

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: P560650

Luminaire Tested: **SDL-PA1-50-830-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-830-U-T2U-HSS
Description: Springdale
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3693.9 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 52.4
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

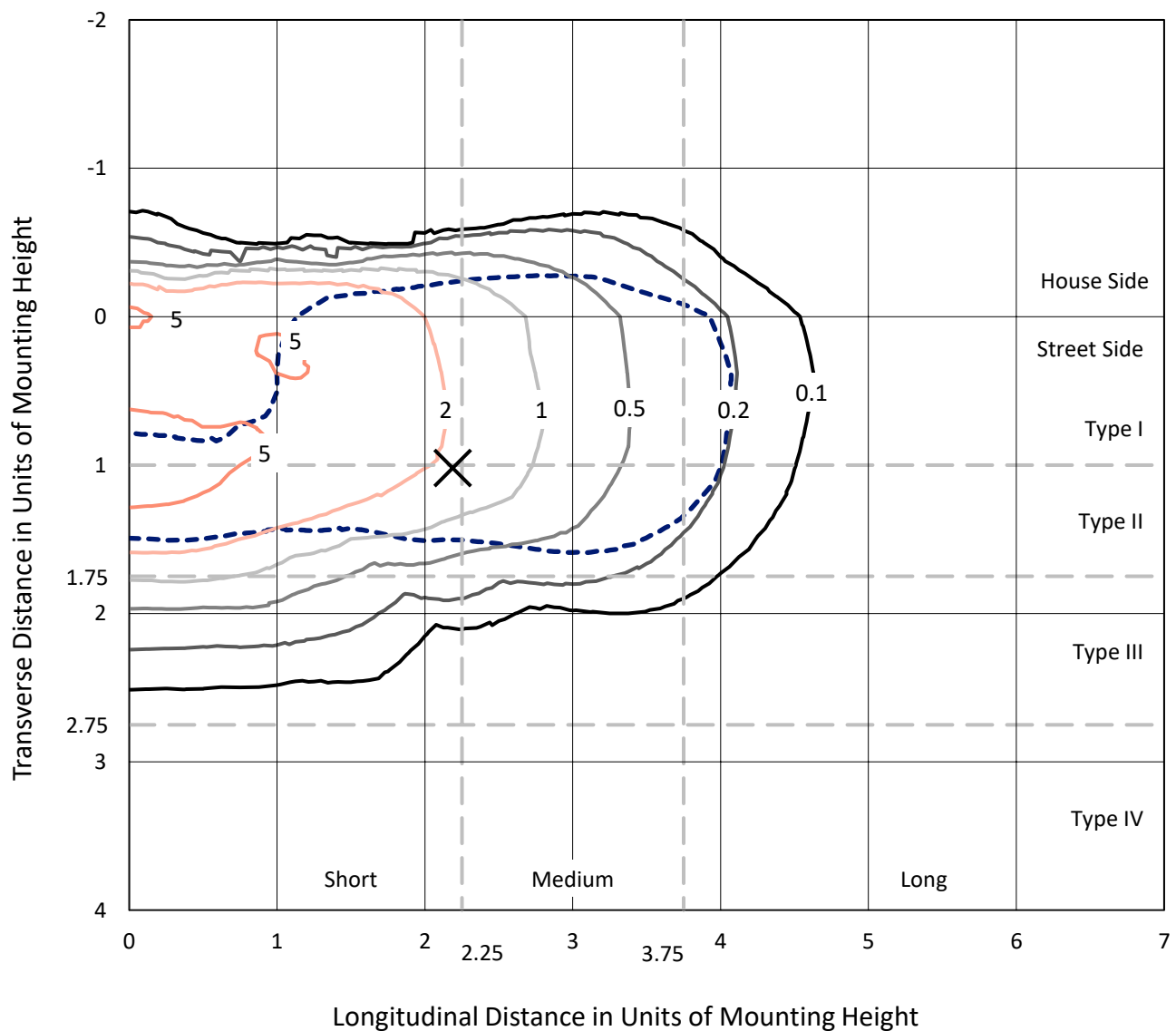


REPORT NUMBER: P560650

CATALOG NUMBER: SDL-PA1-50-830-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

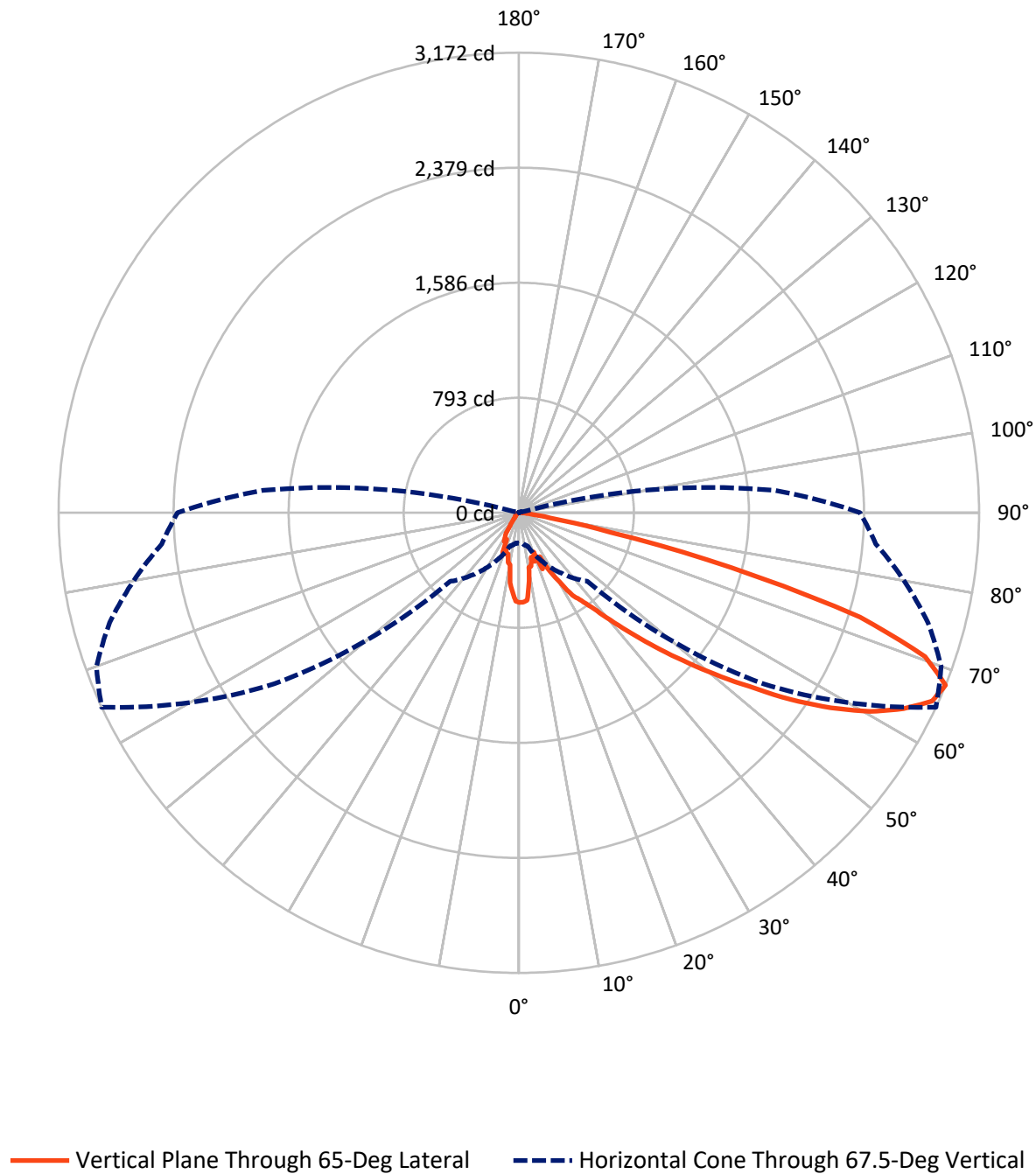


Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
Type II - Short - N/A

REPORT NUMBER: P560650

CATALOG NUMBER: SDL-PA1-50-830-U-T2U-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P560650

CATALOG NUMBER: SDL-PA1-50-830-U-T2U-HSS

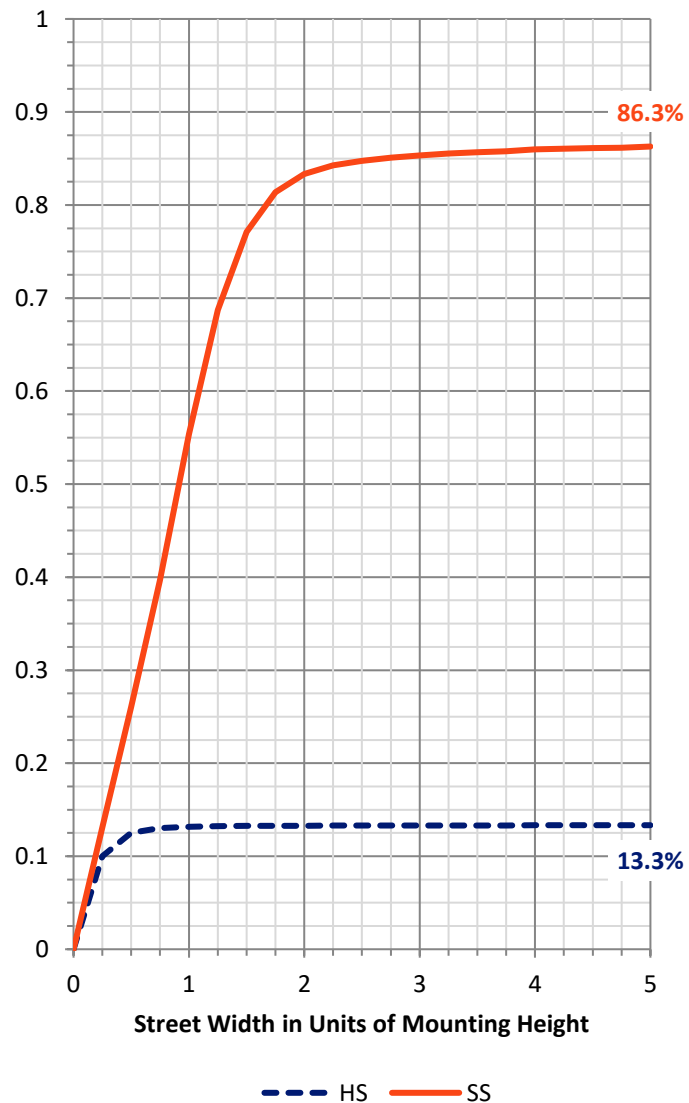
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	499.5	0.0	499.5
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	3194.4	0.0	3194.4
	% Fixture	86.5	0.0	86.5
Total	Lumens	3693.9	0.0	3693.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.5	1.3
10°-20°	91.8	2.5
20°-30°	138.6	3.8
30°-40°	319.3	8.6
40°-50°	700.5	19.0
50°-60°	1028.4	27.8
60°-70°	893.3	24.2
70°-80°	442.9	12.0
80°-90°	31.5	0.9
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°	3693.9	100.0
0°-180°	3693.9	100.0

Coefficient of Utilization



REPORT NUMBER: P560650

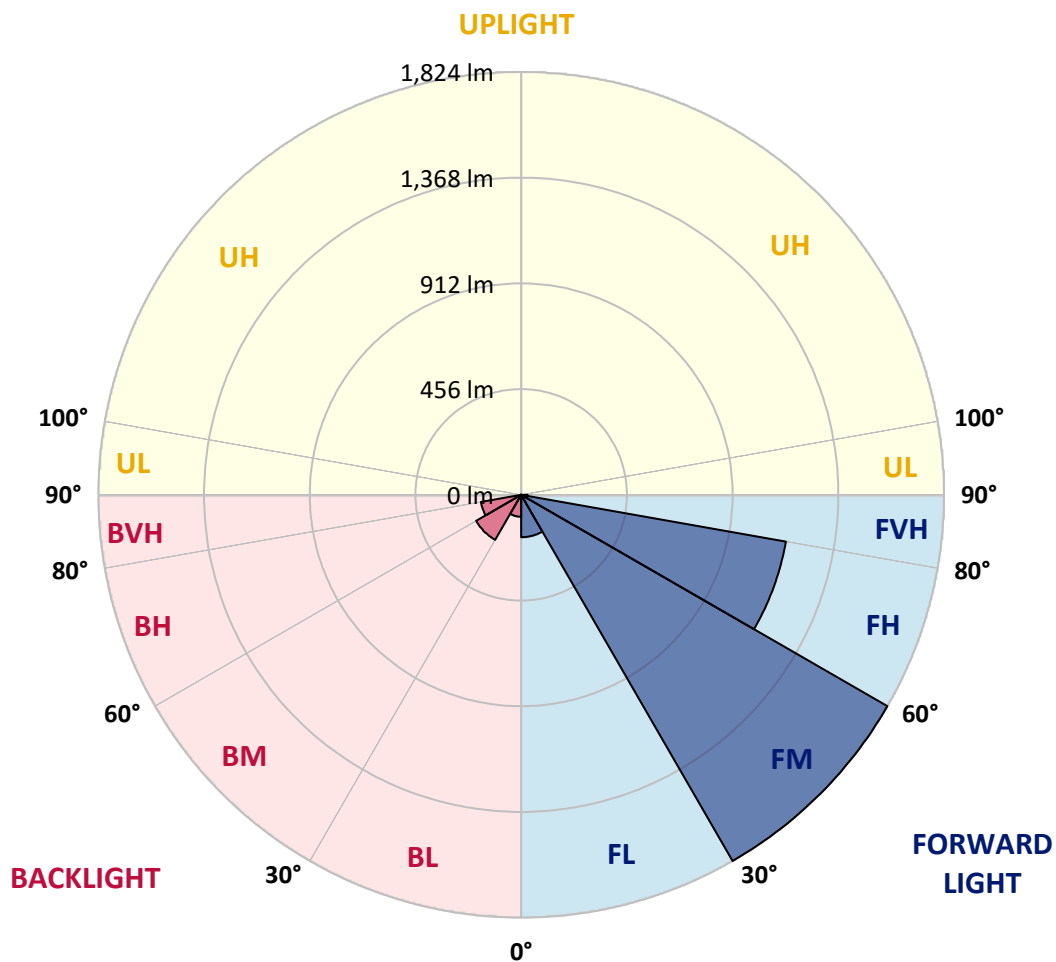
CATALOG NUMBER: SDL-PA1-50-830-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	183.1	5.0			
FM	(30°-60°)	1824.0	49.4			
FH	(60°-80°)	1159.7	31.4			G1/1800
FVH	(80°-90°)	27.7	0.7			G1/100
BL	(0°-30°)	94.9	2.6	B0/110		
BM	(30°-60°)	224.3	6.1	B1/1000		
BH	(60°-80°)	176.5	4.8	B1/500		G1/500
BVH	(80°-90°)	3.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



REPORT NUMBER: P560650

CATALOG NUMBER: SDL-PA1-50-830-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4
2.5°	517.8	560.7	573.7	586.8	597.9	609.1	611.0	612.8	616.6	618.4	620.3
5°	506.7	508.5	508.5	506.7	508.5	510.4	510.4	510.4	510.4	510.4	512.3
7.5°	406.1	454.5	469.4	482.5	489.9	495.5	499.2	501.1	502.9	504.8	506.7
10°	489.9	488.0	489.9	489.9	491.8	491.8	448.9	406.1	421.0	434.0	411.7
12.5°	389.3	428.4	445.2	462.0	473.1	482.5	463.8	443.3	404.2	363.2	365.1
15°	469.4	469.4	469.4	469.4	434.0	396.8	372.5	346.5	367.0	385.6	348.3
17.5°	378.1	378.1	411.7	445.2	445.2	443.3	419.1	393.0	340.9	288.7	335.3
20°	467.5	467.5	469.4	471.3	409.8	348.3	368.8	387.5	394.9	402.4	385.6
22.5°	381.9	381.9	387.5	391.2	413.5	435.9	376.3	316.7	365.1	413.5	380.0
25°	493.6	495.5	499.2	501.1	445.2	387.5	413.5	439.6	387.5	335.3	387.5
27.5°	447.1	439.6	439.6	437.7	456.4	473.1	435.9	398.6	432.2	465.7	426.6
30°	627.7	622.2	614.7	607.3	536.5	465.7	467.5	467.5	454.5	441.5	463.8
32.5°	869.9	860.6	797.3	733.9	681.8	629.6	575.6	521.6	540.2	557.0	545.8
35°	1167.9	1167.9	1108.3	1048.7	931.4	814.0	722.7	629.6	622.2	614.7	625.9
37.5°	1521.9	1484.6	1413.8	1343.0	1197.7	1050.6	910.9	771.2	754.4	735.8	717.2
40°	1784.5	1778.9	1724.9	1670.9	1492.1	1313.2	1149.3	983.5	929.5	873.6	832.6
42.5°	2058.3	2037.8	1995.0	1950.3	1769.6	1587.1	1412.0	1235.0	1160.5	1086.0	1013.3
45°	2255.8	2250.2	2212.9	2175.7	2028.5	1879.5	1697.0	1512.6	1464.1	1415.7	1279.7
47.5°	2378.7	2347.1	2332.2	2315.4	2188.7	2062.1	1907.5	1751.0	1743.5	1734.2	1562.8
50°	2341.5	2313.5	2317.3	2321.0	2259.5	2198.0	2080.7	1961.5	1982.0	2002.5	1860.9
52.5°	2144.0	2119.8	2153.3	2185.0	2183.1	2181.3	2138.4	2093.7	2168.2	2240.9	2144.0
55°	1749.1	1765.9	1832.9	1900.0	1944.7	1987.6	2049.0	2108.6	2250.2	2389.9	2371.3
57.5°	1371.0	1408.2	1477.2	1544.2	1616.9	1687.7	1818.0	1948.4	2186.9	2423.4	2505.4
60°	920.2	944.4	1065.5	1184.7	1251.8	1318.8	1460.4	1600.1	1924.2	2246.5	2460.7
62.5°	571.9	584.9	653.8	722.7	858.7	994.7	1065.5	1134.4	1484.6	1832.9	2229.7
65°	352.1	348.3	376.3	402.4	536.5	668.7	715.3	760.0	992.8	1223.8	1840.4
67.5°	210.5	208.6	223.5	238.4	299.9	361.4	434.0	506.7	588.6	668.7	1363.5
70°	171.4	175.1	180.7	186.3	203.0	219.8	286.9	353.9	352.1	350.2	819.6
72.5°	143.4	147.2	158.3	167.6	180.7	191.9	231.0	268.2	251.5	234.7	391.2
75°	106.2	108.0	122.9	136.0	156.5	175.1	184.4	191.9	184.4	177.0	197.5
77.5°	70.8	70.8	83.8	96.9	117.4	137.8	149.0	160.2	147.2	134.1	139.7
80°	44.7	44.7	52.2	57.7	78.2	98.7	111.8	124.8	113.6	100.6	98.7
82.5°	26.1	27.9	31.7	35.4	48.4	61.5	70.8	80.1	93.1	104.3	83.8
85°	11.2	13.0	16.8	18.6	26.1	31.7	37.3	42.8	54.0	65.2	54.0
87.5°	1.9	1.9	3.7	5.6	7.5	9.3	9.3	9.3	9.3	7.5	9.3
90°	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7

REPORT NUMBER: P560650

CATALOG NUMBER: SDL-PA1-50-830-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4
2.5°	620.3	618.4	616.6	616.6	616.6	614.7	612.8	612.8	612.8	611.0	609.1
5°	512.3	558.8	605.4	607.3	611.0	609.1	607.3	605.4	603.5	601.7	597.9
7.5°	506.7	502.9	499.2	486.2	530.9	530.9	529.0	529.0	525.3	510.4	495.5
10°	387.5	385.6	381.9	387.5	396.8	428.4	458.2	456.4	450.8	415.4	380.0
12.5°	367.0	372.5	378.1	359.5	324.1	353.9	383.7	380.0	376.3	344.6	311.1
15°	311.1	314.8	318.5	348.3	402.4	430.3	456.4	452.6	448.9	411.7	372.5
17.5°	381.9	367.0	352.1	372.5	353.9	367.0	380.0	365.1	353.9	339.0	324.1
20°	367.0	327.8	288.7	348.3	417.3	439.6	462.0	456.4	445.2	409.8	372.5
22.5°	344.6	383.7	421.0	402.4	368.8	348.3	327.8	318.5	311.1	312.9	314.8
25°	437.7	387.5	335.3	424.7	478.7	486.2	491.8	475.0	456.4	417.3	376.3
27.5°	385.6	422.8	458.2	493.6	512.3	517.8	521.6	545.8	506.7	454.5	402.4
30°	486.2	517.8	549.5	627.7	691.1	702.3	713.4	685.5	653.8	590.5	527.2
32.5°	534.6	607.3	678.0	715.3	741.4	750.7	760.0	722.7	687.4	605.4	521.6
35°	635.2	689.2	743.2	786.1	836.4	838.2	840.1	799.1	754.4	635.2	516.0
37.5°	696.7	767.5	836.4	884.8	963.0	957.5	951.9	903.4	849.4	681.8	514.1
40°	789.8	881.1	970.5	1017.1	1112.1	1095.3	1078.5	1022.6	963.0	732.1	501.1
42.5°	940.7	1037.6	1134.4	1173.5	1277.8	1259.2	1238.7	1164.2	1087.8	773.0	458.2
45°	1141.9	1229.4	1317.0	1385.9	1467.8	1438.0	1408.2	1328.1	1216.4	808.4	400.5
47.5°	1389.6	1454.8	1520.0	1656.0	1715.6	1656.0	1594.5	1497.6	1356.1	838.2	320.4
50°	1719.3	1734.2	1747.3	1916.8	1976.4	1885.1	1793.8	1669.0	1499.5	871.8	242.2
52.5°	2045.3	2017.4	1987.6	2170.1	2192.5	2071.4	1948.4	1818.0	1605.7	890.4	173.2
55°	2352.7	2313.5	2272.6	2402.9	2388.0	2227.8	2067.7	1909.3	1670.9	896.0	121.1
57.5°	2587.4	2563.1	2537.1	2596.7	2540.8	2352.7	2164.5	2006.2	1719.3	905.3	89.4
60°	2673.0	2727.1	2781.1	2773.6	2671.2	2471.9	2272.6	2104.9	1749.1	909.0	67.1
62.5°	2626.5	2801.6	2974.8	2904.0	2779.2	2568.7	2356.4	2194.3	1762.2	907.2	52.2
65°	2457.0	2794.1	3129.4	3012.1	2855.6	2645.1	2434.6	2289.3	1777.1	909.0	41.0
67.5°	2056.5	2615.3	3172.3	3097.8	2918.9	2695.4	2470.0	2352.7	1769.6	901.6	33.5
70°	1287.2	2129.1	2971.1	3028.8	2918.9	2673.0	2427.2	2334.0	1702.6	864.3	26.1
72.5°	545.8	1503.2	2460.7	2712.2	2788.5	2550.1	2311.7	2196.2	1559.1	789.8	20.5
75°	216.1	864.3	1512.6	1911.2	2145.9	2045.3	1942.8	1788.2	1022.6	519.7	14.9
77.5°	145.3	394.9	644.5	938.8	1119.5	1158.6	1197.7	1020.8	407.9	210.5	11.2
80°	96.9	158.3	219.8	337.2	402.4	380.0	355.8	292.5	124.8	67.1	9.3
82.5°	61.5	82.0	102.5	115.5	119.2	85.7	52.2	42.8	14.9	11.2	5.6
85°	41.0	48.4	55.9	57.7	57.7	41.0	22.4	11.2	5.6	5.6	3.7
87.5°	11.2	13.0	13.0	13.0	9.3	7.5	5.6	3.7	3.7	3.7	3.7
90°	5.6	7.5	7.5	7.5	5.6	5.6	3.7	3.7	3.7	3.7	3.7

REPORT NUMBER: P560650

CATALOG NUMBER: SDL-PA1-50-830-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4	618.4
2.5°	609.1	609.1	607.3	605.4	605.4	603.5	584.9	564.4	545.8	525.3	523.4
5°	573.7	547.6	523.4	499.2	495.5	489.9	489.9	488.0	488.0	486.2	486.2
7.5°	491.8	488.0	484.3	480.6	478.7	475.0	473.1	469.4	467.5	463.8	443.3
10°	372.5	363.2	363.2	361.4	365.1	368.8	367.0	363.2	387.5	411.7	409.8
12.5°	331.6	350.2	333.4	314.8	320.4	324.1	329.7	335.3	333.4	329.7	301.8
15°	333.4	292.5	279.4	264.5	272.0	277.5	229.1	178.8	169.5	160.2	149.0
17.5°	311.1	298.0	288.7	277.5	212.4	145.3	130.4	115.5	102.5	87.5	85.7
20°	314.8	255.2	238.4	219.8	169.5	119.2	91.3	63.3	55.9	48.4	55.9
22.5°	307.4	298.0	217.9	137.8	102.5	67.1	55.9	42.8	46.6	50.3	50.3
25°	288.7	201.2	156.5	111.8	78.2	42.8	44.7	44.7	41.0	35.4	39.1
27.5°	312.9	221.7	141.6	59.6	52.2	42.8	39.1	33.5	33.5	33.5	31.7
30°	361.4	193.7	121.1	48.4	41.0	33.5	31.7	29.8	27.9	24.2	26.1
32.5°	342.7	163.9	102.5	41.0	35.4	29.8	26.1	22.4	22.4	22.4	22.4
35°	311.1	104.3	70.8	35.4	29.8	24.2	22.4	18.6	18.6	18.6	18.6
37.5°	290.6	67.1	48.4	27.9	24.2	20.5	18.6	14.9	14.9	14.9	16.8
40°	273.8	46.6	35.4	24.2	20.5	14.9	13.0	11.2	13.0	13.0	13.0
42.5°	249.6	39.1	29.8	20.5	16.8	13.0	11.2	9.3	11.2	11.2	11.2
45°	217.9	35.4	26.1	16.8	14.9	11.2	9.3	7.5	9.3	9.3	9.3
47.5°	175.1	29.8	22.4	14.9	13.0	9.3	9.3	7.5	7.5	7.5	7.5
50°	136.0	27.9	20.5	13.0	11.2	7.5	7.5	5.6	7.5	7.5	7.5
52.5°	98.7	24.2	18.6	11.2	9.3	5.6	5.6	5.6	5.6	5.6	5.6
55°	70.8	20.5	14.9	9.3	7.5	5.6	5.6	3.7	5.6	5.6	5.6
57.5°	54.0	18.6	13.0	7.5	5.6	3.7	3.7	3.7	3.7	3.7	3.7
60°	42.8	16.8	13.0	7.5	5.6	3.7	3.7	1.9	3.7	3.7	3.7
62.5°	33.5	13.0	11.2	7.5	5.6	3.7	3.7	1.9	3.7	3.7	3.7
65°	26.1	11.2	9.3	5.6	3.7	1.9	1.9	1.9	3.7	3.7	3.7
67.5°	22.4	9.3	7.5	5.6	3.7	1.9	3.7	3.7	3.7	3.7	3.7
70°	18.6	9.3	7.5	5.6	3.7	1.9	3.7	3.7	5.6	5.6	3.7
72.5°	14.9	7.5	5.6	3.7	3.7	1.9	3.7	3.7	5.6	5.6	3.7
75°	11.2	5.6	5.6	3.7	3.7	1.9	3.7	5.6	5.6	5.6	3.7
77.5°	9.3	5.6	5.6	3.7	3.7	1.9	3.7	5.6	5.6	5.6	5.6
80°	7.5	3.7	3.7	3.7	1.9	0.0	3.7	7.5	7.5	5.6	5.6
82.5°	5.6	3.7	3.7	3.7	1.9	0.0	3.7	7.5	7.5	5.6	5.6
85°	3.7	3.7	3.7	3.7	3.7	1.9	5.6	7.5	7.5	5.6	5.6
87.5°	3.7	3.7	3.7	3.7	3.7	1.9	3.7	5.6	5.6	5.6	5.6
90°	3.7	3.7	5.6	5.6	3.7	1.9	3.7	5.6	5.6	5.6	5.6

REPORT NUMBER: P560650

CATALOG NUMBER: SDL-PA1-50-830-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	618.4	618.4	618.4	618.4
2.5°	519.7	523.4	525.3	521.6
5°	484.3	484.3	482.5	488.0
7.5°	421.0	409.8	396.8	387.5
10°	406.1	396.8	387.5	389.3
12.5°	272.0	244.0	216.1	225.4
15°	137.8	130.4	122.9	122.9
17.5°	82.0	74.5	65.2	67.1
20°	61.5	61.5	61.5	61.5
22.5°	48.4	46.6	42.8	41.0
25°	41.0	41.0	41.0	41.0
27.5°	29.8	29.8	27.9	26.1
30°	26.1	26.1	26.1	24.2
32.5°	20.5	22.4	22.4	22.4
35°	18.6	18.6	18.6	18.6
37.5°	16.8	16.8	14.9	14.9
40°	13.0	13.0	13.0	13.0
42.5°	11.2	11.2	11.2	11.2
45°	9.3	9.3	9.3	9.3
47.5°	7.5	7.5	7.5	7.5
50°	7.5	7.5	5.6	5.6
52.5°	5.6	5.6	3.7	3.7
55°	3.7	3.7	3.7	3.7
57.5°	3.7	3.7	1.9	1.9
60°	3.7	3.7	1.9	1.9
62.5°	1.9	1.9	1.9	1.9
65°	1.9	1.9	0.0	0.0
67.5°	1.9	1.9	0.0	0.0
70°	1.9	1.9	0.0	0.0
72.5°	1.9	1.9	0.0	0.0
75°	1.9	1.9	0.0	0.0
77.5°	3.7	1.9	0.0	0.0
80°	3.7	3.7	1.9	0.0
82.5°	3.7	3.7	1.9	0.0
85°	3.7	3.7	1.9	0.0
87.5°	3.7	3.7	1.9	0.0
90°	3.7	3.7	1.9	0.0

(END OF REPORT)