

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: P560993

Luminaire Tested: **SDL-PA1-70-830-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-830-U-SL3-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5303.9 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G2

Input Watts (W): 72.2
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

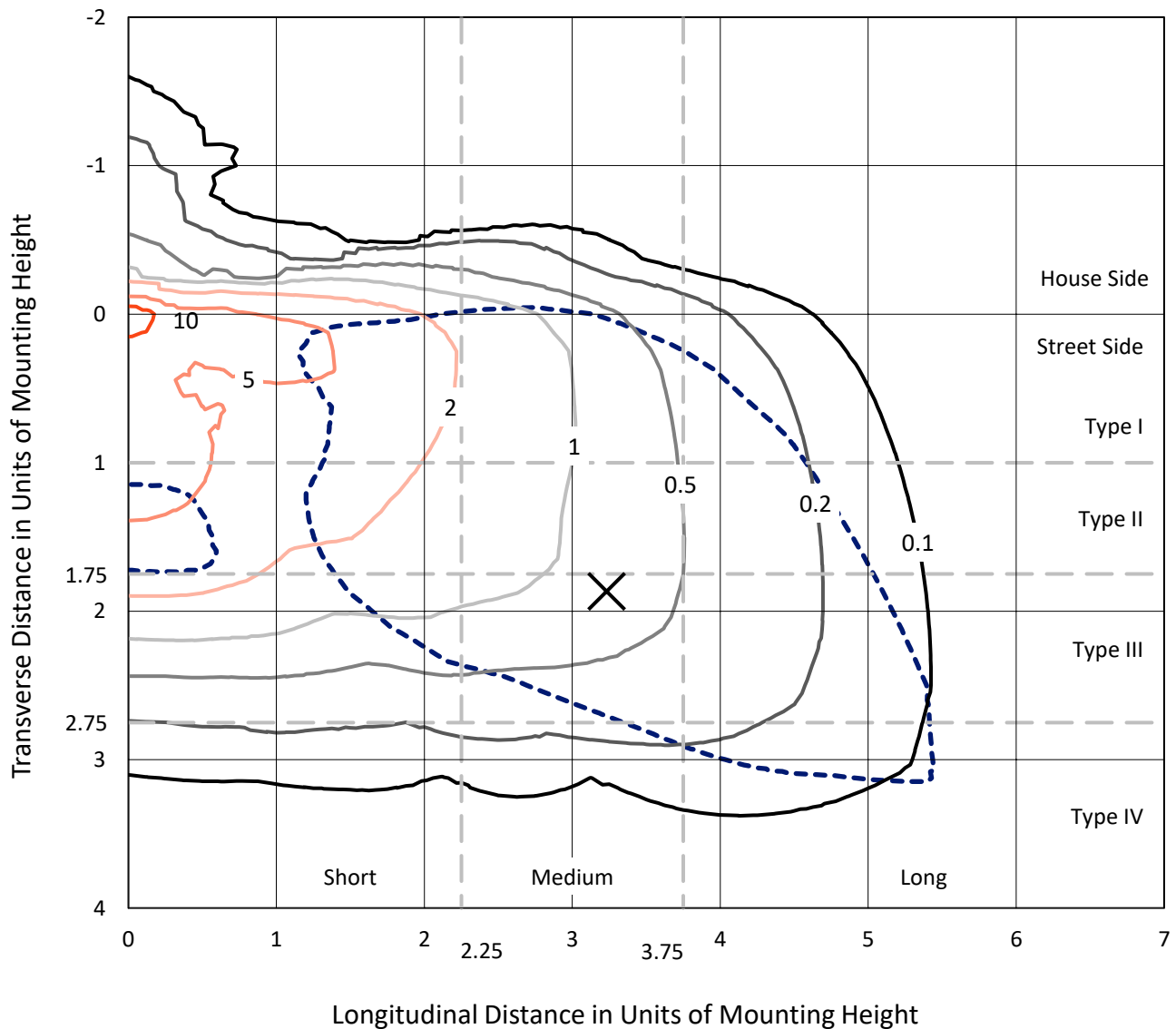


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

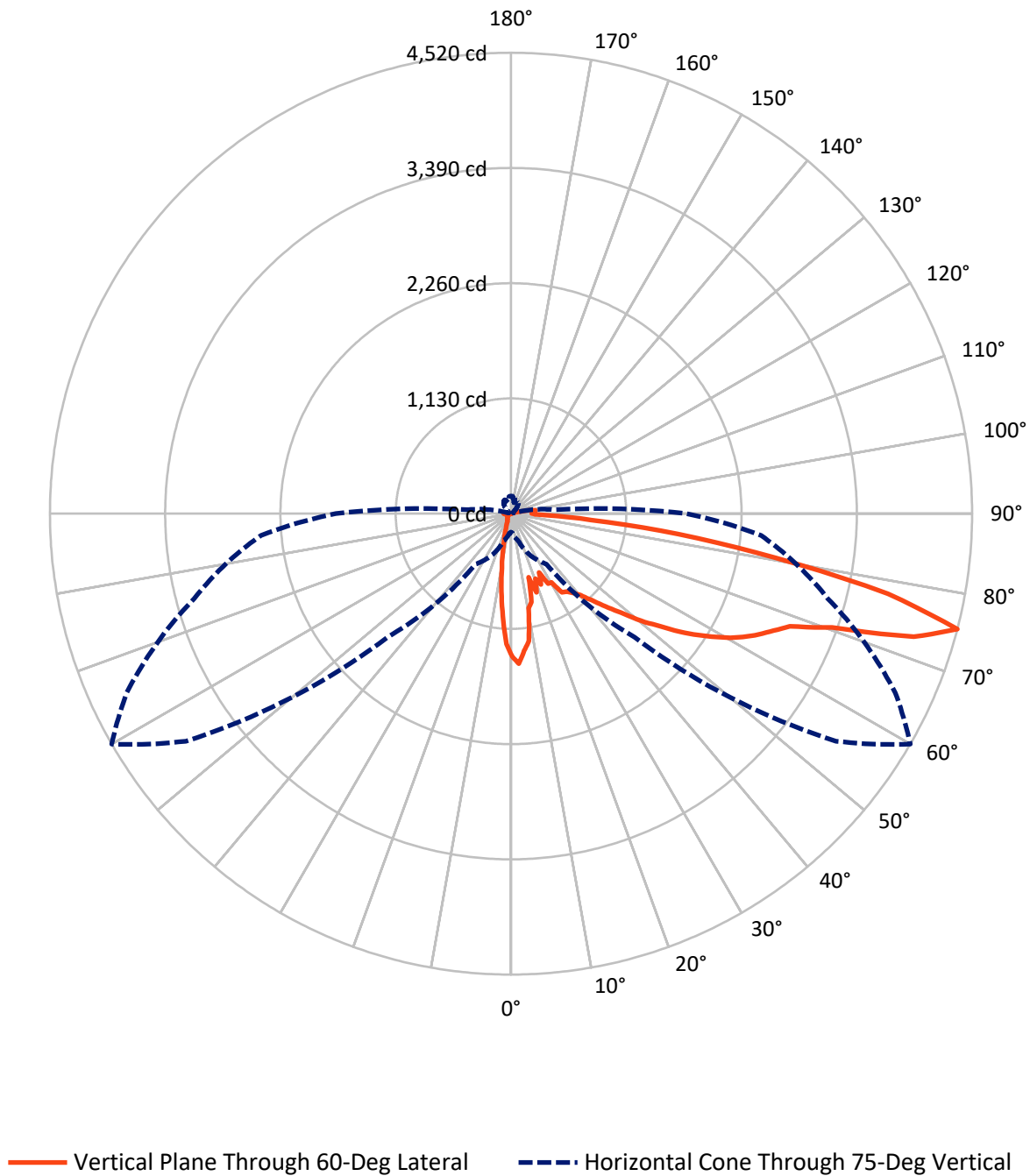


Based on 10 foot mounting height. Maximum calculated value = 14 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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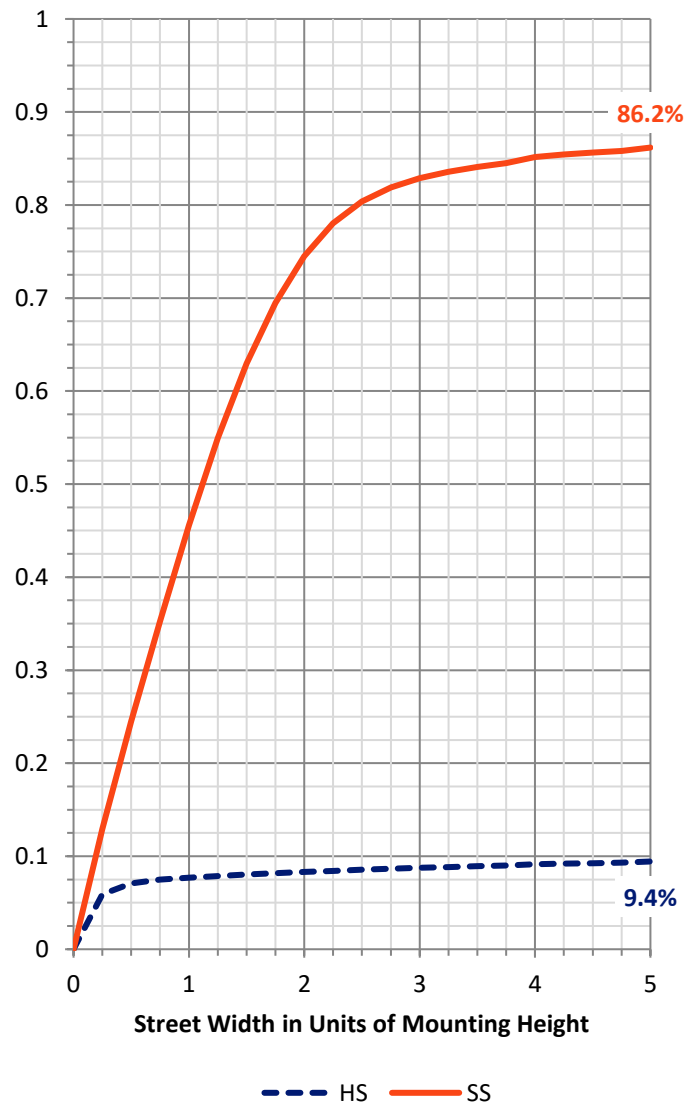
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	548.1	71.5	619.6
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	4609.5	74.8	4684.3
	% Fixture	86.9	1.4	88.3
Total	Lumens	5157.6	146.3	5303.9
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.3	1.8
10°-20°	159.6	3.0
20°-30°	225.6	4.3
30°-40°	405.5	7.6
40°-50°	683.2	12.9
50°-60°	1062.7	20.0
60°-70°	1254.0	23.6
70°-80°	1017.2	19.2
80°-90°	252.6	4.8
90°-100°	102.0	1.9
100°-110°	23.6	0.4
110°-120°	7.4	0.1
120°-130°	6.6	0.1
130°-140°	3.5	0.1
140°-150°	1.7	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5157.6	97.2
0°-180°	5303.9	100.0

Coefficient of Utilization



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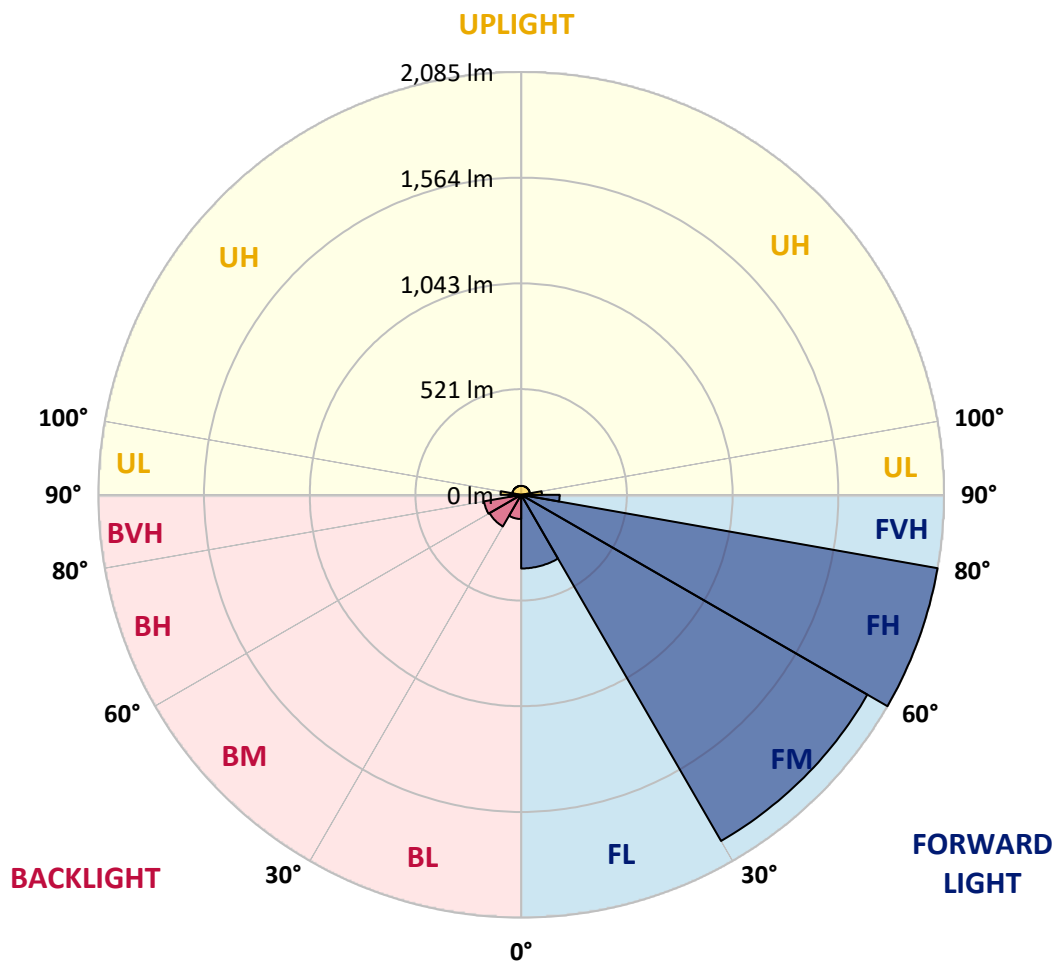
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	363.3	6.8			
FM	(30°-60°)	1971.2	37.2			
FH	(60°-80°)	2085.1	39.3			G2/5000
FVH	(80°-90°)	189.9	3.6			G2/225
BL	(0°-30°)	119.2	2.2	B1/500		
BM	(30°-60°)	180.2	3.4	B0/220		
BH	(60°-80°)	186.1	3.5	B1/500		G1/500
BVH	(80°-90°)	62.7	1.2			G1/100
UL	(90°-100°)	102.0	1.9		U3/500	
UH	(100°-180°)	44.3	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0
2.5°	1318.7	1419.2	1389.8	1482.9	1495.2	1490.3	1485.4	1473.1	1460.8	1438.8	1404.5
5°	1264.8	1274.6	1267.2	1284.4	1286.8	1294.2	1281.9	1350.5	1465.7	1436.3	1382.4
7.5°	1039.3	1142.2	1154.5	1186.3	1215.7	1245.1	1262.3	1259.9	1112.8	1250.1	1188.8
10°	1061.3	1076.0	1073.6	1095.6	1071.1	1029.5	938.8	941.2	941.2	970.6	1002.5
12.5°	840.7	884.8	992.7	1027.0	953.5	867.7	875.0	892.2	904.4	767.2	845.6
15°	953.5	955.9	958.4	958.4	718.2	821.1	715.7	647.1	740.2	906.9	921.6
17.5°	747.6	740.2	862.8	853.0	791.7	610.3	794.1	811.3	779.4	762.3	767.2
20°	877.5	877.5	870.1	693.7	730.4	786.8	681.4	678.9	718.2	892.2	902.0
22.5°	710.8	703.5	742.7	772.1	693.7	750.0	671.6	754.9	835.8	789.2	644.6
25°	889.7	889.7	860.3	669.1	718.2	644.6	745.1	639.7	710.8	965.7	919.2
27.5°	823.6	801.5	732.9	759.8	644.6	750.0	686.3	777.0	821.1	1000.0	1071.1
30°	1063.8	1056.4	978.0	764.7	732.9	688.8	737.8	781.9	946.1	1296.6	1237.8
32.5°	1419.2	1380.0	1112.8	946.1	769.6	816.2	786.8	919.2	1039.3	1326.0	1255.0
35°	1514.8	1485.4	1357.9	1149.6	862.8	862.8	845.6	938.8	1066.2	1389.8	1291.7
37.5°	1546.6	1544.2	1500.1	1257.4	990.2	992.7	894.6	985.3	1120.1	1475.6	1345.6
40°	1566.2	1571.1	1615.3	1370.2	1125.0	1120.1	985.3	1051.5	1203.5	1568.7	1443.7
42.5°	1649.6	1676.5	1730.5	1495.2	1252.5	1255.0	1095.6	1156.9	1313.8	1723.1	1578.5
45°	1835.9	1843.2	1875.1	1666.7	1372.6	1389.8	1235.3	1299.1	1448.6	1892.2	1730.5
47.5°	2117.7	2117.7	2063.8	1801.5	1514.8	1539.3	1382.4	1448.6	1607.9	2139.8	1906.9
50°	2367.7	2348.1	2230.5	1960.9	1630.0	1683.9	1576.0	1652.0	1742.7	2328.5	2127.5
52.5°	2524.6	2517.3	2372.6	2068.7	1752.5	1843.2	1735.4	1833.4	1899.6	2524.6	2326.1
55°	2502.6	2502.6	2409.4	2125.1	1865.3	1987.8	1941.3	2063.8	2088.3	2710.9	2470.7
57.5°	2419.2	2431.5	2387.4	2147.1	1887.3	2125.1	2152.0	2267.2	2308.9	2818.7	2561.4
60°	2250.1	2274.6	2321.2	2176.6	1973.1	2279.5	2367.7	2470.7	2549.1	2899.6	2637.4
62.5°	1933.9	1965.8	2130.0	2174.1	2039.3	2438.8	2551.6	2642.3	2715.8	2943.7	2691.3
65°	1465.7	1524.6	1762.3	2017.2	2034.4	2625.1	2701.1	2789.3	2860.4	2987.9	2831.0
67.5°	936.3	938.8	1196.1	1666.7	1897.1	2887.4	2902.1	2946.2	2992.8	3110.4	3029.5
70°	482.9	507.4	629.9	1063.8	1554.0	2941.3	3404.6	3340.8	3269.7	3377.6	3286.9
72.5°	321.1	348.1	414.2	573.6	975.5	2652.1	3951.1	4127.6	3813.9	3576.1	3061.4
75°	181.4	196.1	277.0	453.4	603.0	1713.3	3889.9	4519.8	4157.0	3213.4	2460.9
77.5°	80.9	85.8	125.0	355.4	517.2	835.8	3061.4	3777.1	3632.5	2679.0	1774.6
80°	44.1	44.1	58.8	164.2	438.7	629.9	2031.9	2630.0	2470.7	1615.3	806.4
82.5°	24.5	27.0	34.3	78.4	267.2	576.0	1284.4	1649.6	1304.0	443.6	326.0
85°	9.8	9.8	14.7	41.7	98.0	487.8	703.5	784.3	527.0	225.5	252.5
87.5°	4.9	4.9	4.9	14.7	31.9	125.0	230.4	247.6	193.6	178.9	218.1
90°	7.4	7.4	4.9	4.9	22.1	132.4	193.6	203.4	159.3	178.9	220.6
92.5°	9.8	7.4	4.9	4.9	17.2	132.4	220.6	218.1	159.3	178.9	228.0
95°	12.3	9.8	4.9	4.9	17.2	117.7	264.7	237.8	171.6	181.4	240.2
97.5°	12.3	12.3	4.9	4.9	17.2	90.7	279.4	240.2	149.5	117.7	164.2
100°	14.7	14.7	4.9	4.9	19.6	53.9	193.6	178.9	105.4	39.2	46.6
102.5°	17.2	17.2	4.9	4.9	12.3	27.0	93.1	90.7	58.8	9.8	17.2
105°	17.2	19.6	4.9	4.9	4.9	12.3	34.3	41.7	29.4	9.8	17.2
107.5°	19.6	22.1	4.9	4.9	4.9	7.4	14.7	14.7	9.8	9.8	17.2
110°	19.6	19.6	4.9	4.9	4.9	4.9	4.9	4.9	4.9	9.8	17.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	14.7	14.7	2.5	4.9	4.9	4.9	2.5	4.9	4.9	7.4	14.7
115°	7.4	4.9	2.5	4.9	2.5	4.9	2.5	4.9	7.4	7.4	17.2
117.5°	2.5	2.5	2.5	2.5	2.5	4.9	2.5	4.9	4.9	12.3	22.1
120°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	4.9	17.2	27.0
122.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	4.9	17.2	31.9
125°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	4.9	12.3	29.4
127.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	4.9	12.3	24.5
130°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	4.9	9.8	22.1
132.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	9.8	17.2
135°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	12.3
137.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9
140°	2.5	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	2.5	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.5	4.9	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	4.9	4.9	2.5	2.5	2.5	2.5	2.5	2.5
150°	9.8	9.8	9.8	7.4	4.9	2.5	7.4	4.9	2.5	2.5	2.5
152.5°	7.4	7.4	12.3	4.9	2.5	2.5	2.5	7.4	7.4	2.5	2.5
155°	7.4	7.4	4.9	2.5	2.5	2.5	2.5	2.5	2.5	7.4	9.8
157.5°	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5	4.9	2.5
160°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0	1402.0
2.5°	1392.2	1377.5	1338.3	1301.5	1257.4	1230.4	1137.3	1031.9	1009.8	1004.9	987.8
5°	1357.9	1326.0	1250.1	1088.3	926.5	853.0	818.7	791.7	754.9	747.6	737.8
7.5°	1152.0	1098.1	980.4	781.9	757.4	688.8	632.4	585.8	485.3	458.4	443.6
10°	958.4	911.8	669.1	568.7	517.2	465.7	404.4	357.9	316.2	296.6	289.2
12.5°	774.5	728.0	500.0	451.0	321.1	264.7	230.4	191.2	159.3	142.2	142.2
15°	857.9	781.9	517.2	321.1	210.8	156.9	115.2	102.9	120.1	122.6	122.6
17.5°	701.0	625.0	406.9	250.0	154.4	85.8	93.1	105.4	115.2	100.5	102.9
20°	806.4	701.0	409.3	188.7	98.0	83.3	85.8	78.4	105.4	107.8	107.8
22.5°	610.3	551.5	308.8	149.5	76.0	78.4	73.5	88.2	98.0	85.8	83.3
25°	789.2	649.5	313.7	95.6	76.0	63.7	76.0	68.6	90.7	93.1	93.1
27.5°	904.4	728.0	274.5	83.3	63.7	68.6	61.3	71.1	68.6	68.6	68.6
30°	1027.0	794.1	267.2	80.9	61.3	56.4	58.8	56.4	66.2	68.6	68.6
32.5°	1027.0	759.8	203.4	80.9	58.8	53.9	46.6	51.5	53.9	58.8	61.3
35°	1034.4	730.4	149.5	73.5	53.9	46.6	41.7	41.7	46.6	49.0	49.0
37.5°	1056.4	710.8	115.2	68.6	49.0	41.7	34.3	36.8	63.7	71.1	71.1
40°	1117.7	710.8	98.0	63.7	44.1	36.8	29.4	46.6	53.9	63.7	63.7
42.5°	1213.3	720.6	93.1	61.3	39.2	31.9	24.5	36.8	66.2	76.0	78.4
45°	1313.8	740.2	88.2	58.8	36.8	27.0	29.4	44.1	51.5	68.6	68.6
47.5°	1453.5	781.9	85.8	56.4	34.3	22.1	27.0	44.1	56.4	73.5	73.5
50°	1605.5	826.0	80.9	53.9	29.4	19.6	41.7	36.8	46.6	76.0	76.0
52.5°	1762.3	877.5	78.4	51.5	27.0	27.0	46.6	44.1	56.4	73.5	76.0
55°	1899.6	919.2	73.5	51.5	24.5	24.5	49.0	44.1	51.5	68.6	71.1
57.5°	1965.8	926.5	71.1	49.0	22.1	24.5	46.6	53.9	46.6	56.4	61.3
60°	2049.1	946.1	63.7	44.1	19.6	31.9	53.9	71.1	63.7	73.5	78.4
62.5°	2127.5	960.8	56.4	39.2	17.2	34.3	71.1	85.8	68.6	85.8	95.6
65°	2272.2	992.7	46.6	31.9	14.7	39.2	80.9	102.9	76.0	100.5	100.5
67.5°	2473.1	1044.2	36.8	27.0	14.7	44.1	83.3	117.7	90.7	110.3	107.8
70°	2551.6	960.8	31.9	24.5	14.7	51.5	90.7	127.5	95.6	122.6	122.6
72.5°	2225.6	693.7	27.0	24.5	24.5	58.8	112.7	139.7	105.4	154.4	152.0
75°	1718.2	436.3	27.0	24.5	29.4	73.5	127.5	149.5	112.7	171.6	169.1
77.5°	1144.7	205.9	27.0	27.0	34.3	80.9	137.3	159.3	125.0	191.2	188.7
80°	448.5	112.7	29.4	29.4	41.7	85.8	147.1	164.2	129.9	205.9	203.4
82.5°	215.7	78.4	29.4	29.4	56.4	95.6	156.9	171.6	134.8	208.3	205.9
85°	183.8	73.5	27.0	31.9	68.6	120.1	166.7	169.1	137.3	198.5	198.5
87.5°	164.2	71.1	27.0	31.9	93.1	139.7	174.0	166.7	147.1	193.6	193.6
90°	169.1	76.0	29.4	36.8	105.4	142.2	176.5	166.7	142.2	178.9	178.9
92.5°	181.4	80.9	31.9	39.2	105.4	132.4	164.2	149.5	132.4	152.0	149.5
95°	191.2	85.8	34.3	44.1	93.1	102.9	137.3	120.1	110.3	117.7	117.7
97.5°	147.1	66.2	39.2	49.0	71.1	61.3	85.8	78.4	58.8	49.0	49.0
100°	39.2	22.1	41.7	49.0	49.0	41.7	63.7	58.8	39.2	17.2	17.2
102.5°	14.7	14.7	39.2	46.6	39.2	31.9	46.6	44.1	31.9	4.9	4.9
105°	14.7	12.3	24.5	36.8	24.5	17.2	24.5	29.4	19.6	4.9	4.9
107.5°	14.7	12.3	14.7	22.1	9.8	7.4	9.8	9.8	9.8	2.5	4.9
110°	14.7	12.3	7.4	9.8	7.4	7.4	7.4	4.9	4.9	9.8	9.8

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CATALOG NUMBER: SDL-PA1-70-830-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.7	12.3	7.4	9.8	7.4	7.4	4.9	4.9	7.4	14.7	14.7
115°	14.7	12.3	7.4	7.4	4.9	7.4	4.9	2.5	7.4	17.2	19.6
117.5°	19.6	12.3	4.9	4.9	4.9	4.9	4.9	2.5	7.4	22.1	24.5
120°	24.5	14.7	4.9	4.9	4.9	2.5	4.9	2.5	9.8	22.1	24.5
122.5°	27.0	17.2	4.9	4.9	4.9	2.5	2.5	4.9	9.8	22.1	22.1
125°	27.0	17.2	4.9	4.9	2.5	2.5	2.5	2.5	9.8	22.1	24.5
127.5°	22.1	14.7	4.9	4.9	2.5	2.5	2.5	2.5	9.8	19.6	22.1
130°	19.6	14.7	4.9	4.9	2.5	2.5	2.5	2.5	9.8	17.2	19.6
132.5°	14.7	12.3	4.9	2.5	2.5	2.5	2.5	2.5	9.8	14.7	17.2
135°	12.3	7.4	4.9	2.5	2.5	2.5	2.5	2.5	7.4	14.7	14.7
137.5°	4.9	4.9	2.5	2.5	2.5	2.5	2.5	2.5	4.9	7.4	7.4
140°	4.9	4.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4.9	4.9
142.5°	2.5	4.9	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
145°	2.5	4.9	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
147.5°	2.5	4.9	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
150°	2.5	4.9	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	4.9
152.5°	2.5	4.9	2.5	2.5	2.5	0.0	0.0	2.5	2.5	2.5	2.5
155°	9.8	7.4	4.9	2.5	2.5	0.0	0.0	0.0	2.5	2.5	2.5
157.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	2.5	2.5	2.5
160°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	2.5	2.5	2.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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)