

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: STREETWORKS

Report Number: P459635

Luminaire Tested: **GAN-SA6A-AMB-U-SL2**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459635
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-AMB-U-SL2
Description: GALLEON ROADWAY AND AREA LUMINAIRE
(6) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6054 lumens
Efficiency: N/A
Efficacy: 50.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

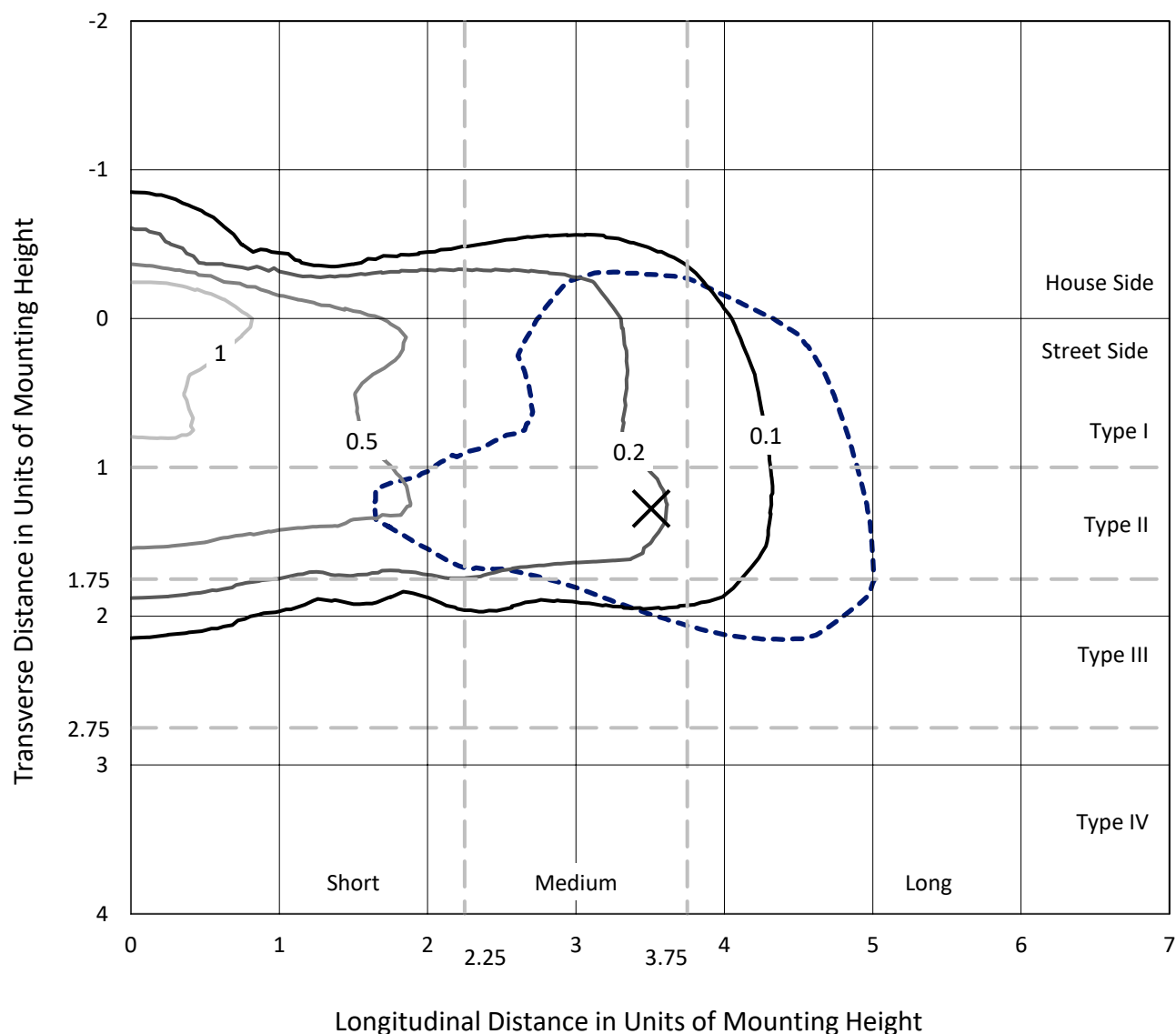
Input Watts (W): 119
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

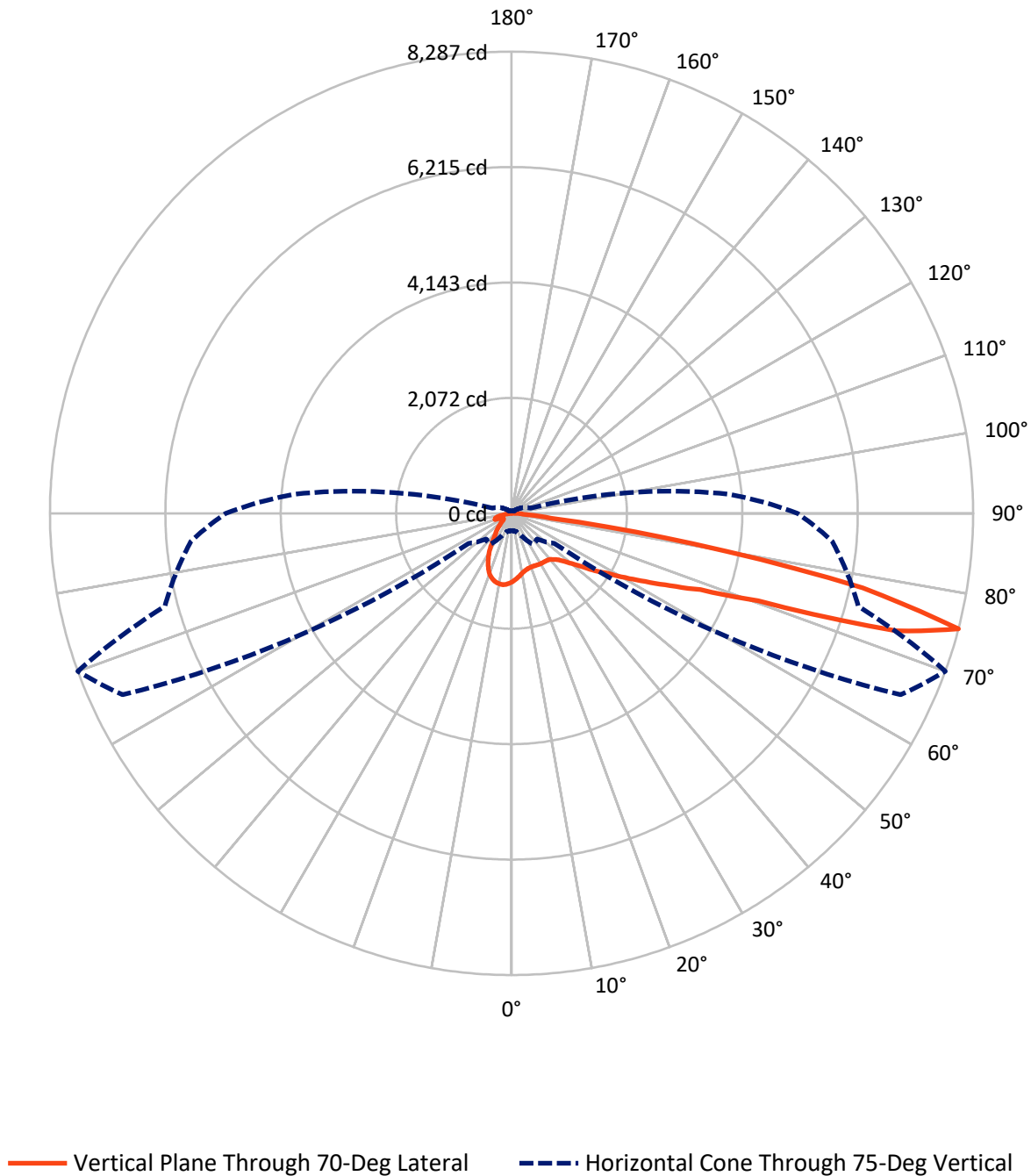
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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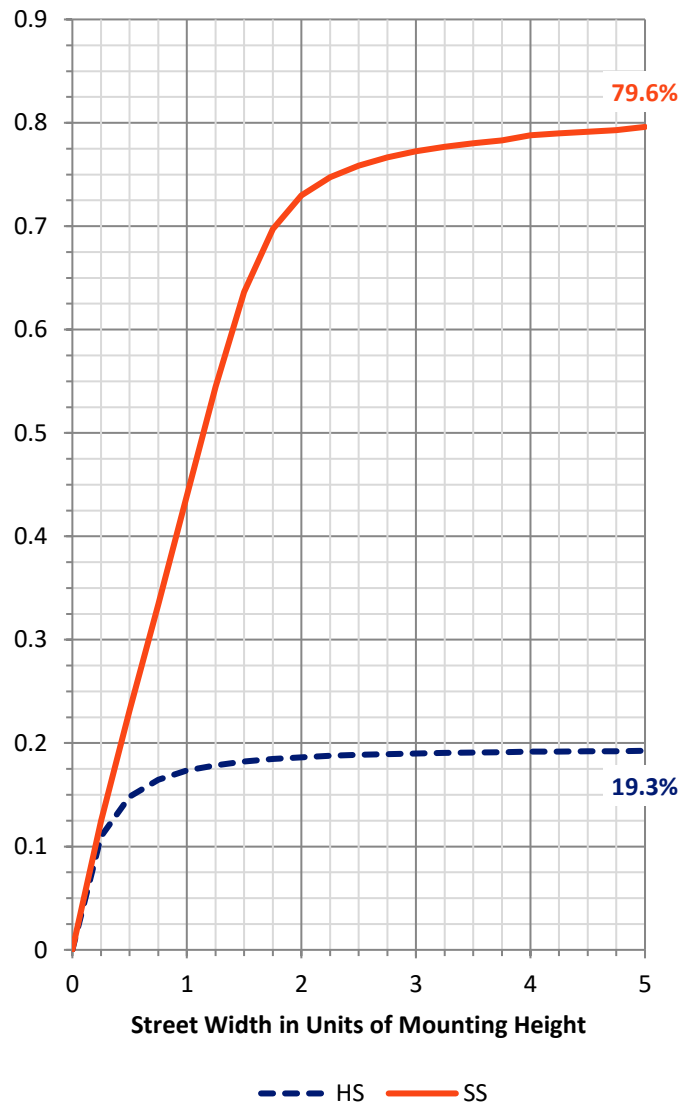
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1181.3	0.0	1181.3
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	4872.7	0.0	4872.7
	% Fixture	80.5	0.0	80.5
Total	Lumens	6054.0	0.0	6054.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.5	1.8
10°-20°	270.9	4.5
20°-30°	364.4	6.0
30°-40°	479.2	7.9
40°-50°	683.7	11.3
50°-60°	1065.0	17.6
60°-70°	1390.3	23.0
70°-80°	1477.5	24.4
80°-90°	211.6	3.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6054.0	100.0
0°-180°	6054.0	100.0

Coefficient of Utilization



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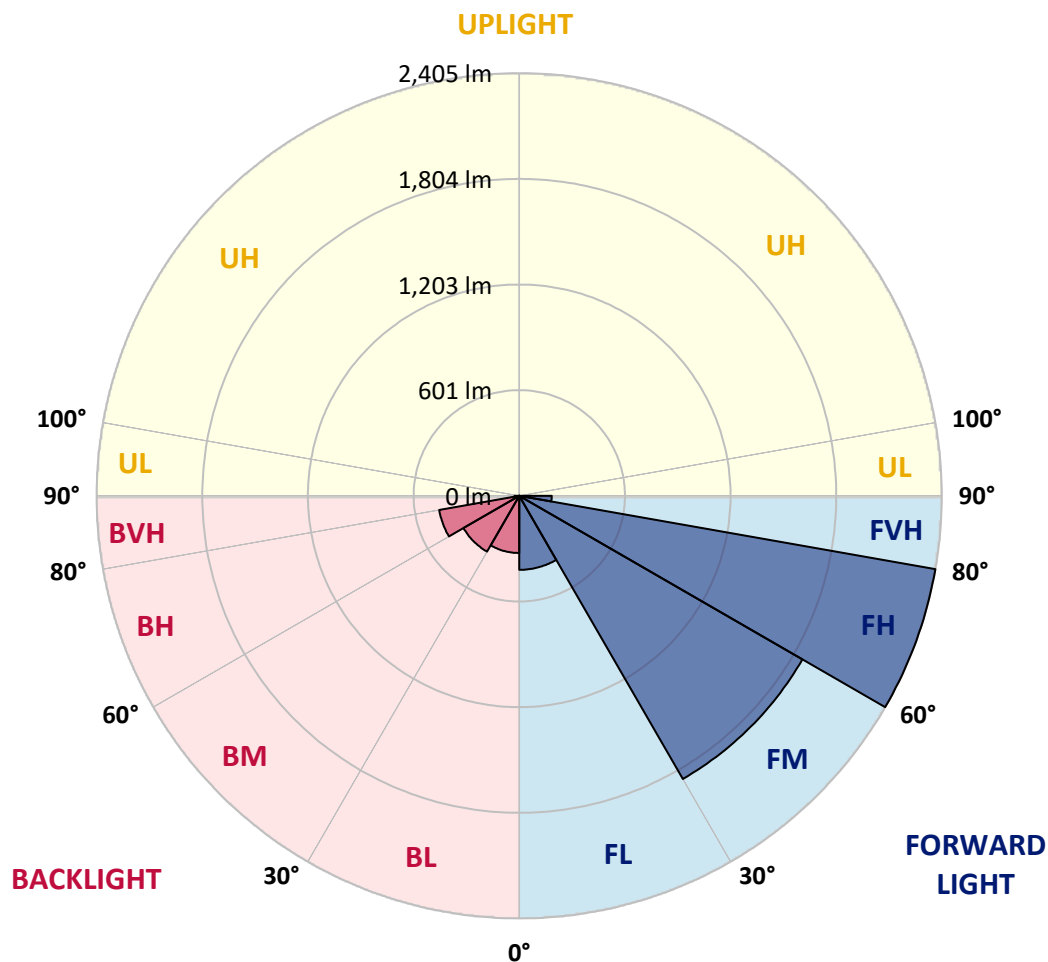
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	421.2	7.0			
FM	(30°-60°)	1861.2	30.7			
FH	(60°-80°)	2405.4	39.7			G2/5000
FVH	(80°-90°)	185.0	3.1			G2/225
BL	(0°-30°)	325.5	5.4	B1/500		
BM	(30°-60°)	366.7	6.1	B1/1000		
BH	(60°-80°)	462.4	7.6	B1/500		G1/500
BVH	(80°-90°)	26.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6
2.5°	1153.8	1153.8	1161.6	1161.6	1172.0	1174.5	1184.9	1190.1	1195.3	1203.1	1218.6
5°	1070.8	1068.2	1076.0	1089.0	1102.0	1114.9	1133.1	1151.2	1159.0	1172.0	1197.9
7.5°	1008.6	1008.6	1013.8	1021.6	1039.7	1055.3	1083.8	1104.5	1122.7	1140.8	1177.1
10°	961.9	961.9	967.1	974.9	993.1	1006.0	1031.9	1068.2	1083.8	1109.7	1156.4
12.5°	917.9	923.0	925.6	936.0	949.0	967.1	993.1	1031.9	1057.9	1089.0	1151.2
15°	897.1	897.1	899.7	907.5	920.5	938.6	969.7	1011.2	1039.7	1076.0	1153.8
17.5°	891.9	889.3	886.7	889.3	902.3	920.5	951.6	998.2	1029.4	1070.8	1166.8
20°	894.5	891.9	889.3	884.2	889.3	907.5	946.4	993.1	1024.2	1068.2	1187.5
22.5°	907.5	907.5	902.3	891.9	889.3	902.3	943.8	993.1	1026.8	1070.8	1208.3
25°	943.8	941.2	936.0	915.3	899.7	904.9	943.8	998.2	1031.9	1076.0	1226.4
27.5°	982.7	982.7	977.5	959.3	928.2	915.3	949.0	1006.0	1039.7	1081.2	1247.1
30°	1044.9	1042.3	1037.1	1016.4	977.5	936.0	959.3	1013.8	1044.9	1083.8	1265.3
32.5°	1120.1	1120.1	1122.7	1096.8	1039.7	972.3	969.7	1019.0	1047.5	1086.4	1286.0
35°	1208.3	1210.8	1218.6	1197.9	1127.9	1026.8	995.6	1031.9	1052.7	1089.0	1306.8
37.5°	1273.1	1275.7	1304.2	1309.4	1226.4	1099.4	1037.1	1057.9	1063.1	1094.2	1327.5
40°	1348.3	1348.3	1389.8	1420.9	1366.4	1200.5	1094.2	1089.0	1086.4	1114.9	1353.5
42.5°	1431.2	1441.6	1477.9	1529.8	1506.4	1317.2	1174.5	1143.4	1130.5	1151.2	1394.9
45°	1509.0	1514.2	1581.6	1641.3	1643.9	1475.3	1288.6	1229.0	1192.7	1216.0	1470.1
47.5°	1594.6	1602.4	1685.3	1781.3	1799.4	1643.9	1418.3	1335.3	1288.6	1312.0	1579.0
50°	1719.0	1732.0	1802.0	1918.7	1968.0	1843.5	1584.2	1483.1	1431.2	1441.6	1732.0
52.5°	1918.7	1916.1	1949.8	2063.9	2183.2	2063.9	1807.2	1664.6	1594.6	1610.1	1929.1
55°	2038.0	2035.4	2082.0	2206.5	2424.3	2341.3	2053.5	1879.8	1815.0	1807.2	2157.2
57.5°	1931.7	1936.8	2017.2	2211.7	2587.6	2774.3	2323.2	2141.7	2030.2	2043.1	2434.7
60°	1615.3	1584.2	1675.0	1939.4	2538.4	3259.2	2706.9	2458.0	2341.3	2318.0	2784.7
62.5°	1089.0	1099.4	1159.0	1330.1	2172.8	3391.4	3687.0	2852.1	2691.4	2649.9	3114.0
65°	819.3	816.7	819.3	847.9	1177.1	3267.0	4700.8	3375.9	3124.4	2986.9	3461.4
67.5°	684.5	676.7	674.1	739.0	733.8	2056.1	5037.9	4566.0	3655.9	3365.5	3798.5
70°	580.8	565.2	560.1	663.8	681.9	728.6	4999.0	6780.2	4695.6	3894.4	4244.5
72.5°	440.8	438.2	448.6	565.2	671.5	637.8	3010.3	7750.0	7221.0	4916.0	5164.9
75°	313.7	311.1	339.7	458.9	681.9	648.2	941.2	7703.3	8286.7	6443.2	5779.4
77.5°	207.4	204.8	230.8	329.3	640.4	650.8	614.5	5577.2	6443.2	6036.1	4737.1
80°	137.4	132.2	150.4	228.2	513.4	697.5	601.5	2761.4	3285.1	2795.1	1573.8
82.5°	80.4	77.8	95.9	158.2	337.1	689.7	606.7	868.6	710.4	363.0	197.1
85°	41.5	44.1	62.2	95.9	217.8	609.3	648.2	446.0	207.4	147.8	98.5
87.5°	13.0	18.1	33.7	51.9	121.9	420.0	575.6	344.8	150.4	95.9	54.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6	1231.6
2.5°	1223.8	1231.6	1247.1	1265.3	1283.4	1291.2	1301.6	1304.2	1309.4	1312.0	1309.4
5°	1216.0	1234.2	1267.9	1291.2	1306.8	1304.2	1301.6	1293.8	1291.2	1288.6	1283.4
7.5°	1200.5	1231.6	1280.9	1301.6	1291.2	1260.1	1234.2	1203.1	1192.7	1179.7	1177.1
10°	1192.7	1236.8	1286.0	1283.4	1242.0	1182.3	1130.5	1081.2	1047.5	1026.8	1016.4
12.5°	1200.5	1254.9	1296.4	1249.7	1177.1	1086.4	995.6	920.5	845.3	819.3	806.4
15°	1223.8	1283.4	1296.4	1205.7	1094.2	964.5	827.1	707.8	619.7	575.6	567.8
17.5°	1252.3	1306.8	1278.3	1151.2	998.2	811.6	648.2	495.2	427.8	409.7	407.1
20°	1286.0	1335.3	1249.7	1083.8	873.8	653.4	440.8	363.0	355.2	357.8	360.4
22.5°	1314.6	1348.3	1203.1	993.1	726.0	438.2	308.5	293.0	308.5	329.3	334.5
25°	1335.3	1340.5	1151.2	879.0	557.5	280.0	243.7	241.1	264.5	300.8	311.1
27.5°	1348.3	1314.6	1081.2	757.1	342.3	217.8	199.6	207.4	225.6	251.5	256.7
30°	1356.0	1288.6	1013.8	630.1	217.8	184.1	181.5	186.7	194.5	207.4	210.0
32.5°	1358.6	1262.7	941.2	469.3	184.1	168.5	168.5	173.7	176.3	184.1	184.1
35°	1353.5	1231.6	868.6	295.6	168.5	163.3	160.8	160.8	160.8	163.3	163.3
37.5°	1340.5	1200.5	783.0	197.1	160.8	155.6	153.0	153.0	150.4	150.4	150.4
40°	1332.7	1174.5	702.7	171.1	153.0	150.4	147.8	142.6	140.0	140.0	140.0
42.5°	1340.5	1161.6	604.1	163.3	147.8	145.2	140.0	134.8	134.8	134.8	134.8
45°	1374.2	1164.2	479.7	158.2	145.2	140.0	132.2	127.0	127.0	129.6	129.6
47.5°	1439.0	1187.5	370.8	153.0	140.0	134.8	124.5	121.9	121.9	121.9	121.9
50°	1537.5	1234.2	293.0	147.8	137.4	129.6	121.9	116.7	116.7	116.7	114.1
52.5°	1677.6	1319.7	230.8	145.2	134.8	127.0	116.7	111.5	108.9	108.9	106.3
55°	1872.0	1454.6	212.6	145.2	129.6	121.9	111.5	103.7	101.1	98.5	98.5
57.5°	2131.3	1646.4	210.0	142.6	121.9	114.1	103.7	95.9	93.3	93.3	90.7
60°	2447.6	1903.1	212.6	137.4	116.7	106.3	95.9	90.7	85.6	85.6	85.6
62.5°	2802.8	2183.2	212.6	134.8	114.1	101.1	90.7	83.0	80.4	77.8	77.8
65°	3163.2	2525.4	228.2	132.2	108.9	90.7	83.0	77.8	72.6	72.6	72.6
67.5°	3559.9	2942.9	311.1	132.2	103.7	83.0	75.2	70.0	67.4	67.4	67.4
70°	4073.3	3632.5	471.9	165.9	106.3	77.8	67.4	64.8	62.2	62.2	62.2
72.5°	5128.6	4428.5	376.0	230.8	124.5	70.0	59.6	57.0	57.0	54.4	54.4
75°	5133.8	3928.1	357.8	246.3	134.8	64.8	54.4	51.9	49.3	49.3	49.3
77.5°	3795.9	2564.3	306.0	191.9	116.7	57.0	49.3	46.7	44.1	44.1	44.1
80°	1120.1	661.2	191.9	140.0	75.2	46.7	41.5	38.9	36.3	36.3	36.3
82.5°	191.9	173.7	88.2	75.2	46.7	36.3	33.7	31.1	28.5	28.5	28.5
85°	93.3	90.7	49.3	41.5	31.1	25.9	25.9	23.3	20.7	20.7	20.7
87.5°	57.0	51.9	36.3	23.3	18.1	13.0	15.6	13.0	13.0	10.4	10.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)