

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: P561061

Luminaire Tested: **SDL-PA1-80-730-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561061
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-730-U-SL3
Description: Springdale
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8452.1 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

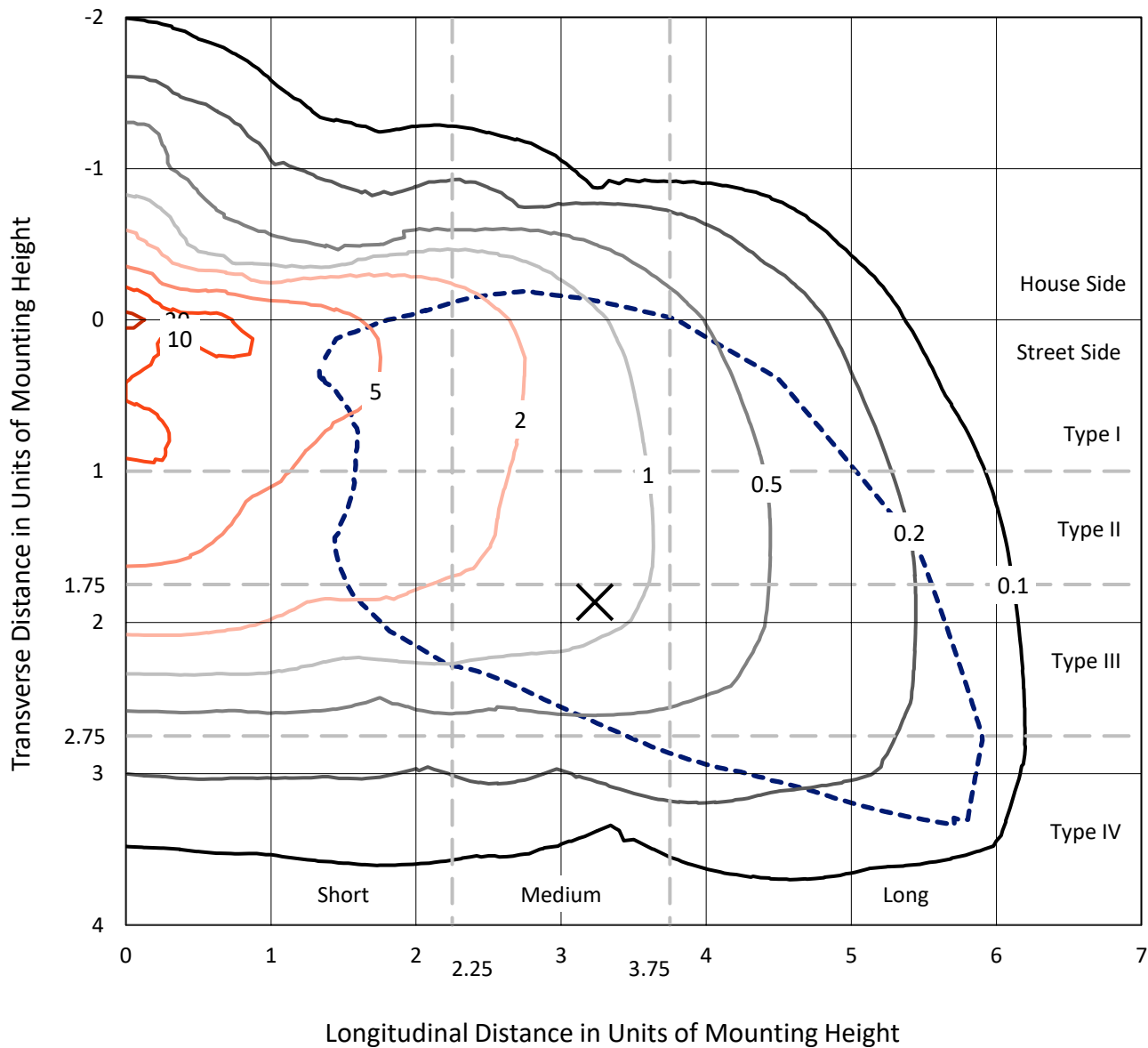
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P561061
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Iso-Footcandle Lines of Horizontal Illumination

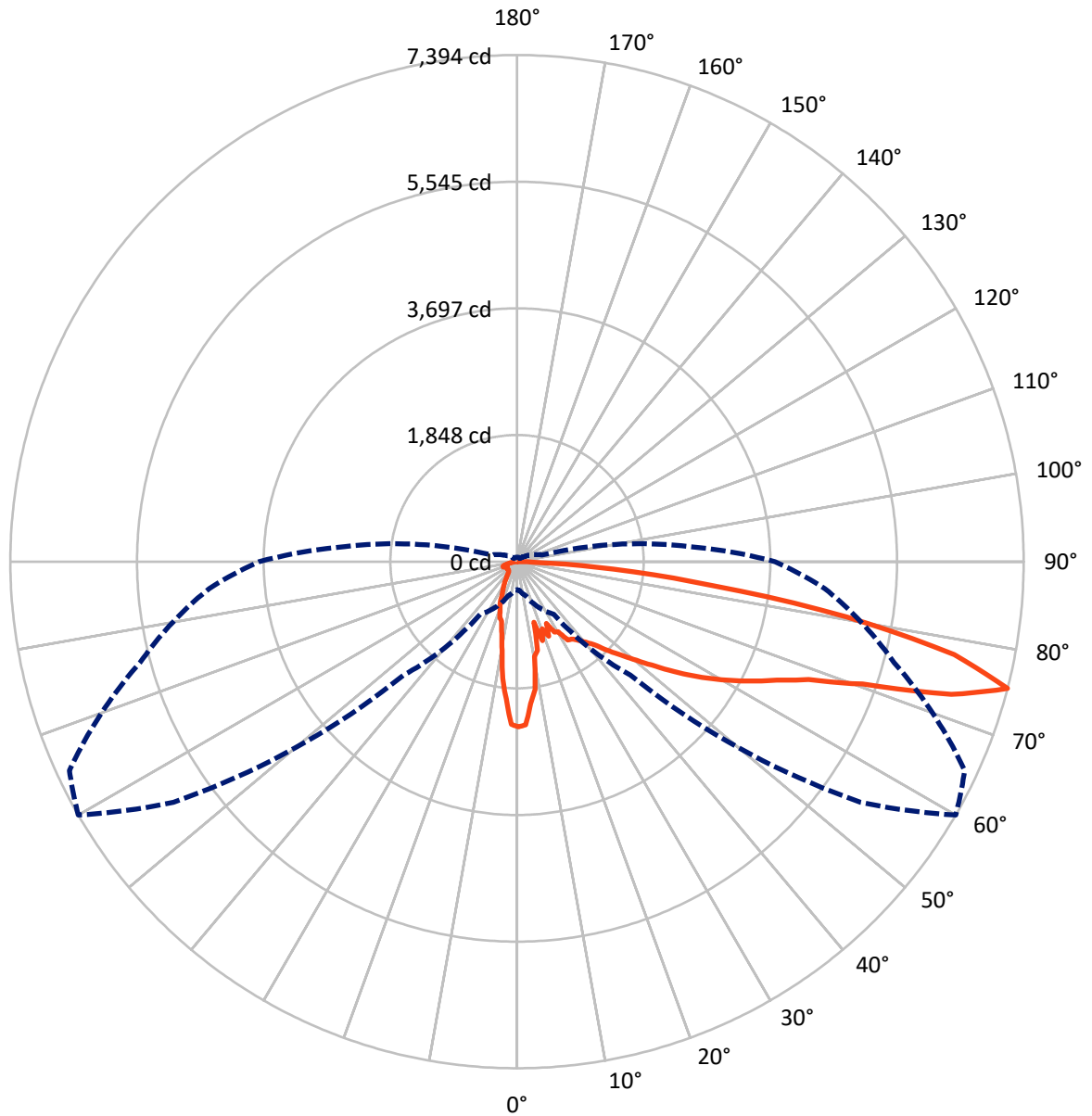
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P561061
CATALOG NUMBER: SDL-PA1-80-730-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P561061

CATALOG NUMBER: SDL-PA1-80-730-U-SL3

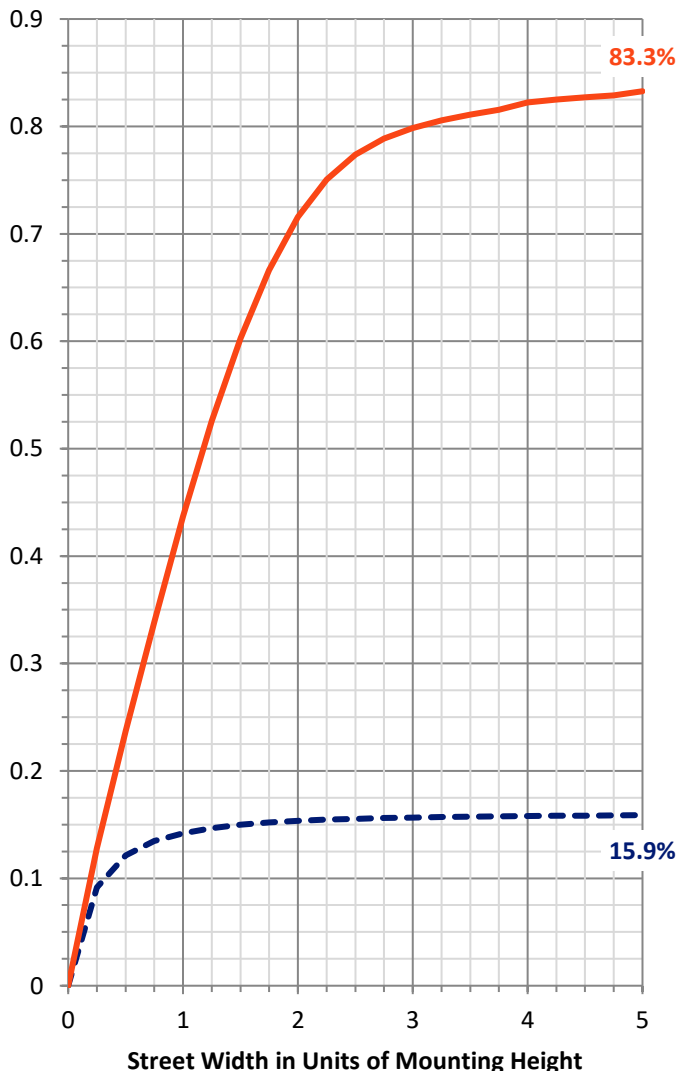
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1358.6	0.0	1358.6
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	7093.6	0.0	7093.6
	% Fixture	83.9	0.0	83.9
Total	Lumens	8452.1	0.0	8452.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.9	2.1
10°-20°	317.3	3.8
20°-30°	415.7	4.9
30°-40°	685.9	8.1
40°-50°	1071.1	12.7
50°-60°	1630.7	19.3
60°-70°	2020.5	23.9
70°-80°	1785.0	21.1
80°-90°	349.9	4.1
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°	8452.1	100.0
0°-180°	8452.1	100.0

Coefficient of Utilization



REPORT NUMBER: P561061

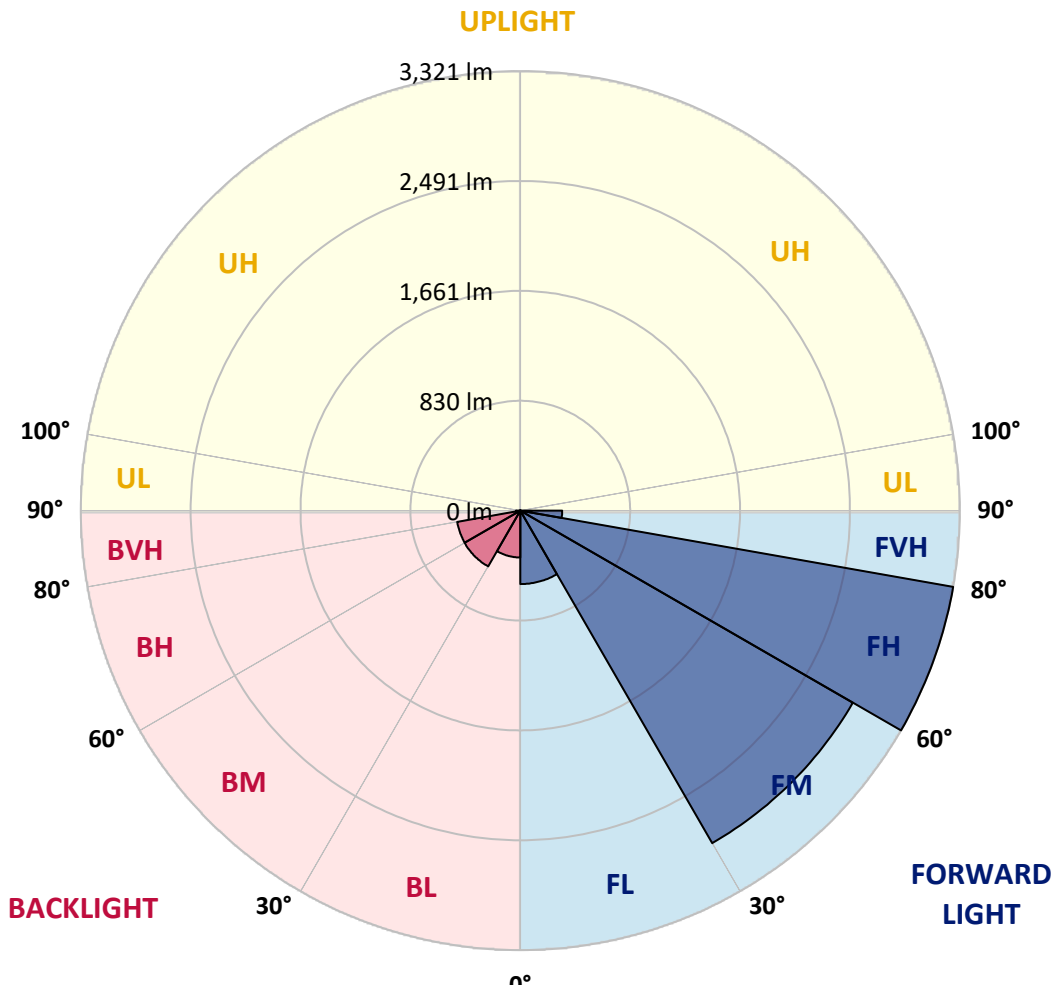
CATALOG NUMBER: SDL-PA1-80-730-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	554.9	6.6			
FM (30°-60°)	2901.0	34.3			
FH (60°-80°)	3321.1	39.3			G2/5000
FVH (80°-90°)	316.6	3.7			G3/500
BL (0°-30°)	353.9	4.2	B1/500		
BM (30°-60°)	486.8	5.8	B1/1000		
BH (60°-80°)	484.5	5.7	B1/500		G1/500
BVH (80°-90°)	33.4	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-G3

Type III Medium





REPORT NUMBER: P561061
 CATALOG NUMBER: SDL-PA1-80-730-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2410.9	2410.9	2410.9	2410.9	2410.9	2410.9	2410.9	2410.9	2410.9	2410.9	2410.9
2.5°	2002.4	2228.3	2175.7	2123.1	2203.5	2280.9	2305.7	2327.3	2339.7	2352.1	2364.5
5°	1860.0	1863.1	1866.2	1869.3	1878.6	1884.8	1897.1	1909.5	1921.9	1931.2	1943.6
7.5°	1436.0	1485.5	1566.0	1646.5	1696.0	1742.4	1770.2	1795.0	1813.6	1832.1	1850.7
10°	1596.9	1606.2	1609.3	1609.3	1624.8	1640.3	1522.7	1402.0	1460.8	1519.6	1454.6
12.5°	1253.4	1287.5	1389.6	1488.6	1519.6	1547.4	1491.7	1436.0	1349.4	1259.6	1253.4
15°	1439.1	1448.4	1451.5	1451.5	1355.5	1259.6	1194.6	1126.5	1179.1	1228.7	1114.1
17.5°	1114.1	1123.4	1203.9	1284.4	1299.8	1315.3	1247.2	1179.1	1027.5	872.7	1018.2
20°	1324.6	1330.8	1330.8	1330.8	1169.9	1008.9	1021.3	1030.6	1080.1	1129.6	1089.4
22.5°	1067.7	1067.7	1067.7	1067.7	1117.2	1163.7	1064.6	965.6	1021.3	1077.0	1027.5
25°	1343.2	1352.4	1330.8	1306.0	1157.5	1008.9	1055.3	1101.8	1018.2	934.6	1008.9
27.5°	1225.6	1216.3	1172.9	1126.5	1148.2	1169.9	1067.7	965.6	1030.6	1095.6	1064.6
30°	1627.9	1600.0	1553.6	1507.2	1330.8	1154.4	1126.5	1098.7	1043.0	984.2	1049.2
32.5°	2163.3	2092.1	1875.5	1658.8	1550.5	1442.2	1302.9	1163.7	1151.3	1135.8	1154.4
35°	2305.7	2259.2	2169.5	2076.6	1890.9	1702.2	1525.8	1346.3	1287.5	1225.6	1237.9
37.5°	2333.5	2318.0	2299.5	2277.8	2089.0	1900.2	1708.4	1516.5	1454.6	1389.6	1343.2
40°	2355.2	2367.6	2401.6	2432.5	2243.8	2051.9	1878.6	1702.2	1637.2	1569.1	1488.6
42.5°	2454.2	2488.3	2531.6	2571.8	2398.5	2225.2	2073.5	1921.9	1838.3	1754.8	1680.5
45°	2683.2	2701.8	2748.2	2791.5	2627.5	2460.4	2287.1	2110.7	2039.5	1968.3	1894.0
47.5°	3017.5	3048.4	3045.3	3042.2	2859.6	2673.9	2479.0	2280.9	2234.5	2185.0	2113.8
50°	3438.4	3416.7	3357.9	3299.1	3101.0	2899.9	2670.8	2438.7	2417.1	2392.3	2333.5
52.5°	3648.8	3633.3	3552.9	3469.3	3268.2	3067.0	2819.4	2568.7	2596.6	2624.4	2568.7
55°	3661.2	3651.9	3593.1	3534.3	3339.3	3144.4	2924.6	2704.9	2773.0	2841.1	2819.4
57.5°	3571.4	3574.5	3556.0	3534.3	3361.0	3187.7	3005.1	2822.5	2940.1	3054.6	3076.3
60°	3342.4	3388.9	3419.8	3450.7	3342.4	3234.1	3076.3	2918.4	3097.9	3277.4	3336.2
62.5°	2918.4	2958.7	3070.1	3178.4	3200.1	3218.6	3113.4	3005.1	3246.5	3484.8	3580.7
65°	2262.3	2318.0	2485.2	2652.3	2825.6	2998.9	3023.7	3048.4	3456.9	3865.5	3945.9
67.5°	1411.2	1442.2	1618.6	1791.9	2141.6	2488.3	2686.3	2884.4	3590.0	4292.5	4419.4
70°	745.9	792.3	878.9	962.5	1262.7	1562.9	1965.2	2367.6	3388.9	4410.1	4930.1
72.5°	566.4	584.9	631.3	677.8	783.0	888.2	1142.0	1395.8	2652.3	3905.7	5103.4
75°	408.5	424.0	473.5	519.9	625.2	727.3	832.5	934.6	1637.2	2339.7	4230.6
77.5°	238.3	244.5	269.3	290.9	454.9	619.0	733.5	844.9	1015.1	1182.2	3020.6
80°	164.0	167.1	176.4	185.7	256.9	328.1	547.8	767.5	844.9	919.2	2002.4
82.5°	108.3	123.8	130.0	136.2	160.9	185.7	321.9	454.9	668.5	878.9	1367.9
85°	55.7	61.9	74.3	83.6	95.9	105.2	145.5	182.6	554.0	922.3	984.2
87.5°	6.2	9.3	12.4	12.4	15.5	18.6	27.9	37.1	167.1	297.1	253.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561061
 CATALOG NUMBER: SDL-PA1-80-730-U-SL3

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2410.9	2410.9	2410.9	2410.9	2410.9	2410.9	2410.9	2410.9	2410.9	2410.9	2410.9
2.5°	2376.8	2383.0	2379.9	2386.1	2389.2	2392.3	2395.4	2395.4	2392.3	2386.1	2379.9
5°	1955.9	2079.7	2290.2	2311.8	2333.5	2339.7	2345.9	2349.0	2342.8	2333.5	2324.2
7.5°	1866.2	1884.8	1696.0	1847.6	1996.2	2008.6	2017.8	2011.6	2014.7	1931.2	1844.5
10°	1389.6	1405.1	1411.2	1457.7	1501.0	1603.1	1705.3	1689.8	1677.4	1528.9	1377.2
12.5°	1247.2	1327.7	1346.3	1268.9	1191.5	1296.7	1402.0	1389.6	1367.9	1231.7	1095.6
15°	999.6	916.1	1095.6	1262.7	1426.7	1525.8	1621.7	1593.8	1569.1	1395.8	1219.4
17.5°	1160.6	1210.1	1151.3	1176.0	1200.8	1275.1	1346.3	1302.9	1287.5	1166.8	1043.0
20°	1049.2	1046.1	1005.8	1151.3	1296.7	1442.2	1584.6	1541.2	1467.0	1231.7	993.4
22.5°	978.0	1179.1	1265.8	1247.2	1225.6	1169.9	1111.0	1073.9	1018.2	965.6	909.9
25°	1080.1	996.5	1064.6	1287.5	1507.2	1547.4	1587.7	1494.8	1374.1	1135.8	897.5
27.5°	1033.7	1163.7	1250.3	1398.9	1544.3	1683.6	1822.9	1699.1	1541.2	1244.1	943.9
30°	1114.1	1185.3	1426.7	1705.3	1983.8	2033.3	2079.7	1909.5	1699.1	1398.9	1098.7
32.5°	1172.9	1361.7	1575.3	1791.9	2005.5	2042.6	2079.7	1887.9	1646.5	1315.3	984.2
35°	1247.2	1386.5	1581.5	1835.2	2089.0	2098.3	2104.5	1881.7	1609.3	1234.8	857.3
37.5°	1296.7	1454.6	1665.0	1934.3	2203.5	2185.0	2163.3	1909.5	1596.9	1179.1	761.3
40°	1408.2	1544.3	1770.2	2045.7	2321.1	2290.2	2259.2	1968.3	1600.0	1123.4	643.7
42.5°	1603.1	1655.7	1900.2	2194.2	2488.3	2454.2	2417.1	2070.4	1637.2	1092.5	544.7
45°	1816.7	1841.4	2051.9	2386.1	2720.4	2677.0	2633.7	2228.3	1705.3	1077.0	448.8
47.5°	2039.5	2033.3	2228.3	2633.7	3036.0	2943.2	2850.3	2414.0	1832.1	1108.0	383.8
50°	2271.6	2262.3	2451.1	2887.5	3323.9	3224.8	3125.8	2636.8	1977.6	1163.7	346.6
52.5°	2509.9	2531.6	2670.8	3125.8	3577.6	3487.9	3395.0	2878.2	2120.0	1225.6	331.1
55°	2794.6	2862.7	2918.4	3373.4	3828.3	3738.6	3645.7	3125.8	2318.0	1321.5	325.0
57.5°	3094.8	3184.6	3209.4	3624.1	4038.8	3980.0	3918.1	3361.0	2519.2	1432.9	343.5
60°	3395.0	3512.6	3602.4	3936.6	4267.8	4199.7	4131.6	3599.3	2708.0	1556.7	405.4
62.5°	3673.6	3837.6	3983.1	4227.6	4469.0	4388.5	4308.0	3806.7	2921.5	1726.9	529.2
65°	4023.3	4168.8	4326.6	4487.5	4645.4	4568.0	4490.6	4066.6	3206.3	1940.5	671.6
67.5°	4546.3	4589.7	4670.1	4769.2	4865.1	4818.7	4769.2	4385.4	3453.8	2064.3	671.6
70°	5446.9	5351.0	5230.3	5227.2	5221.0	5146.7	5069.4	4564.9	3469.3	2014.7	560.2
72.5°	6298.0	6626.1	6242.3	5963.8	5685.2	5357.2	5026.0	4323.5	3063.9	1754.8	445.7
75°	6118.5	7393.6	7207.9	6452.7	5697.6	5103.4	4509.2	3766.4	2522.3	1451.5	380.7
77.5°	4855.8	6523.9	6700.3	6007.1	5310.7	4506.1	3698.3	2912.2	1748.6	1033.7	318.8
80°	3082.5	4877.5	4908.4	4264.7	3617.9	2754.4	1890.9	1268.9	841.8	547.8	253.8
82.5°	1856.9	2887.5	2513.0	1801.2	1089.4	755.1	417.8	402.3	309.5	229.0	148.6
85°	1046.1	1414.3	1015.1	665.4	315.7	225.9	133.1	142.4	136.2	111.4	83.6
87.5°	207.4	244.5	167.1	95.9	24.8	24.8	21.7	21.7	15.5	15.5	12.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561061
 CATALOG NUMBER: SDL-PA1-80-730-U-SL3

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2410.9	2410.9	2410.9	2410.9	2410.9	2410.9	2410.9	2410.9	2410.9	2410.9	2410.9
2.5°	2379.9	2379.9	2373.7	2367.6	2364.5	2361.4	2268.5	2175.7	2113.8	2048.8	2033.3
5°	2209.7	2095.2	2008.6	1921.9	1903.3	1884.8	1881.7	1878.6	1869.3	1856.9	1853.8
7.5°	1745.5	1643.4	1714.5	1782.6	1770.2	1754.8	1745.5	1733.1	1711.4	1689.8	1581.5
10°	1343.2	1309.1	1309.1	1306.0	1281.3	1256.5	1312.2	1367.9	1429.8	1491.7	1485.5
12.5°	1145.1	1191.5	1070.8	947.0	1015.1	1080.1	1142.0	1200.8	1231.7	1262.7	1166.8
15°	1080.1	937.7	897.5	857.3	888.2	919.2	829.4	736.6	807.8	878.9	894.4
17.5°	968.7	894.4	854.2	810.8	693.2	572.5	612.8	653.0	649.9	646.8	631.3
20°	903.7	810.8	739.7	665.4	609.7	554.0	495.2	433.3	405.4	374.5	448.8
22.5°	860.4	810.8	662.3	513.7	470.4	427.1	380.7	331.1	349.7	365.2	377.6
25°	752.0	603.5	519.9	436.4	368.3	297.1	300.2	303.3	287.8	272.3	343.5
27.5°	761.3	575.6	445.7	315.7	290.9	263.1	247.6	229.0	253.8	275.4	281.6
30°	798.5	498.3	377.6	256.9	229.0	201.2	210.4	216.6	216.6	216.6	247.6
32.5°	708.7	433.3	321.9	207.4	191.9	173.3	176.4	176.4	191.9	207.4	222.8
35°	600.4	340.4	263.1	182.6	167.1	151.6	157.8	164.0	179.5	195.0	216.6
37.5°	516.8	269.3	216.6	164.0	154.7	145.5	148.6	151.6	167.1	179.5	198.1
40°	436.4	225.9	191.9	157.8	148.6	139.3	142.4	142.4	154.7	167.1	179.5
42.5°	377.6	207.4	182.6	154.7	145.5	133.1	136.2	136.2	145.5	154.7	164.0
45°	325.0	198.1	176.4	151.6	142.4	130.0	130.0	126.9	136.2	142.4	148.6
47.5°	290.9	195.0	173.3	151.6	139.3	123.8	120.7	117.6	126.9	133.1	142.4
50°	272.3	195.0	173.3	148.6	133.1	117.6	114.5	111.4	123.8	133.1	148.6
52.5°	266.2	198.1	173.3	148.6	130.0	111.4	111.4	111.4	133.1	154.7	160.9
55°	266.2	204.3	176.4	145.5	126.9	108.3	114.5	120.7	126.9	133.1	133.1
57.5°	272.3	201.2	170.2	139.3	126.9	111.4	108.3	105.2	108.3	111.4	111.4
60°	300.2	195.0	164.0	133.1	117.6	102.1	99.0	95.9	102.1	105.2	105.2
62.5°	362.1	191.9	164.0	133.1	114.5	95.9	95.9	92.8	95.9	99.0	102.1
65°	442.6	213.5	173.3	133.1	114.5	95.9	89.8	83.6	89.8	92.8	92.8
67.5°	461.1	250.7	201.2	148.6	120.7	92.8	86.7	80.5	86.7	89.8	89.8
70°	417.8	275.4	216.6	157.8	126.9	92.8	86.7	77.4	80.5	83.6	80.5
72.5°	359.0	269.3	213.5	154.7	123.8	89.8	83.6	74.3	77.4	77.4	74.3
75°	306.4	232.1	182.6	130.0	105.2	77.4	71.2	65.0	68.1	68.1	68.1
77.5°	256.9	191.9	148.6	102.1	83.6	61.9	58.8	55.7	58.8	61.9	58.8
80°	201.2	145.5	111.4	74.3	61.9	46.4	49.5	49.5	52.6	52.6	52.6
82.5°	117.6	86.7	71.2	52.6	43.3	34.0	37.1	40.2	43.3	43.3	43.3
85°	71.2	55.7	46.4	37.1	30.9	21.7	27.9	30.9	30.9	30.9	27.9
87.5°	12.4	12.4	12.4	12.4	9.3	6.2	12.4	15.5	15.5	15.5	12.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561061
 CATALOG NUMBER: SDL-PA1-80-730-U-SL3

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	2410.9	2410.9	2410.9	2410.9
2.5°	2014.7	2014.7	2011.6	2011.6
5°	1850.7	1844.5	1838.3	1844.5
7.5°	1473.1	1429.8	1386.5	1398.9
10°	1476.2	1473.1	1470.0	1467.0
12.5°	1067.7	1033.7	999.6	978.0
15°	906.8	897.5	885.1	885.1
17.5°	612.8	584.9	557.1	538.5
20°	523.0	538.5	550.9	557.1
22.5°	390.0	402.3	414.7	420.9
25°	411.6	442.6	470.4	473.5
27.5°	284.7	300.2	312.6	306.4
30°	278.5	287.8	297.1	297.1
32.5°	238.3	263.1	287.8	290.9
35°	238.3	250.7	263.1	266.2
37.5°	213.5	222.8	229.0	232.1
40°	191.9	198.1	201.2	201.2
42.5°	170.2	185.7	198.1	198.1
45°	151.6	191.9	232.1	244.5
47.5°	148.6	207.4	266.2	278.5
50°	160.9	216.6	269.3	275.4
52.5°	164.0	195.0	222.8	222.8
55°	130.0	145.5	157.8	154.7
57.5°	111.4	123.8	133.1	133.1
60°	105.2	120.7	133.1	136.2
62.5°	102.1	108.3	114.5	120.7
65°	92.8	92.8	92.8	92.8
67.5°	86.7	86.7	83.6	83.6
70°	77.4	77.4	77.4	77.4
72.5°	71.2	71.2	71.2	68.1
75°	65.0	65.0	61.9	61.9
77.5°	55.7	55.7	55.7	55.7
80°	49.5	49.5	46.4	46.4
82.5°	40.2	40.2	37.1	34.0
85°	24.8	24.8	21.7	18.6
87.5°	9.3	9.3	6.2	3.1
90°	0.0	0.0	0.0	0.0

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

Scaled Data Report



Report Generated By 670245982

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