	850	1	NR	980	0	NR
465	255	NR	595	586	NR	725	30	NR	855	1	NR	985	0	NR
470	165	NR	600	564	NR	730	25	NR	860	1	NR	990	0	NR
475	106	NR	605	537	NR	735	22	NR	865	1	NR	995	0	NR
480	91	NR	610	507	NR	740	19	NR	870	0	NR	1000	0	NR
485	93	NR	615	474	NR	745	17	NR	875	0	NR			

REPORT NUMBER: SP1-2407-176-6

Scotopic Flux vs. Wavelength

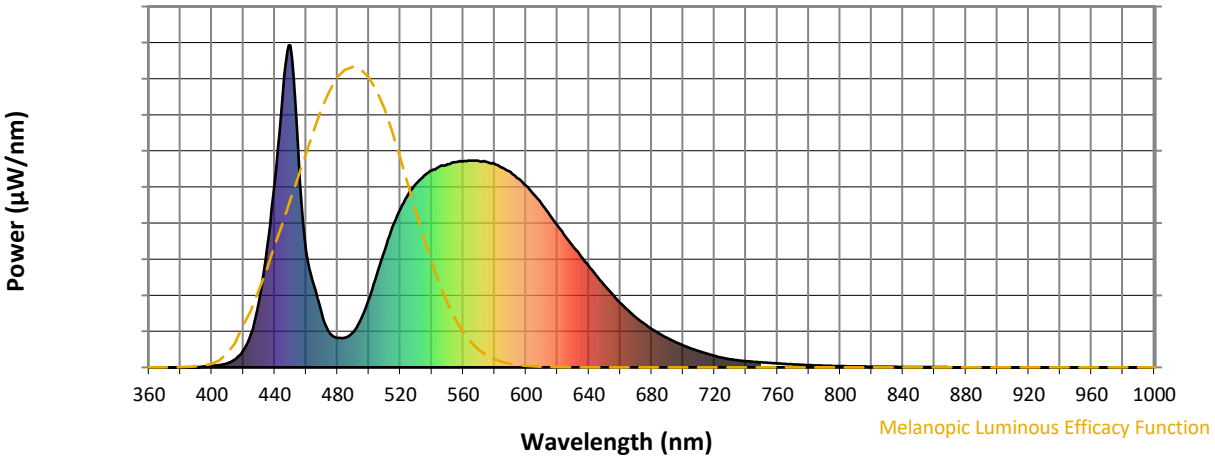


Scotopic Lumens: NR **S/P: 1.69**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	110	NR	620	440	NR	750	16	NR	880	0	NR
365	0	NR	495	150	NR	625	407	NR	755	14	NR	885	0	NR
370	0	NR	500	213	NR	630	375	NR	760	12	NR	890	0	NR
375	0	NR	505	288	NR	635	345	NR	765	11	NR	895	0	NR
380	0	NR	510	364	NR	640	314	NR	770	9	NR	900	0	NR
385	0	NR	515	436	NR	645	283	NR	775	8	NR	905	0	NR
390	1	NR	520	492	NR	650	254	NR	780	7	NR	910	0	NR
395	3	NR	525	537	NR	655	227	NR	785	6	NR	915	0	NR
400	5	NR	530	570	NR	660	200	NR	790	5	NR	920	0	NR
405	7	NR	535	595	NR	665	177	NR	795	4	NR	925	0	NR
410	13	NR	540	611	NR	670	155	NR	800	4	NR	930	0	NR
415	25	NR	545	624	NR	675	136	NR	805	3	NR	935	0	NR
420	52	NR	550	631	NR	680	119	NR	810	3	NR	940	0	NR
425	106	NR	555	637	NR	685	104	NR	815	3	NR	945	0	NR
430	204	NR	560	640	NR	690	91	NR	820	2	NR	950	0	NR
435	369	NR	565	642	NR	695	79	NR	825	2	NR	955	0	NR
440	573	NR	570	641	NR	700	68	NR	830	2	NR	960	0	NR
445	844	NR	575	638	NR	705	59	NR	835	2	NR	965	0	NR
450	999	NR	580	632	NR	710	50	NR	840	1	NR	970	0	NR
455	668	NR	585	620	NR	715	43	NR	845	1	NR	975	0	NR
460	361	NR	590	607	NR	720	36	NR	850	1	NR	980	0	NR
465	255	NR	595	586	NR	725	30	NR	855	1	NR	985	0	NR
470	165	NR	600	564	NR	730	25	NR	860	1	NR	990	0	NR
475	106	NR	605	537	NR	735	22	NR	865	1	NR	995	0	NR
480	91	NR	610	507	NR	740	19	NR	870	0	NR	1000	0	NR
485	93	NR	615	474	NR	745	17	NR	875	0	NR			

REPORT NUMBER: SP1-2407-176-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.36**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	110	NR	620	440	NR	750	16	NR	880	0	NR
365	0	NR	495	150	NR	625	407	NR	755	14	NR	885	0	NR
370	0	NR	500	213	NR	630	375	NR	760	12	NR	890	0	NR
375	0	NR	505	288	NR	635	345	NR	765	11	NR	895	0	NR
380	0	NR	510	364	NR	640	314	NR	770	9	NR	900	0	NR
385	0	NR	515	436	NR	645	283	NR	775	8	NR	905	0	NR
390	1	NR	520	492	NR	650	254	NR	780	7	NR	910	0	NR
395	3	NR	525	537	NR	655	227	NR	785	6	NR	915	0	NR
400	5	NR	530	570	NR	660	200	NR	790	5	NR	920	0	NR
405	7	NR	535	595	NR	665	177	NR	795	4	NR	925	0	NR
410	13	NR	540	611	NR	670	155	NR	800	4	NR	930	0	NR
415	25	NR	545	624	NR	675	136	NR	805	3	NR	935	0	NR
420	52	NR	550	631	NR	680	119	NR	810	3	NR	940	0	NR
425	106	NR	555	637	NR	685	104	NR	815	3	NR	945	0	NR
430	204	NR	560	640	NR	690	91	NR	820	2	NR	950	0	NR
435	369	NR	565	642	NR	695	79	NR	825	2	NR	955	0	NR
440	573	NR	570	641	NR	700	68	NR	830	2	NR	960	0	NR
445	844	NR	575	638	NR	705	59	NR	835	2	NR	965	0	NR
450	999	NR	580	632	NR	710	50	NR	840	1	NR	970	0	NR
455	668	NR	585	620	NR	715	43	NR	845	1	NR	975	0	NR
460	361	NR	590	607	NR	720	36	NR	850	1	NR	980	0	NR
465	255	NR	595	586	NR	725	30	NR	855	1	NR	985	0	NR
470	165	NR	600	564	NR	730	25	NR	860	1	NR	990	0	NR
475	106	NR	605	537	NR	735	22	NR	865	1	NR	995	0	NR
480	91	NR	610	507	NR	740	19	NR	870	0	NR	1000	0	NR
485	93	NR	615	474	NR	745	17	NR	875	0	NR			

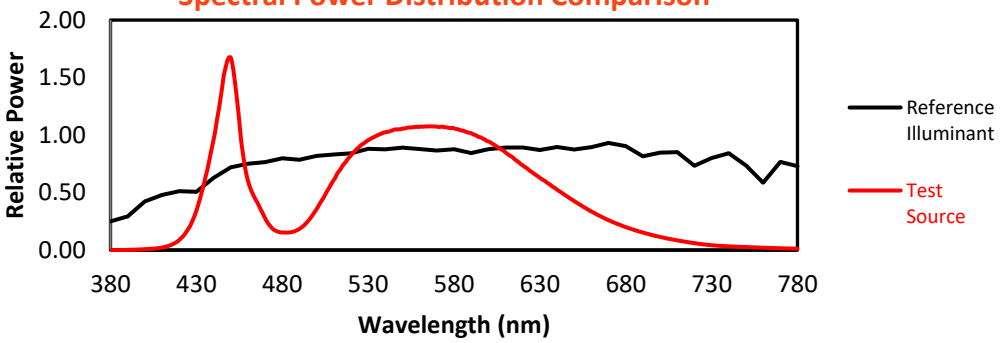
REPORT NUMBER: SP1-2407-176-6

TM-30-18

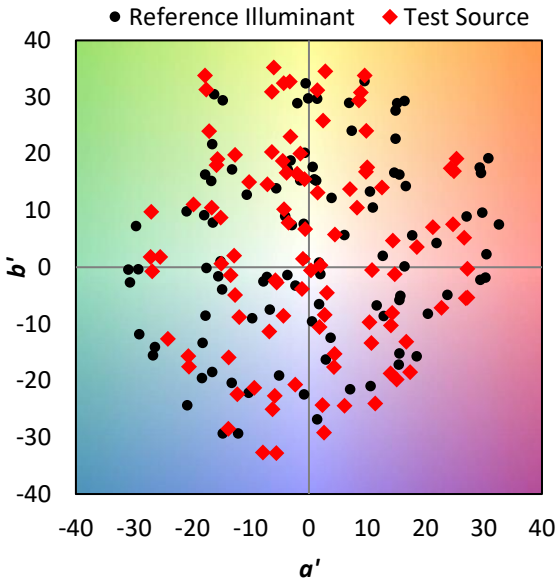
Summary

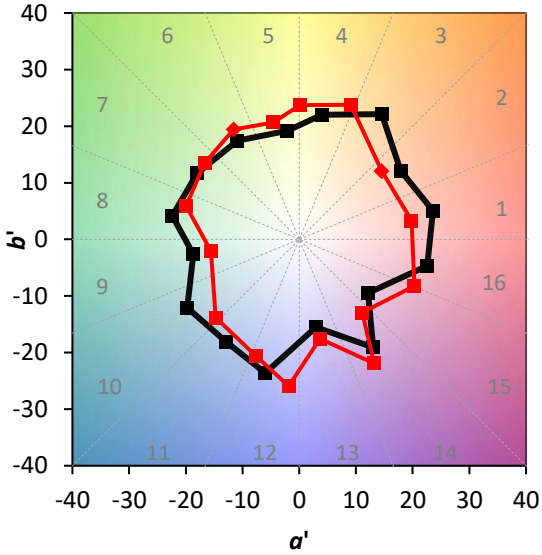
R_f = 73
R_g = 94.6
CIE R_a = 70.9
R_9 = -29.8

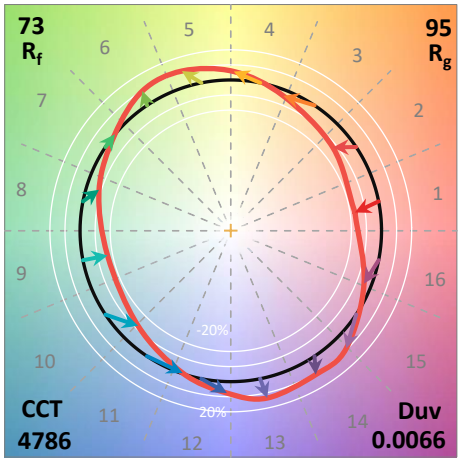
Spectral Power Distribution Comparison

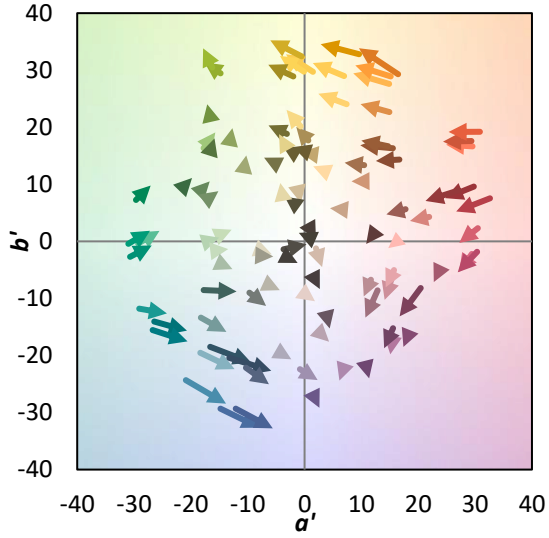


Color Vector Graphics







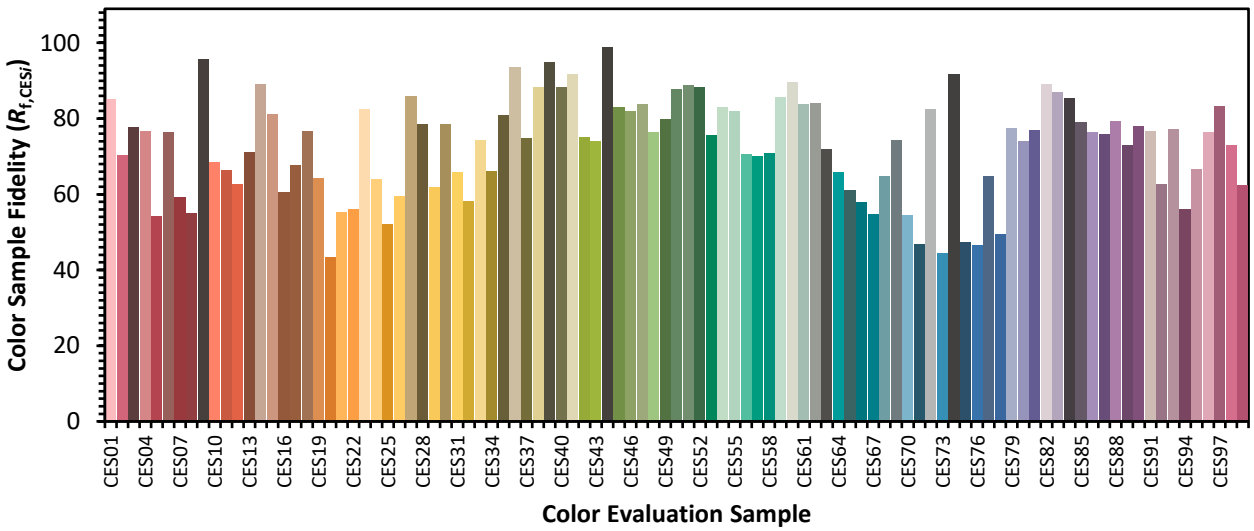


REPORT NUMBER: SP1-2407-176-6

TM-30-18

Individual Sample Fidelity Index ($R_{f,i}$)

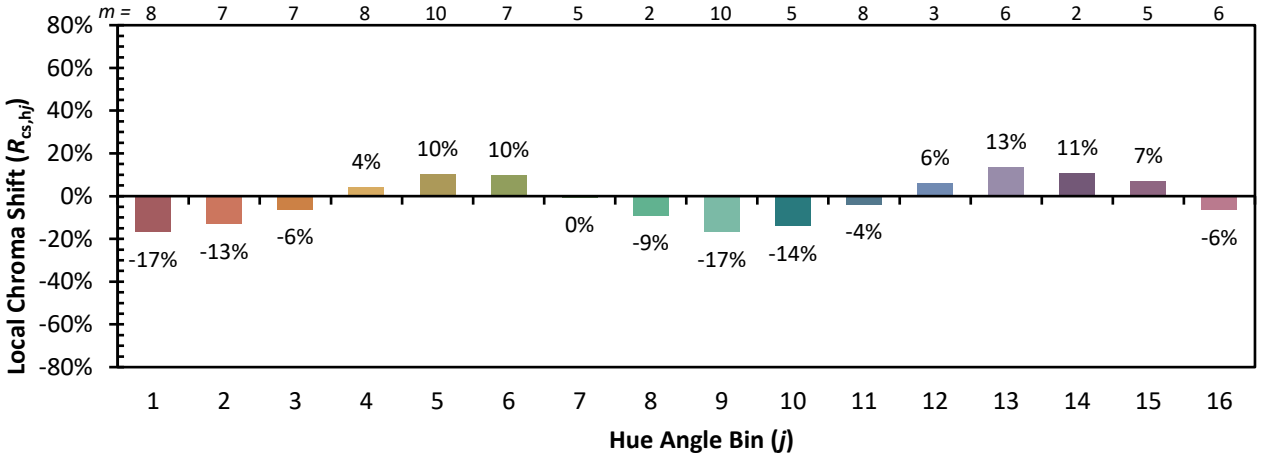
CES01 = 85	CES26 = 60	CES51 = 89	CES76 = 46
CES02 = 59	CES27 = 86	CES52 = 88	CES77 = 65
CES03 = 30	CES28 = 78	CES53 = 76	CES78 = 49
CES04 = 69	CES29 = 62	CES54 = 83	CES79 = 78
CES05 = 46	CES30 = 79	CES55 = 82	CES80 = 74
CES06 = 50	CES31 = 66	CES56 = 71	CES81 = 77
CES07 = 39	CES32 = 58	CES57 = 70	CES82 = 89
CES08 = 38	CES33 = 74	CES58 = 71	CES83 = 87
CES09 = 29	CES34 = 66	CES59 = 86	CES84 = 86
CES10 = 72	CES35 = 81	CES60 = 90	CES85 = 79
CES11 = 56	CES36 = 94	CES61 = 84	CES86 = 76
CES12 = 61	CES37 = 75	CES62 = 84	CES87 = 76
CES13 = 41	CES38 = 88	CES63 = 72	CES88 = 79
CES14 = 74	CES39 = 95	CES64 = 66	CES89 = 73
CES15 = 70	CES40 = 88	CES65 = 61	CES90 = 78
CES16 = 46	CES41 = 92	CES66 = 58	CES91 = 77
CES17 = 49	CES42 = 75	CES67 = 55	CES92 = 63
CES18 = 55	CES43 = 74	CES68 = 65	CES93 = 77
CES19 = 71	CES44 = 99	CES69 = 74	CES94 = 56
CES20 = 64	CES45 = 83	CES70 = 55	CES95 = 67
CES21 = 85	CES46 = 82	CES71 = 47	CES96 = 76
CES22 = 77	CES47 = 84	CES72 = 82	CES97 = 83
CES23 = 91	CES48 = 76	CES73 = 44	CES98 = 73
CES24 = 90	CES49 = 80	CES74 = 92	CES99 = 62
CES25 = 71	CES50 = 88	CES75 = 47	

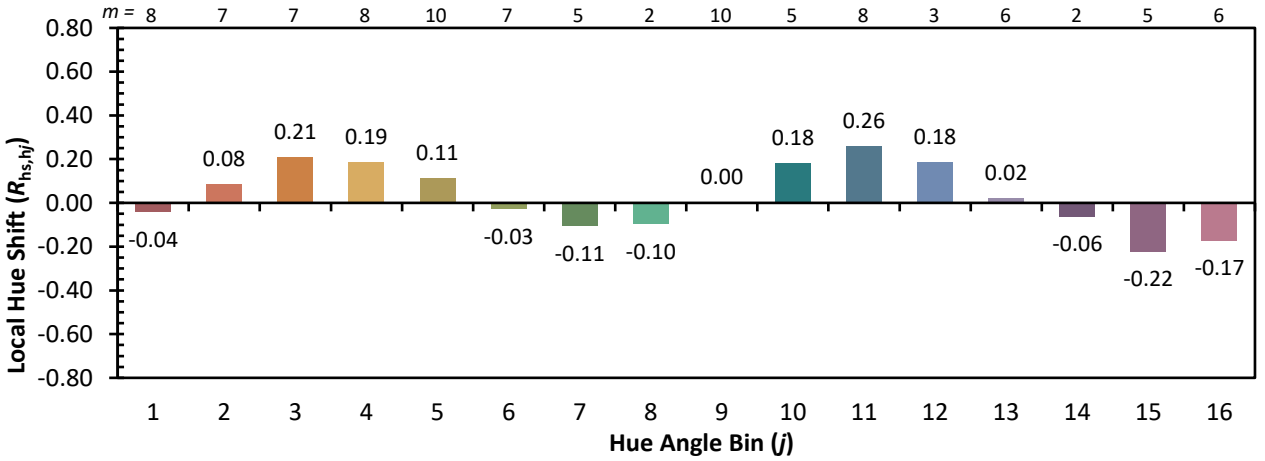


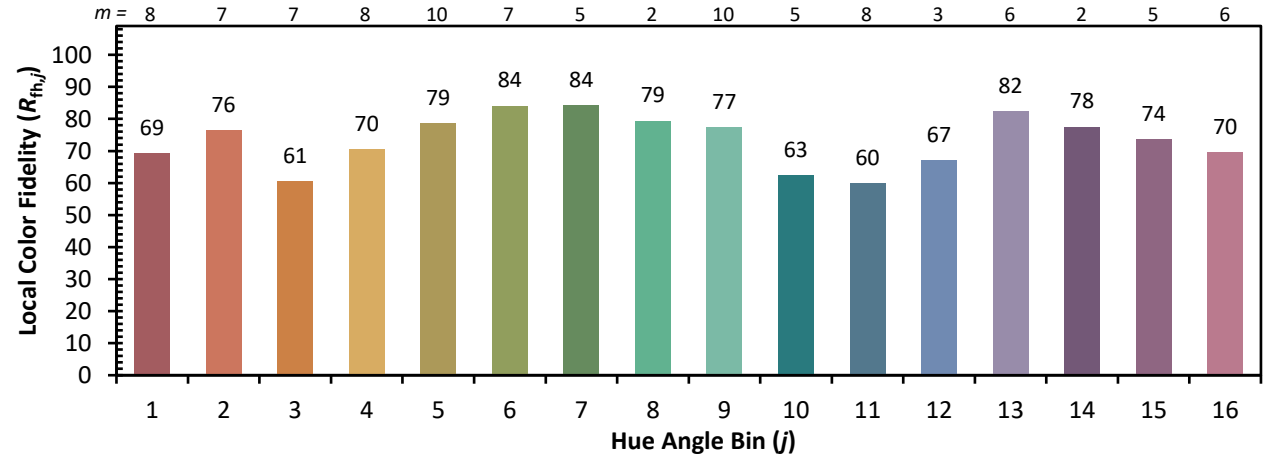
REPORT NUMBER: SP1-2407-176-6

TM-30-18

Color Rendition by Hue-Angle Bin



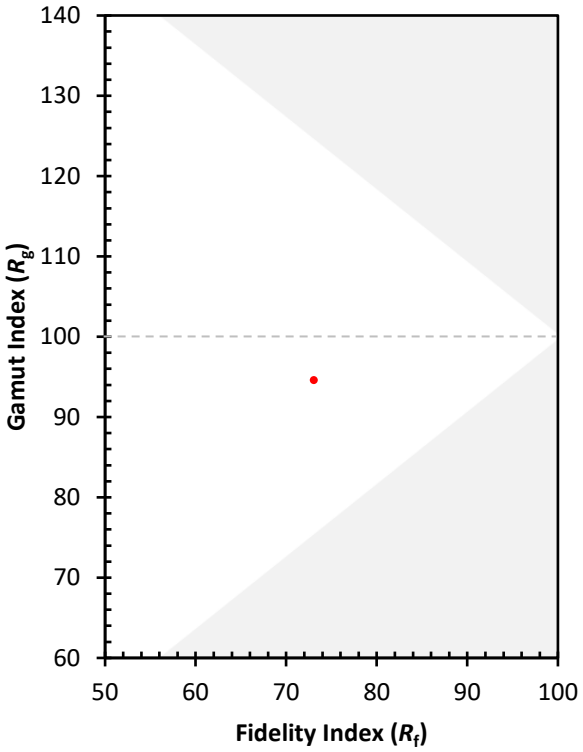


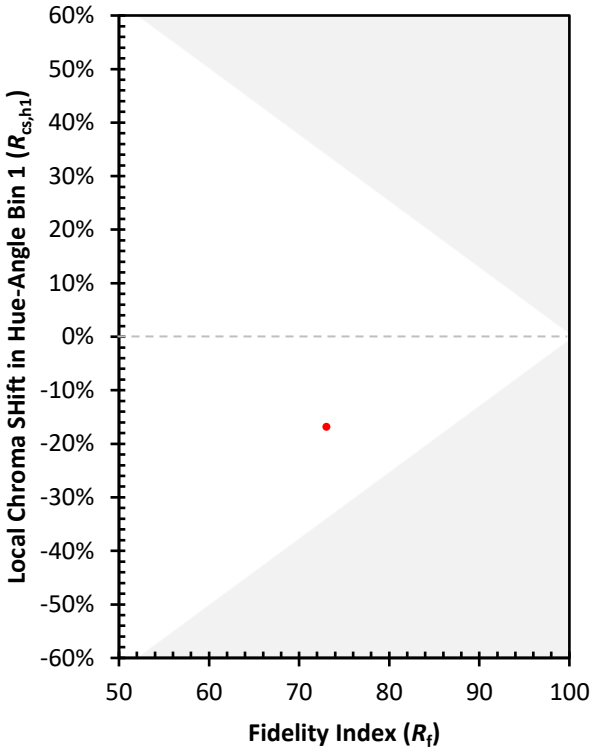


REPORT NUMBER: SP1-2407-176-6

TM-30-18

Measure Comparisons





(END OF REPORT)