

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: HALO

Report Number: P670614

Luminaire Tested: MWP40FSUNVDBZ-30W-4000K

Issue Date: 4/5/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P670614  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( 2022-07-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: MWP40FSUNVDBZ-30W-4000K  
Description: MINI WALL PACK  
Light Source: 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4239 lumens  
Efficiency: N/A  
Efficacy: 140.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.51' x L: 0.44' x H: 0.31')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U3 - G3

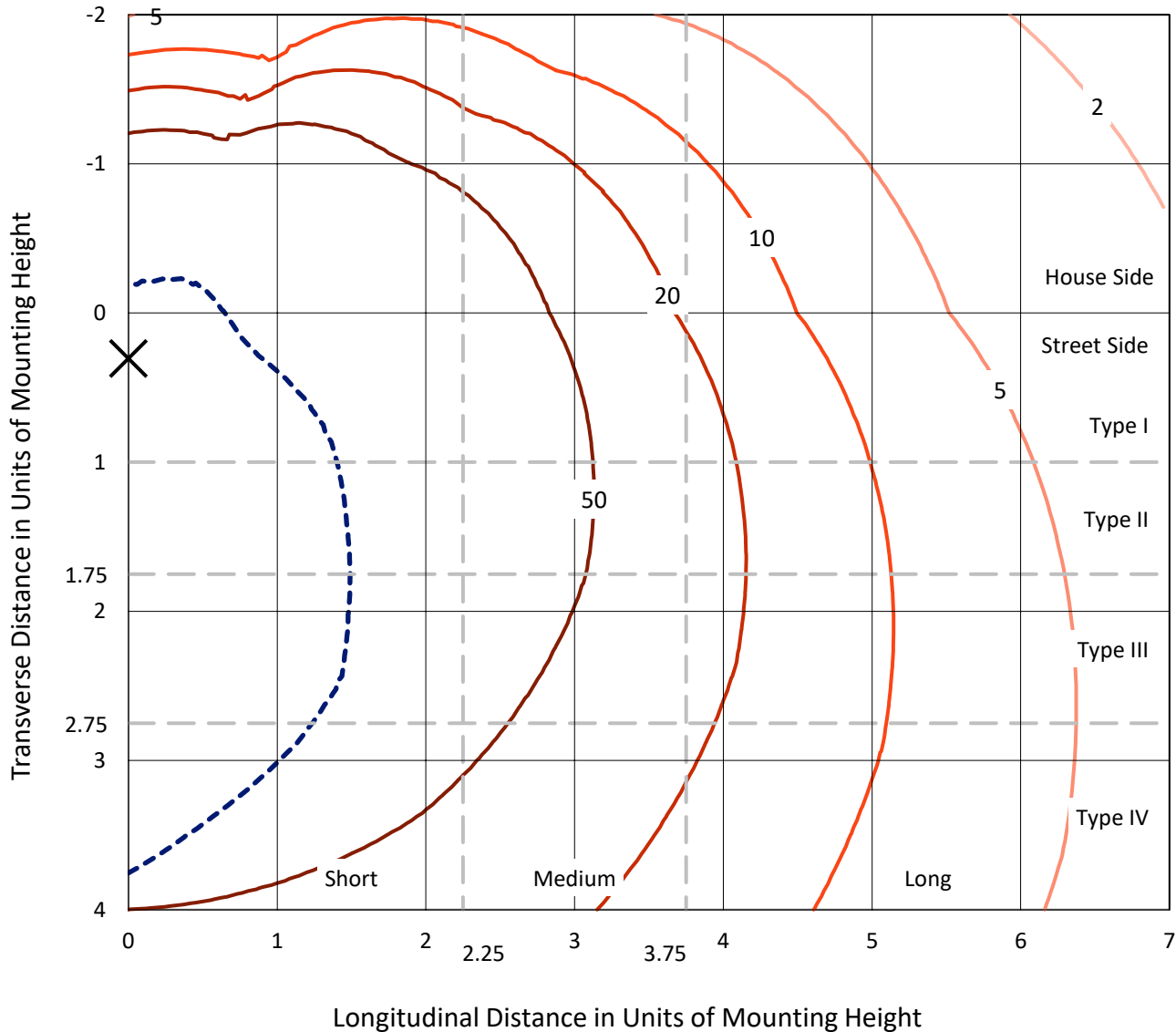
Input Watts (W): 30.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

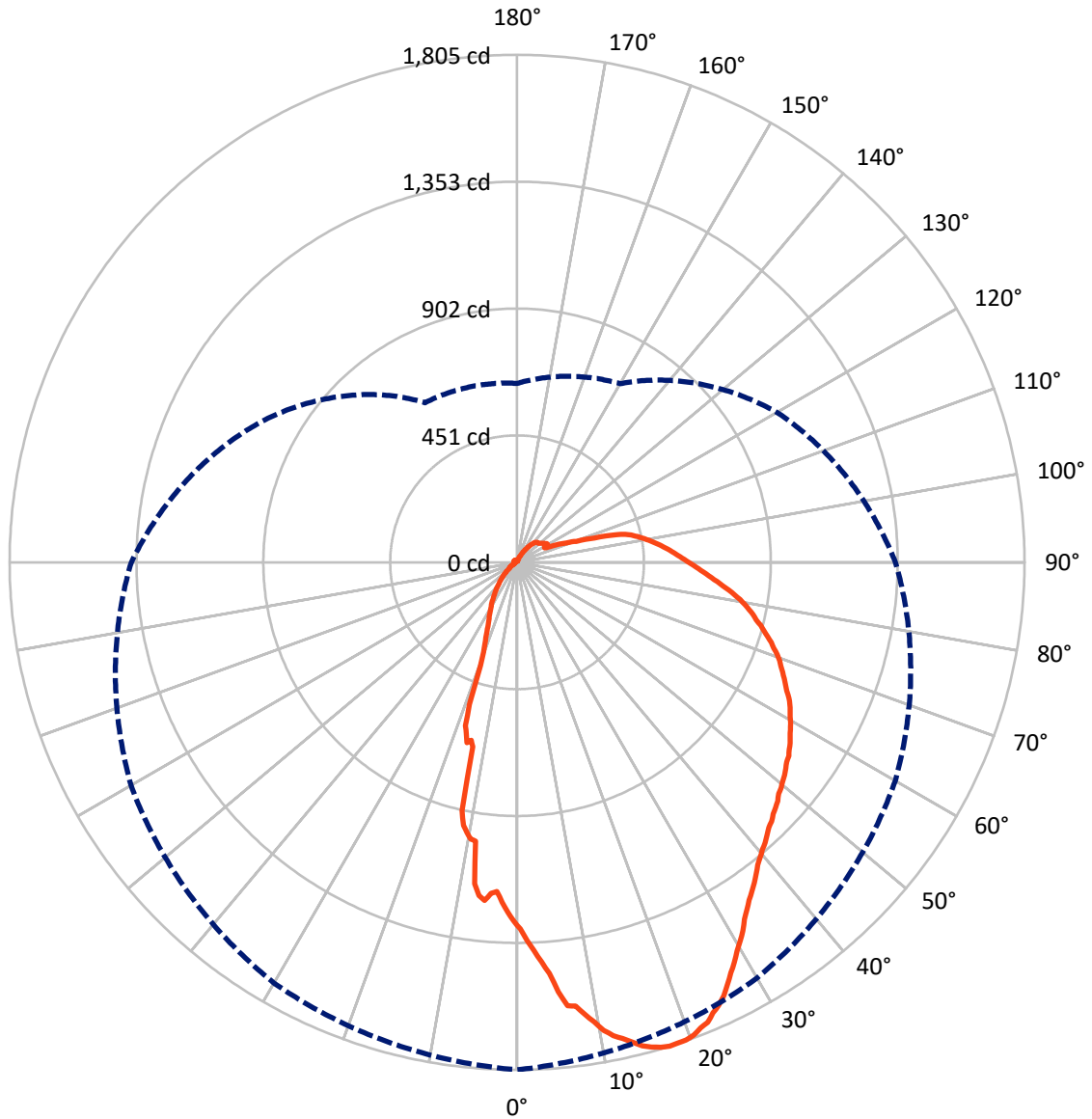
× Max cd  
 - - - 1/2 Max cd



Based on 0.5 foot mounting height. Maximum calculated value = 6489.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 17-Deg Vertical

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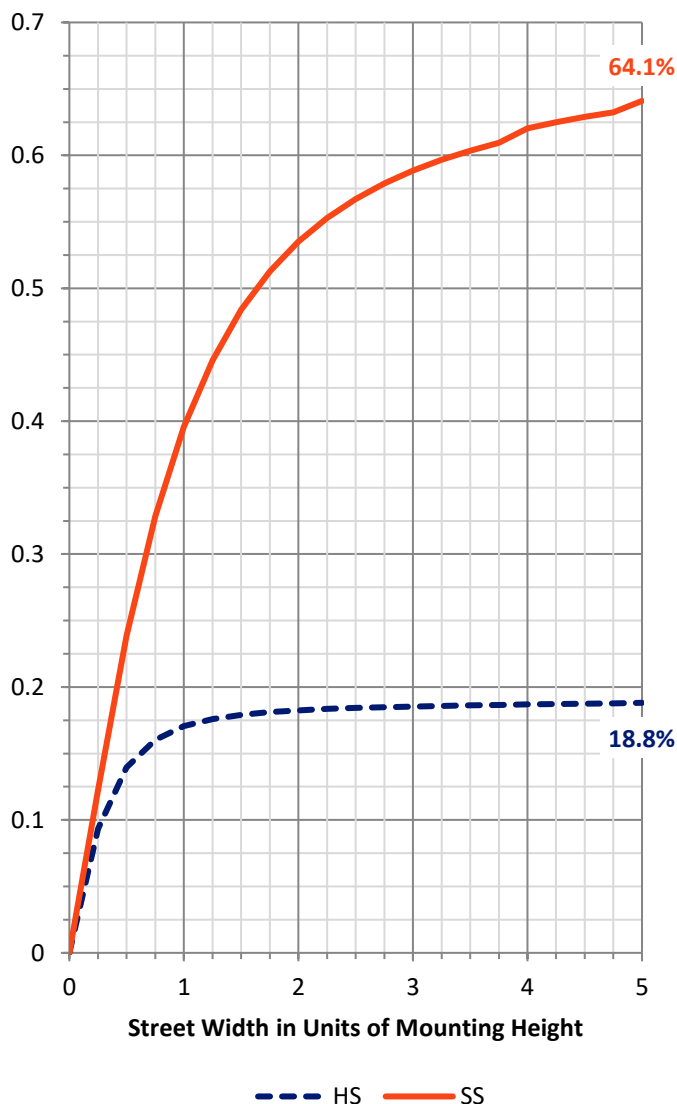
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	814.5	74.9	889.4
	% Fixture	19.2	1.8	21.0
<b>Street Side</b>	Lumens	2895.1	454.5	3349.6
	% Fixture	68.3	10.7	79.0
<b>Total</b>	Lumens	3709.6	529.4	4239.0
	% Fixture	87.5	12.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.3	3.1
10°-20°	367.5	8.7
20°-30°	486.7	11.5
30°-40°	506.0	11.9
40°-50°	519.0	12.2
50°-60°	518.3	12.2
60°-70°	476.2	11.2
70°-80°	398.8	9.4
80°-90°	307.7	7.3
90°-100°	229.4	5.4
100°-110°	142.9	3.4
110°-120°	66.5	1.6
120°-130°	42.2	1.0
130°-140°	26.6	0.6
140°-150°	13.9	0.3
150°-160°	5.2	0.1
160°-170°	2.0	0.0
170°-180°	0.7	0.0
0°-90°	3709.6	87.5
0°-180°	4239.0	100.0

**Coefficient of Utilization**

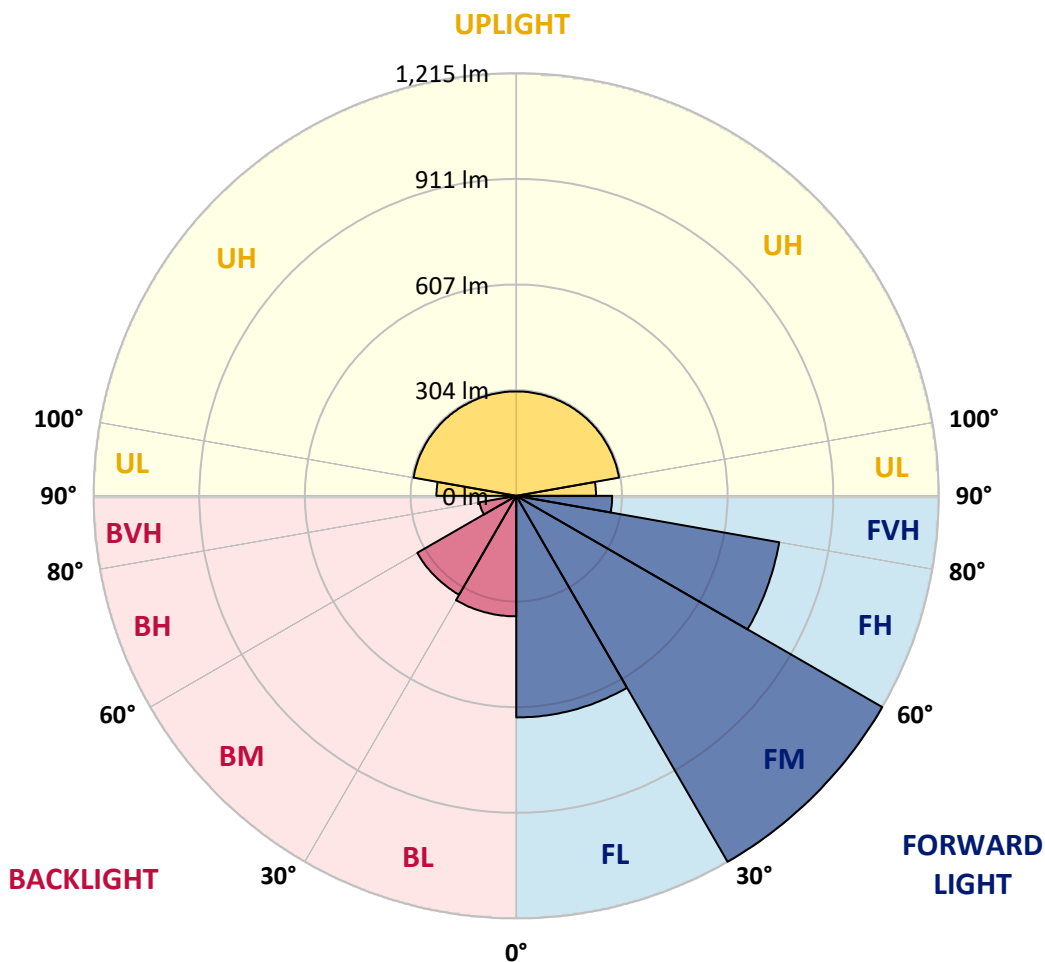


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	637.0	15.0			
FM (30°-60°)	1214.7	28.7			
FH (60°-80°)	767.7	18.1			G1/1800
FVH (80°-90°)	275.6	6.5			G3/500
BL (0°-30°)	346.5	8.2	B1/500		
BM (30°-60°)	328.6	7.8	B1/1000		
BH (60°-80°)	107.3	2.5	B0/110		G0/110
BVH (80°-90°)	32.1	0.8			G1/100
UL (90°-100°)	229.4	5.4		U3/500	
UH (100°-180°)	300.0	7.1		U3/500	

**BUG Rating: B1-U3-G3**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	1303.4	1303.4	1303.4	1303.4	1303.4	1303.4	1303.4	1303.4	1303.4	1303.4	1303.4
1°	1345.4	1323.2	1291.8	1320.4	1300.5	1284.8	1276.3	1262.7	1254.3	1327.4	1339.4
2°	1381.4	1361.6	1317.9	1324.5	1281.7	1257.3	1245.3	1234.1	1234.1	1332.2	1366.2
3°	1424.0	1397.6	1348.4	1335.5	1270.7	1227.8	1210.3	1205.4	1216.5	1343.9	1393.6
4°	1466.3	1437.9	1379.5	1340.0	1258.5	1197.4	1172.5	1168.5	1194.4	1359.1	1422.9
5°	1534.6	1478.2	1408.0	1348.3	1244.7	1165.3	1181.3	1135.7	1178.3	1369.8	1454.0
6°	1587.4	1555.7	1438.8	1360.6	1228.9	1196.5	1208.0	1162.3	1161.5	1384.1	1486.6
7°	1591.2	1587.0	1464.1	1367.5	1214.6	1220.3	1192.4	1176.0	1145.9	1397.2	1510.4
8°	1624.7	1590.9	1492.2	1377.7	1198.6	1203.6	1153.1	1166.3	1129.1	1399.4	1535.0
9°	1656.8	1612.4	1518.8	1384.1	1195.2	1184.5	1002.2	1122.4	1118.7	1410.2	1562.1
10°	1692.5	1639.4	1560.6	1383.8	1229.4	1066.9	997.7	1054.5	1150.6	1415.1	1587.5
11°	1717.5	1664.9	1575.0	1386.7	1232.6	1023.0	977.5	951.1	1179.8	1418.0	1620.3
12°	1734.3	1678.4	1578.7	1387.2	1215.1	1037.4	954.7	974.1	1159.0	1416.6	1626.8
13°	1755.1	1690.5	1572.3	1386.0	1192.7	997.8	904.0	934.7	1143.6	1417.6	1619.6
14°	1776.5	1699.5	1568.7	1380.9	1155.3	949.5	674.3	880.9	1091.1	1411.0	1606.6
15°	1788.5	1708.7	1568.7	1377.2	1136.2	900.5	653.0	802.6	1068.2	1399.9	1597.2
16°	1798.6	1711.2	1564.2	1360.7	1097.6	735.0	665.5	683.4	1032.2	1386.2	1596.8
17°	1804.6	1706.5	1553.0	1345.2	1066.7	733.4	636.2	655.2	1023.7	1371.9	1585.6
18°	1802.5	1710.5	1543.0	1329.1	1051.0	714.5	609.7	659.4	1013.9	1352.3	1568.6
19°	1801.7	1700.1	1523.5	1306.9	1039.4	674.7	533.3	625.1	1002.9	1328.3	1549.8
20°	1794.9	1692.1	1502.3	1286.6	1016.2	636.7	389.3	579.0	991.3	1300.8	1529.6
21°	1779.7	1674.0	1479.7	1261.4	994.3	587.7	340.0	519.3	979.7	1279.9	1505.2
22°	1771.1	1658.8	1450.8	1228.4	973.5	520.2	313.2	457.8	959.3	1249.1	1476.6
23°	1746.9	1634.3	1428.5	1202.5	944.2	461.0	289.8	423.8	938.1	1211.7	1448.7
24°	1730.8	1617.0	1397.8	1169.5	913.4	428.7	269.1	396.9	914.0	1184.3	1422.5
25°	1707.6	1592.4	1367.3	1138.0	886.3	400.6	251.2	373.8	886.2	1150.8	1390.4
26°	1677.8	1568.6	1341.3	1105.3	853.9	373.0	235.9	350.1	851.1	1113.7	1362.1
27°	1645.7	1540.5	1311.4	1074.0	818.6	344.6	223.2	325.5	815.0	1076.8	1331.1
28°	1618.8	1514.0	1281.6	1041.0	781.7	319.2	211.8	300.8	779.8	1044.9	1300.9
29°	1588.4	1484.3	1255.4	1009.1	750.0	293.7	201.2	276.7	745.0	1011.7	1275.4
30°	1563.6	1456.0	1227.9	978.2	717.3	272.0	190.6	258.2	710.0	978.3	1244.1
31°	1536.9	1427.9	1203.1	948.1	682.2	252.6	181.5	242.5	675.4	947.0	1220.0
32°	1504.6	1404.0	1177.8	917.7	650.2	235.9	172.3	228.8	641.0	917.5	1195.6
33°	1481.6	1373.0	1155.4	887.0	618.5	221.6	163.7	217.0	605.9	888.6	1171.9
34°	1457.4	1349.3	1134.7	862.6	590.7	209.0	154.4	205.7	572.7	860.9	1147.3
35°	1437.6	1328.9	1111.6	832.6	562.2	197.6	145.6	195.4	540.8	835.4	1123.2
36°	1417.7	1310.0	1092.3	810.4	534.9	187.2	137.1	185.0	513.8	811.8	1109.7
37°	1397.0	1288.3	1079.1	790.5	509.4	177.6	129.2	175.0	487.1	789.6	1092.1
38°	1374.8	1270.9	1062.4	771.0	485.6	168.2	121.3	165.5	463.4	772.9	1074.2
39°	1359.3	1255.6	1049.7	754.5	464.7	159.2	113.9	155.8	443.5	759.2	1064.1
40°	1343.7	1243.0	1039.5	741.6	444.5	150.3	106.8	146.1	426.2	745.1	1053.2
41°	1330.9	1227.9	1027.6	730.7	427.1	141.8	99.5	137.3	409.8	732.7	1039.7
42°	1316.1	1217.7	1019.2	717.2	411.9	133.1	93.0	128.4	395.6	721.4	1031.2
43°	1300.1	1204.9	1012.3	708.3	397.7	125.5	86.6	120.3	381.9	712.0	1022.7
44°	1291.5	1194.3	1004.2	697.0	385.3	117.2	81.6	112.4	368.7	703.5	1018.9



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**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	1277.2	1184.1	1001.1	688.4	371.6	110.6	75.8	105.7	355.2	690.7	1007.6
46°	1267.2	1175.7	991.2	677.3	358.6	103.1	70.6	99.0	343.2	678.0	1000.8
47°	1257.1	1166.9	987.7	664.8	345.7	96.0	64.9	92.6	330.2	669.5	989.4
48°	1241.6	1157.8	979.6	655.3	332.4	89.6	59.1	86.5	318.5	656.7	981.7
49°	1234.7	1148.2	973.7	645.8	321.4	81.1	52.8	79.9	306.2	645.9	973.3
50°	1224.3	1141.6	967.5	635.0	307.5	75.5	47.8	74.3	295.6	634.3	963.4
51°	1215.7	1132.7	953.7	621.7	295.8	68.0	42.6	68.2	284.3	620.6	958.1
52°	1204.0	1124.2	946.8	610.9	283.8	62.1	39.0	63.0	271.9	607.7	948.8
53°	1192.8	1115.1	938.1	598.7	271.4	56.2	35.6	58.2	260.1	595.3	937.1
54°	1186.8	1106.2	926.0	585.6	260.2	51.5	33.3	53.9	249.2	579.9	928.4
55°	1174.5	1096.6	913.7	572.2	248.0	46.5	31.0	49.6	238.1	567.6	914.6
56°	1164.1	1087.6	903.4	556.4	236.9	42.5	29.2	46.1	226.9	553.4	905.6
57°	1150.9	1076.3	891.6	543.0	225.2	39.0	26.8	42.6	215.9	537.4	889.7
58°	1140.2	1064.0	881.9	530.0	214.3	35.5	24.3	39.4	205.4	522.1	875.3
59°	1128.9	1058.3	869.1	516.6	203.0	32.9	21.9	36.7	195.0	507.1	860.4
60°	1115.8	1044.8	857.1	502.6	192.1	30.4	19.7	33.9	185.7	491.9	847.1
61°	1104.5	1033.1	843.8	487.7	181.7	28.5	17.8	31.5	175.9	474.4	834.3
62°	1094.0	1020.9	831.0	474.1	172.2	27.1	16.0	29.4	167.5	459.5	822.4
63°	1080.5	1008.6	816.5	458.7	163.4	25.5	14.3	27.5	158.9	444.2	810.6
64°	1062.6	997.4	799.7	443.4	154.2	24.0	12.8	25.9	150.3	427.4	795.3
65°	1049.3	983.0	786.0	427.1	145.4	22.8	11.6	24.2	142.2	410.9	781.6
66°	1036.2	969.6	770.6	407.8	137.7	21.7	10.5	22.8	134.9	395.4	768.4
67°	1022.0	955.2	755.7	394.6	130.8	20.5	9.7	21.3	128.2	378.9	751.6
68°	1008.6	937.7	738.6	377.6	124.2	19.1	9.2	20.1	121.7	363.4	735.1
69°	996.5	923.1	720.7	361.9	118.3	18.1	8.9	19.0	115.9	346.5	719.9
70°	981.1	905.6	701.9	345.4	113.1	17.2	8.6	18.2	111.0	332.6	704.1
71°	963.0	887.6	682.9	330.1	108.2	16.7	8.3	17.8	106.8	317.5	684.1
72°	947.6	874.1	664.0	314.9	103.8	16.3	8.0	17.5	102.6	302.6	664.2
73°	929.5	856.0	645.9	299.6	100.0	16.0	7.7	17.1	98.7	287.8	644.3
74°	911.3	837.8	629.0	285.5	96.1	15.7	7.4	16.8	94.9	275.2	625.2
75°	894.9	822.5	610.6	272.5	92.6	15.4	7.2	16.6	91.4	262.9	607.0
76°	874.3	805.0	592.6	260.5	89.4	15.2	7.1	16.3	88.4	250.5	588.3
77°	860.0	789.8	576.6	248.7	86.5	14.9	7.0	16.1	85.5	239.9	571.7
78°	842.3	770.5	560.5	238.5	83.7	14.8	6.9	15.9	82.8	229.4	557.3
79°	823.2	755.5	543.1	227.3	81.1	14.6	6.8	15.8	80.7	220.0	539.0
80°	803.9	735.9	527.5	218.0	79.0	14.4	6.7	15.6	78.3	209.8	522.4
81°	781.7	716.2	510.0	208.5	76.7	14.3	6.7	15.6	76.5	201.7	504.3
82°	760.4	694.4	493.2	199.5	74.8	14.3	6.7	15.5	74.7	193.2	486.5
83°	736.7	674.3	476.1	191.8	73.1	14.3	6.7	15.6	73.1	185.3	469.0
84°	715.2	655.8	458.3	183.9	71.2	14.4	6.8	15.6	71.5	178.6	452.4
85°	693.1	634.5	441.8	176.8	69.5	14.4	6.9	15.7	70.0	172.0	438.6
86°	673.4	614.8	427.3	169.8	67.8	14.4	7.0	15.8	68.4	165.4	422.6
87°	654.2	597.2	413.6	163.1	66.2	14.4	7.1	15.9	67.0	159.4	409.7
88°	636.1	580.1	399.1	156.9	64.9	14.4	7.3	16.0	65.7	153.2	395.0
89°	620.1	565.5	387.9	150.8	63.4	14.6	7.4	16.1	64.4	147.1	382.5





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**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	602.3	550.4	374.7	145.0	61.7	14.7	7.6	16.2	62.9	141.4	371.6
91°	587.2	534.1	363.4	139.6	60.3	14.8	7.8	16.3	61.9	136.7	360.8
92°	572.4	520.3	353.1	134.6	59.2	15.0	8.0	16.5	60.9	132.0	350.0
93°	558.9	507.0	341.5	129.9	57.9	15.2	8.3	16.6	59.2	127.5	338.0
94°	545.5	492.4	331.6	125.2	56.2	14.7	8.2	16.2	57.7	123.1	328.8
95°	530.4	479.9	320.5	120.8	55.0	14.2	8.0	16.0	56.6	118.6	318.7
96°	517.1	466.4	310.1	116.6	53.9	14.1	8.0	16.0	55.4	114.0	307.7
97°	503.4	453.7	299.3	112.4	52.8	14.0	8.2	16.0	54.3	109.9	296.6
98°	489.1	440.8	289.0	108.0	51.7	14.0	8.3	16.0	53.4	105.7	286.7
99°	474.9	429.3	278.9	103.9	50.6	13.9	8.5	16.0	52.4	101.6	276.7
100°	461.1	414.5	268.4	99.9	49.5	13.9	8.6	16.0	51.3	97.6	266.5
101°	446.1	401.8	257.5	95.5	48.4	13.8	8.7	15.8	50.2	93.2	256.3
102°	431.5	384.3	246.1	91.3	47.3	13.7	8.8	15.6	48.9	89.3	246.3
103°	416.9	353.7	231.6	87.0	46.1	13.7	8.9	15.4	47.8	85.2	236.1
104°	397.1	317.9	214.9	82.4	44.8	13.9	9.1	15.4	46.6	81.0	225.5
105°	368.1	277.6	193.0	77.8	43.4	13.9	9.4	15.5	45.2	77.0	215.2
106°	330.2	247.4	171.4	73.6	41.7	13.9	9.7	15.5	43.8	72.7	203.9
107°	288.7	227.2	152.5	68.3	39.8	13.8	10.2	15.4	42.2	67.9	191.6
108°	257.8	216.0	134.2	63.9	38.0	13.7	10.8	15.4	40.7	63.6	178.4
109°	223.1	205.8	121.6	58.7	36.4	13.5	11.3	15.2	39.2	59.8	161.9
110°	208.6	190.9	112.5	54.2	34.7	13.4	11.6	15.1	37.8	56.3	148.0
111°	188.3	167.9	107.5	50.0	32.9	13.3	11.9	15.0	36.3	53.4	136.1
112°	174.0	149.2	104.0	46.7	31.4	13.2	12.1	15.0	34.9	50.8	127.0
113°	160.6	133.8	99.6	43.2	29.9	13.1	12.1	14.9	33.7	48.2	119.4
114°	144.8	129.1	96.4	40.3	28.5	12.9	12.2	14.7	32.4	45.7	111.6
115°	129.0	130.7	93.4	38.1	27.1	12.6	12.1	14.5	31.2	43.3	102.8
116°	117.9	137.1	89.3	36.0	25.6	12.4	12.0	14.3	30.0	41.0	95.2
117°	110.4	142.2	83.7	33.8	24.5	12.3	11.8	14.2	29.0	38.8	86.9
118°	111.0	141.3	77.4	32.3	23.5	12.3	11.7	14.1	28.1	37.2	79.2
119°	123.5	138.4	71.7	30.6	22.6	12.4	11.4	13.9	27.2	35.9	72.8
120°	125.5	134.6	65.9	29.2	21.9	12.4	11.2	13.8	26.3	34.6	66.9
121°	125.9	130.1	61.1	28.2	21.2	12.3	10.5	13.6	25.5	33.6	61.9
122°	124.4	125.5	56.5	27.4	20.2	12.1	10.2	13.4	24.6	32.8	57.4
123°	121.2	120.8	52.6	26.4	19.3	12.0	10.0	13.1	23.7	31.8	53.4
124°	118.3	116.2	48.7	25.9	18.3	11.7	10.4	13.0	23.1	30.9	49.6
125°	116.4	112.5	45.2	25.1	17.7	11.5	10.3	12.8	22.5	30.0	46.1
126°	114.3	108.8	43.2	24.4	17.1	11.3	10.0	12.6	22.0	29.2	42.5
127°	111.2	105.7	40.9	23.6	16.5	11.1	10.0	12.4	21.5	28.3	39.3
128°	108.5	103.0	38.2	23.0	15.9	10.8	9.8	12.3	20.9	27.6	36.3
129°	105.6	100.4	35.6	22.6	15.3	10.7	9.9	12.0	20.4	27.1	33.3
130°	103.5	98.1	33.3	22.2	14.7	10.6	9.4	11.7	19.8	26.5	30.8
131°	102.0	95.7	31.2	21.6	13.7	10.5	9.3	11.3	19.3	25.9	28.3
132°	101.2	93.1	29.6	21.2	13.4	10.6	9.1	11.3	18.8	25.7	26.0
133°	101.2	90.3	27.9	21.0	13.1	10.8	9.0	11.5	18.4	25.3	23.9
134°	100.6	87.0	26.3	20.6	12.9	10.9	9.1	11.6	18.0	24.8	22.1



REPORT NUMBER: P670614  
 CATALOG NUMBER: MWP40FSUNVDBZ-30W-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	99.6	83.5	25.1	19.8	13.3	10.7	9.3	11.4	17.6	24.4	21.0
136°	97.8	79.8	23.9	19.6	13.5	10.7	9.5	11.1	17.1	24.1	19.8
137°	95.6	75.1	22.5	19.5	13.7	10.5	9.5	11.3	16.3	23.7	18.7
138°	92.7	70.5	20.9	19.5	13.7	10.4	9.3	11.3	15.6	23.4	17.5
139°	89.2	65.9	19.4	20.1	13.5	10.3	8.9	11.2	14.7	23.1	16.6
140°	85.3	61.3	18.2	20.3	12.9	10.2	8.6	11.1	14.1	22.6	15.8
141°	80.3	57.1	17.0	20.6	12.6	10.1	8.5	11.0	13.6	22.3	15.2
142°	75.1	53.1	15.9	20.7	12.3	10.1	8.5	10.9	13.1	21.9	14.6
143°	70.0	49.1	14.9	20.7	12.0	10.2	8.6	11.1	12.7	21.6	14.3
144°	65.1	45.0	14.3	20.4	12.0	10.0	8.6	10.9	12.3	21.4	14.3
145°	60.2	40.5	14.1	20.5	11.8	9.9	8.7	10.7	11.8	21.4	14.7
146°	55.7	36.6	14.2	20.7	11.7	9.7	8.7	10.3	11.2	21.6	15.0
147°	51.0	33.1	14.5	20.9	11.4	9.3	9.1	9.9	10.5	22.0	15.4
148°	46.3	29.9	14.5	21.5	11.0	9.1	9.1	9.1	9.8	22.3	15.4
149°	41.7	26.9	13.7	21.5	10.6	9.0	9.1	8.8	9.1	22.1	14.8
150°	37.5	22.9	12.4	21.2	10.0	8.8	9.1	8.6	8.7	21.5	13.7
151°	33.1	19.8	11.2	20.6	9.4	8.6	9.0	8.6	8.4	20.6	12.6
152°	29.7	16.8	10.4	19.5	9.1	8.5	9.0	8.9	8.6	19.5	11.7
153°	26.5	14.1	10.1	18.3	8.8	8.6	8.9	8.9	8.2	18.1	11.1
154°	23.4	11.3	10.2	16.8	8.8	8.6	9.0	8.8	8.4	16.4	10.9
155°	20.9	7.4	9.6	15.1	8.6	8.4	9.0	8.3	8.4	14.5	9.9
156°	18.4	5.5	8.2	13.2	8.4	8.5	8.9	8.3	8.3	12.6	8.4
157°	15.2	4.7	6.6	11.7	8.1	8.4	8.7	8.2	8.1	11.0	6.9
158°	9.6	4.6	5.9	10.3	7.9	8.5	8.6	8.1	8.1	9.6	6.2
159°	6.1	4.7	5.6	9.0	7.8	8.5	8.7	8.0	7.9	8.4	6.1
160°	4.6	4.7	5.3	7.7	7.8	8.5	8.6	8.0	7.7	7.2	5.8
161°	4.7	4.8	5.1	7.2	7.8	8.4	8.3	7.9	7.7	6.9	5.8
162°	4.8	5.0	5.1	7.4	7.8	8.3	8.2	7.9	7.4	6.9	5.9
163°	5.0	5.3	5.2	7.1	7.8	8.3	8.1	7.9	7.2	6.9	6.0
164°	5.3	5.7	5.3	7.1	7.9	8.2	8.0	7.8	7.1	7.2	6.1
165°	5.5	6.2	5.4	7.6	8.0	8.1	8.0	7.8	7.1	7.8	6.2
166°	5.9	7.1	5.5	8.3	8.1	8.1	7.9	7.8	7.1	8.5	6.4
167°	6.1	7.9	5.9	8.8	8.2	8.1	7.9	7.8	7.2	9.0	6.6
168°	5.8	8.2	6.3	8.8	8.2	8.1	7.8	7.8	7.4	8.7	7.0
169°	5.6	8.2	6.7	8.7	8.2	8.1	7.8	7.7	7.5	8.6	7.3
170°	5.7	7.8	6.8	8.8	8.2	8.1	7.7	7.8	7.4	8.6	7.3
171°	5.8	7.2	7.1	8.8	8.0	8.0	7.7	7.8	7.7	8.6	7.5
172°	5.9	6.4	7.2	9.0	7.8	7.9	7.6	7.8	7.9	8.9	7.9
173°	6.0	5.7	6.8	8.9	7.7	7.8	7.5	7.3	7.8	8.7	7.8
174°	6.0	5.7	6.3	8.5	7.7	7.7	7.7	7.5	7.2	8.1	7.5
175°	6.1	5.8	6.0	7.8	7.8	7.6	7.4	7.4	6.8	7.6	7.2
176°	6.3	5.9	6.0	7.7	7.8	7.5	7.3	7.2	6.8	7.7	7.3
177°	6.4	6.1	6.0	7.7	7.7	7.5	7.1	7.0	6.9	7.7	7.4
178°	6.6	6.2	6.1	7.7	7.7	7.4	7.1	6.7	6.7	7.7	7.5
179°	6.7	6.3	6.1	7.7	7.6	7.3	6.9	6.6	6.3	7.7	7.5



REPORT NUMBER: P670614  
CATALOG NUMBER: MWP40FSUNVDBZ-30W-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8



REPORT NUMBER: P670614  
CATALOG NUMBER: MWP40FSUNVDBZ-30W-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
0°	1303.4	1303.4
1°	1349.3	1345.4
2°	1386.9	1381.4
3°	1424.9	1424.0
4°	1465.5	1466.3
5°	1506.5	1534.6
6°	1569.5	1587.4
7°	1609.2	1591.2
8°	1613.7	1624.7
9°	1637.1	1656.8
10°	1658.1	1692.5
11°	1680.4	1717.5
12°	1702.0	1734.3
13°	1711.4	1755.1
14°	1724.1	1776.5
15°	1729.6	1788.5
16°	1730.0	1798.6
17°	1728.0	1804.6
18°	1722.5	1802.5
19°	1714.5	1801.7
20°	1700.9	1794.9
21°	1681.5	1779.7
22°	1662.8	1771.1
23°	1645.1	1746.9
24°	1619.4	1730.8
25°	1594.2	1707.6
26°	1568.9	1677.8
27°	1539.9	1645.7
28°	1509.4	1618.8
29°	1477.0	1588.4
30°	1448.6	1563.6
31°	1420.0	1536.9
32°	1392.4	1504.6
33°	1366.7	1481.6
34°	1345.1	1457.4
35°	1321.6	1437.6
36°	1301.0	1417.7
37°	1281.9	1397.0
38°	1265.2	1374.8
39°	1249.2	1359.3
40°	1238.7	1343.7
41°	1228.0	1330.9
42°	1210.9	1316.1
43°	1203.6	1300.1
44°	1189.7	1291.5



REPORT NUMBER: P670614  
CATALOG NUMBER: MWP40FSUNVDBZ-30W-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
45°	1181.9	1277.2
46°	1170.1	1267.2
47°	1160.3	1257.1
48°	1152.5	1241.6
49°	1144.8	1234.7
50°	1141.4	1224.3
51°	1132.8	1215.7
52°	1128.7	1204.0
53°	1118.3	1192.8
54°	1107.8	1186.8
55°	1097.9	1174.5
56°	1084.2	1164.1
57°	1073.6	1150.9
58°	1063.1	1140.2
59°	1052.8	1128.9
60°	1039.0	1115.8
61°	1032.3	1104.5
62°	1019.0	1094.0
63°	1007.7	1080.5
64°	997.6	1062.6
65°	984.2	1049.3
66°	970.2	1036.2
67°	956.1	1022.0
68°	942.8	1008.6
69°	927.5	996.5
70°	912.2	981.1
71°	894.6	963.0
72°	876.0	947.6
73°	855.7	929.5
74°	836.6	911.3
75°	820.0	894.9
76°	805.8	874.3
77°	791.3	860.0
78°	775.3	842.3
79°	757.0	823.2
80°	736.2	803.9
81°	716.6	781.7
82°	694.8	760.4
83°	670.9	736.7
84°	650.7	715.2
85°	630.8	693.1
86°	611.8	673.4
87°	594.0	654.2
88°	575.8	636.1
89°	561.9	620.1



REPORT NUMBER: P670614  
CATALOG NUMBER: MWP40FSUNVDBZ-30W-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
90°	547.0	602.3
91°	531.8	587.2
92°	518.5	572.4
93°	505.7	558.9
94°	492.3	545.5
95°	480.8	530.4
96°	468.3	517.1
97°	454.7	503.4
98°	442.6	489.1
99°	429.4	474.9
100°	414.7	461.1
101°	401.5	446.1
102°	380.7	431.5
103°	349.6	416.9
104°	311.7	397.1
105°	269.0	368.1
106°	241.8	330.2
107°	221.0	288.7
108°	211.5	257.8
109°	200.9	223.1
110°	188.1	208.6
111°	167.0	188.3
112°	145.1	174.0
113°	128.8	160.6
114°	126.0	144.8
115°	130.3	129.0
116°	133.3	117.9
117°	136.4	110.4
118°	136.1	111.0
119°	131.7	123.5
120°	127.0	125.5
121°	122.0	125.9
122°	117.6	124.4
123°	113.4	121.2
124°	109.4	118.3
125°	105.6	116.4
126°	102.3	114.3
127°	99.9	111.2
128°	98.1	108.5
129°	96.6	105.6
130°	94.8	103.5
131°	92.3	102.0
132°	89.4	101.2
133°	86.0	101.2
134°	82.7	100.6



REPORT NUMBER: P670614  
CATALOG NUMBER: MWP40FSUNVDBZ-30W-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
135°	79.0	99.6
136°	74.6	97.8
137°	69.6	95.6
138°	64.9	92.7
139°	60.3	89.2
140°	56.1	85.3
141°	51.9	80.3
142°	48.1	75.1
143°	44.2	70.0
144°	40.4	65.1
145°	36.6	60.2
146°	33.0	55.7
147°	29.7	51.0
148°	26.8	46.3
149°	23.6	41.7
150°	20.1	37.5
151°	17.3	33.1
152°	14.6	29.7
153°	12.3	26.5
154°	9.2	23.4
155°	6.4	20.9
156°	5.0	18.4
157°	4.6	15.2
158°	4.7	9.6
159°	4.8	6.1
160°	4.9	4.6
161°	5.1	4.7
162°	5.2	4.8
163°	5.7	5.0
164°	6.3	5.3
165°	6.9	5.5
166°	7.7	5.9
167°	8.4	6.1
168°	8.9	5.8
169°	8.8	5.6
170°	8.2	5.7
171°	7.6	5.8
172°	6.9	5.9
173°	6.5	6.0
174°	6.6	6.0
175°	6.7	6.1
176°	6.8	6.3
177°	6.9	6.4
178°	7.0	6.6
179°	7.1	6.7

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P670614  
CATALOG NUMBER: MWP40FSUNVDBZ-30W-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
180°	6.8	6.8

(END OF REPORT)