

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: P560359

Luminaire Tested: **SDL-PA1-40-730-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-730-U-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3433.2 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B0 - U3 - G1

Input Watts (W): 39.4
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



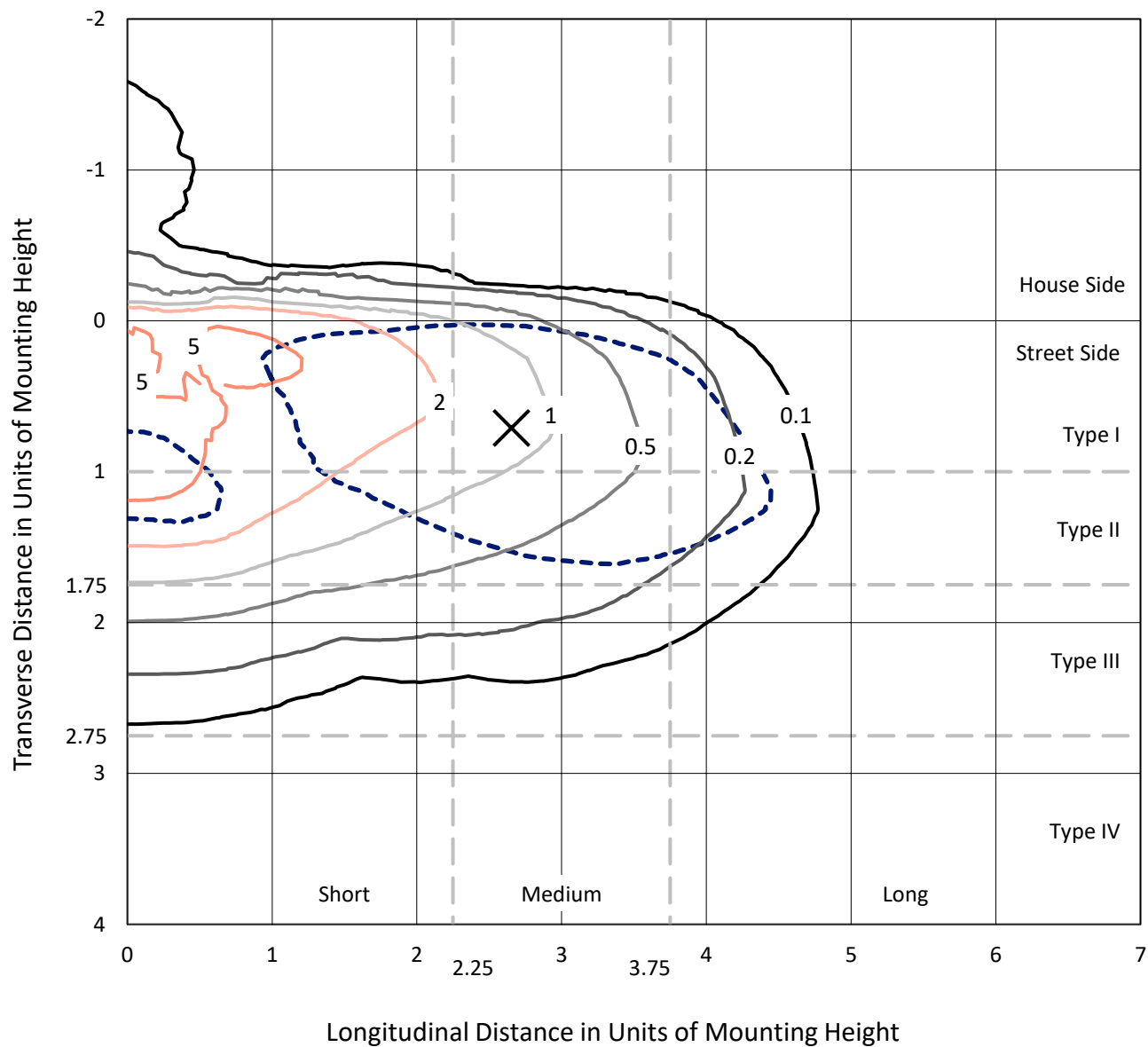
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



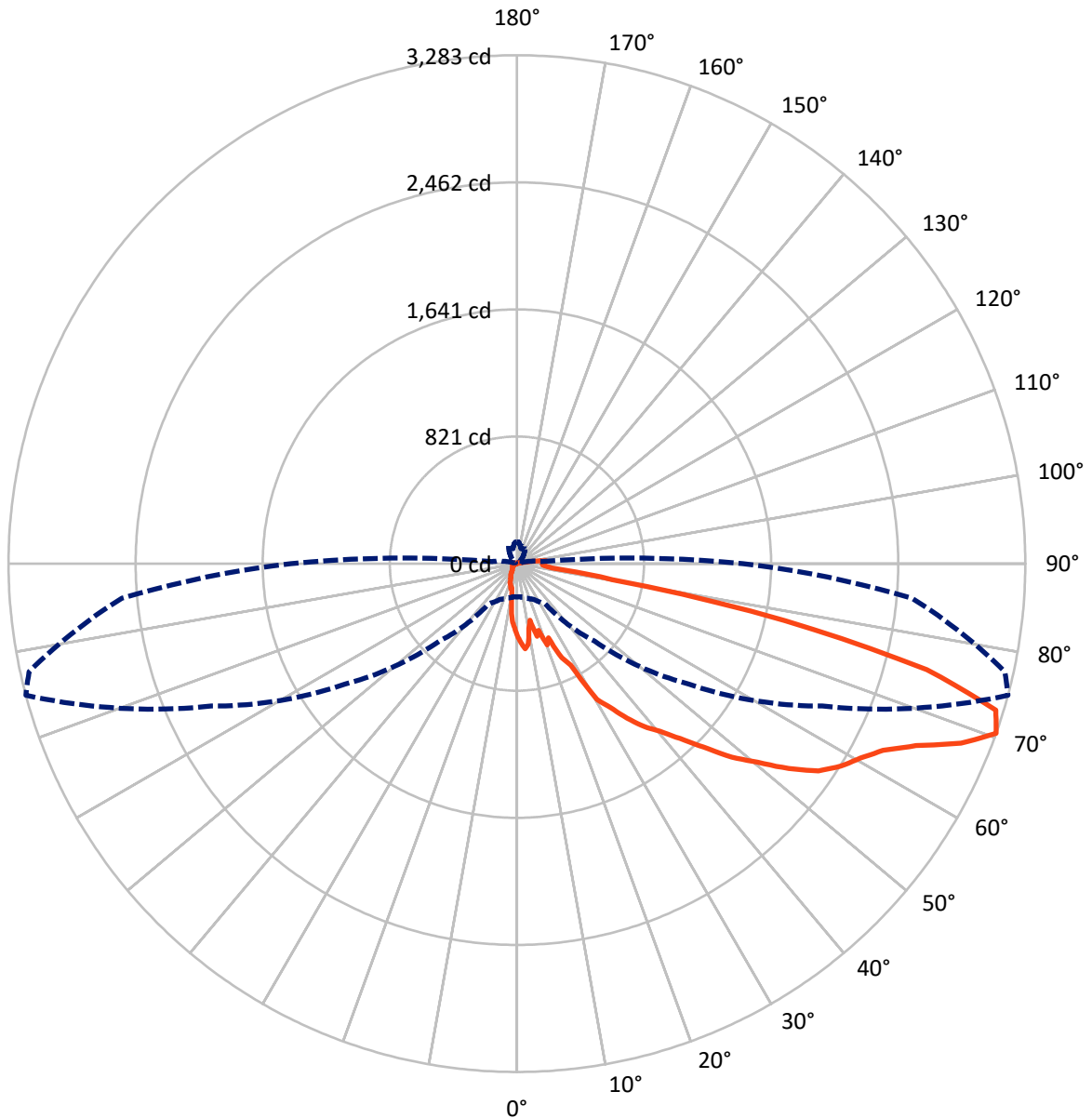
Based on 10 foot mounting height. Maximum calculated value = 8.6 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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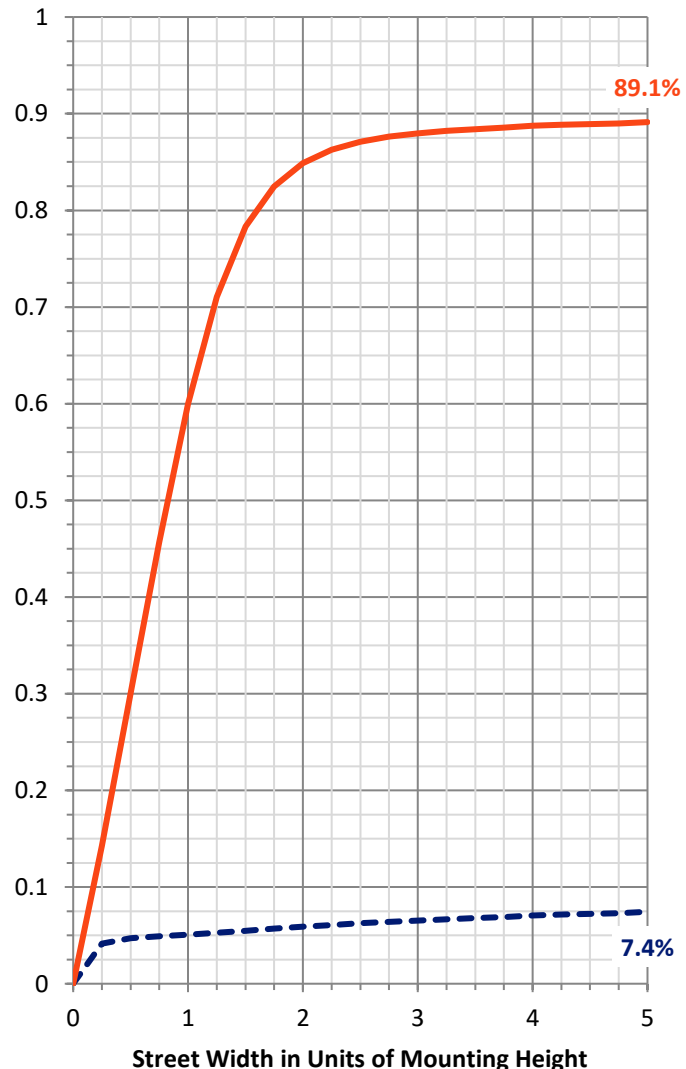
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	279.8	34.7	314.5
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	3075.0	43.7	3118.7
	% Fixture	89.6	1.3	90.8
Total	Lumens	3354.7	78.4	3433.2
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.1	1.1
10°-20°	90.6	2.6
20°-30°	169.9	4.9
30°-40°	381.3	11.1
40°-50°	627.5	18.3
50°-60°	769.2	22.4
60°-70°	720.4	21.0
70°-80°	469.2	13.7
80°-90°	89.6	2.6
90°-100°	51.4	1.5
100°-110°	11.6	0.3
110°-120°	5.9	0.2
120°-130°	4.9	0.1
130°-140°	2.4	0.1
140°-150°	1.2	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3354.7	97.7
0°-180°	3433.2	100.0



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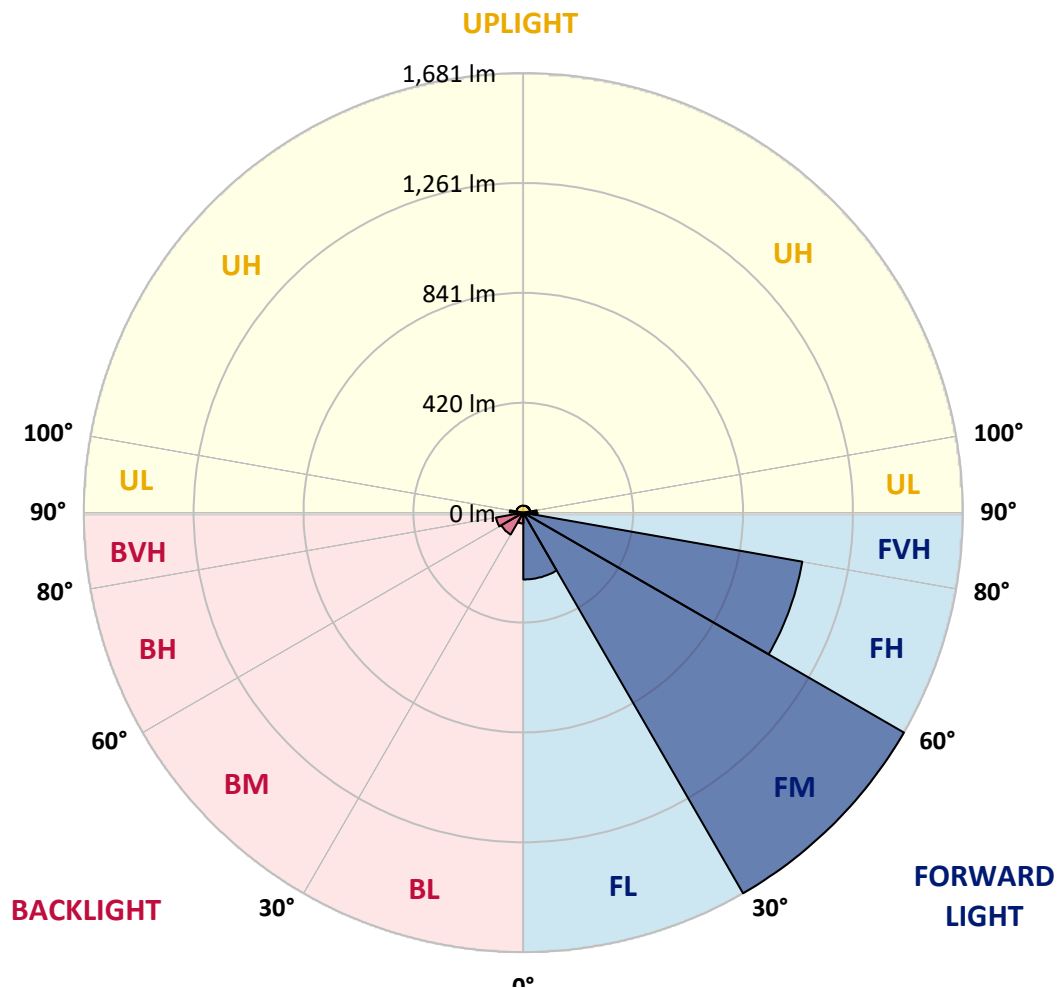
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	255.8	7.4			
FM	(30°-60°)	1681.3	49.0			
FH	(60°-80°)	1083.7	31.6			G1/1800
FVH	(80°-90°)	54.3	1.6			G1/100
BL	(0°-30°)	41.8	1.2	B0/110		
BM	(30°-60°)	96.7	2.8	B0/220		
BH	(60°-80°)	105.9	3.1	B0/110		G0/110
BVH	(80°-90°)	35.4	1.0			G1/100
UL	(90°-100°)	51.4	1.5		U3/500	
UH	(100°-180°)	27.0	0.8		U2/50	

BUG Rating: B0-U3-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	467.1	467.1	467.1	467.1	467.1	467.1	467.1	467.1	467.1	467.1	467.1
2.5°	521.2	553.9	563.8	580.2	588.3	578.5	560.5	537.5	513.0	506.4	485.1
5°	591.6	585.1	580.2	580.2	570.3	549.0	529.3	590.0	552.3	544.1	501.5
7.5°	537.5	588.3	626.0	629.3	624.4	608.0	580.2	517.9	526.1	516.2	463.8
10°	650.6	652.3	645.7	650.6	604.7	581.8	491.7	454.0	424.5	463.8	416.3
12.5°	539.2	619.5	665.4	681.8	624.4	549.0	503.1	483.5	375.3	365.5	376.9
15°	658.8	662.1	667.0	650.6	506.4	575.2	467.1	431.0	486.7	473.6	465.4
17.5°	521.2	527.7	639.1	632.6	586.7	455.6	555.6	494.9	452.3	435.9	424.5
20°	663.7	665.4	663.7	503.1	547.4	612.9	522.8	506.4	560.5	553.9	524.4
22.5°	557.2	557.2	594.9	645.7	575.2	614.6	532.6	631.0	521.2	517.9	390.0
25°	770.3	770.3	744.0	570.3	652.3	578.5	632.6	567.0	673.6	650.6	585.1
27.5°	749.0	726.0	685.0	719.5	631.0	724.4	612.9	691.6	742.4	763.7	729.3
30°	1040.7	1040.7	996.4	770.3	739.1	699.8	708.0	827.6	1017.7	1021.0	881.7
32.5°	1409.4	1383.2	1148.8	993.1	808.0	878.4	799.8	973.5	1106.2	1101.3	937.4
35°	1560.2	1552.0	1479.9	1219.3	935.8	962.0	901.4	1029.2	1225.9	1193.1	1004.6
37.5°	1714.2	1701.1	1627.4	1347.1	1070.2	1104.6	976.8	1111.1	1335.7	1288.1	1078.4
40°	1809.3	1810.9	1758.5	1448.7	1176.7	1194.7	1066.9	1211.1	1424.2	1434.0	1142.3
42.5°	1909.3	1907.6	1865.0	1568.4	1265.2	1288.1	1139.0	1306.2	1543.8	1555.3	1250.4
45°	1963.3	1960.1	1935.5	1650.3	1335.7	1352.0	1250.4	1422.5	1689.6	1686.4	1338.9
47.5°	1976.4	1981.4	1979.7	1730.6	1409.4	1416.0	1350.4	1507.7	1866.6	1830.6	1455.3
50°	1902.7	1906.0	1928.9	1794.5	1463.5	1470.0	1429.1	1604.4	2015.8	1973.2	1560.2
52.5°	1697.8	1717.5	1814.2	1755.2	1486.4	1511.0	1502.8	1678.2	2197.7	2145.2	1689.6
55°	1261.9	1307.8	1529.0	1607.7	1475.0	1512.7	1568.4	1812.6	2363.2	2299.3	1794.5
57.5°	1006.3	1014.4	1145.6	1361.9	1381.5	1504.5	1637.2	1894.5	2466.5	2402.5	1869.9
60°	794.8	808.0	893.2	1066.9	1206.2	1455.3	1656.9	1978.1	2548.4	2494.3	1953.5
62.5°	616.2	614.6	680.1	796.5	971.8	1352.0	1630.7	2028.9	2653.3	2612.3	2102.6
65°	429.4	429.4	485.1	578.5	735.8	1166.9	1578.2	2101.0	2831.9	2820.5	2287.8
67.5°	293.4	299.9	337.6	383.5	504.8	948.9	1499.5	2174.7	3092.5	3038.4	2466.5
70°	214.7	214.7	229.4	254.0	314.7	708.0	1358.6	2176.4	3282.6	3226.9	2559.9
72.5°	159.0	159.0	170.4	181.9	198.3	470.3	1114.4	2038.7	3233.4	3144.9	2369.8
75°	83.6	83.6	129.5	134.4	132.7	304.8	822.7	1674.9	2733.6	2586.1	1855.2
77.5°	65.6	67.2	73.7	104.9	96.7	199.9	458.9	1030.8	1766.7	1586.4	1004.6
80°	47.5	45.9	57.4	67.2	57.4	116.4	216.3	452.3	626.0	542.5	331.0
82.5°	27.9	29.5	34.4	49.2	49.2	81.9	140.9	198.3	224.5	222.9	198.3
85°	3.3	4.9	18.0	32.8	29.5	47.5	118.0	137.7	177.0	180.3	177.0
87.5°	3.3	3.3	4.9	6.6	8.2	31.1	100.0	119.6	163.9	175.4	177.0
90°	6.6	4.9	3.3	3.3	4.9	24.6	93.4	122.9	173.7	177.0	185.2
92.5°	8.2	6.6	3.3	1.6	4.9	19.7	88.5	122.9	180.3	191.7	199.9
95°	11.5	9.8	3.3	1.6	4.9	16.4	75.4	116.4	188.5	208.1	216.3
97.5°	14.7	13.1	3.3	3.3	4.9	13.1	59.0	91.8	124.6	140.9	152.4
100°	16.4	16.4	3.3	3.3	4.9	8.2	29.5	50.8	39.3	37.7	42.6
102.5°	18.0	18.0	3.3	3.3	3.3	4.9	9.8	21.3	8.2	8.2	13.1
105°	18.0	18.0	3.3	3.3	3.3	3.3	3.3	8.2	6.6	8.2	14.7
107.5°	16.4	18.0	3.3	4.9	4.9	3.3	3.3	3.3	6.6	9.8	14.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	11.5	8.2	1.6	4.9	3.3	3.3	1.6	3.3	8.2	11.5	16.4
115°	4.9	3.3	1.6	3.3	3.3	3.3	1.6	3.3	8.2	13.1	16.4
117.5°	3.3	1.6	1.6	1.6	1.6	3.3	1.6	4.9	11.5	14.7	19.7
120°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.9	14.7	16.4	22.9
122.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	14.7	16.4	22.9
125°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	11.5	14.7	19.7
127.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	8.2	11.5	16.4
130°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	8.2	9.8	13.1
132.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.9	6.6	9.8
135°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	6.6
137.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
140°	1.6	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
142.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
145°	1.6	1.6	1.6	1.6	3.3	1.6	1.6	1.6	1.6	1.6	1.6
147.5°	1.6	1.6	1.6	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6
150°	3.3	4.9	8.2	6.6	3.3	1.6	3.3	1.6	1.6	1.6	1.6
152.5°	8.2	8.2	6.6	6.6	1.6	1.6	3.3	3.3	1.6	1.6	1.6
155°	6.6	6.6	4.9	1.6	1.6	1.6	1.6	3.3	4.9	6.6	4.9
157.5°	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
160°	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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°	467.1	467.1	467.1	467.1	467.1	467.1	467.1	467.1	467.1	467.1	467.1
2.5°	468.7	452.3	416.3	388.4	358.9	342.5	311.4	285.2	265.5	262.2	262.2
5°	468.7	435.9	372.0	303.2	239.3	206.5	188.5	177.0	168.8	165.5	163.9
7.5°	419.5	376.9	291.7	211.4	183.6	154.1	132.7	116.4	101.6	96.7	91.8
10°	367.1	314.7	198.3	145.9	116.4	96.7	86.9	81.9	77.0	75.4	75.4
12.5°	326.1	272.0	159.0	119.6	81.9	68.8	65.6	62.3	60.6	59.0	57.4
15°	398.2	326.1	165.5	81.9	57.4	49.2	45.9	47.5	50.8	50.8	50.8
17.5°	368.7	286.8	137.7	62.3	47.5	36.1	39.3	42.6	45.9	41.0	39.3
20°	440.8	337.6	134.4	49.2	39.3	36.1	34.4	29.5	37.7	37.7	37.7
22.5°	319.6	255.7	101.6	45.9	32.8	31.1	26.2	29.5	31.1	26.2	26.2
25°	473.6	332.7	100.0	36.1	32.8	24.6	26.2	21.3	26.2	26.2	26.2
27.5°	586.7	393.3	88.5	37.7	27.9	24.6	19.7	21.3	19.7	19.7	19.7
30°	698.1	442.5	80.3	37.7	26.2	19.7	18.0	16.4	19.7	19.7	19.7
32.5°	730.9	431.0	63.9	39.3	24.6	18.0	14.7	16.4	16.4	18.0	18.0
35°	768.6	421.2	54.1	34.4	22.9	16.4	13.1	14.7	16.4	18.0	18.0
37.5°	804.7	404.8	49.2	31.1	19.7	14.7	11.5	13.1	34.4	37.7	37.7
40°	850.6	385.1	45.9	27.9	16.4	11.5	9.8	26.2	31.1	36.1	36.1
42.5°	916.1	373.7	42.6	26.2	14.7	9.8	9.8	22.9	44.2	49.2	49.2
45°	970.2	354.0	41.0	22.9	13.1	8.2	16.4	31.1	36.1	45.9	44.2
47.5°	1037.4	336.0	39.3	21.3	11.5	8.2	18.0	32.8	45.9	52.4	52.4
50°	1109.5	326.1	37.7	19.7	11.5	8.2	31.1	31.1	37.7	59.0	59.0
52.5°	1201.3	319.6	34.4	16.4	9.8	16.4	42.6	37.7	45.9	60.6	60.6
55°	1245.5	298.3	32.8	14.7	8.2	16.4	45.9	42.6	47.5	63.9	63.9
57.5°	1284.9	277.0	29.5	14.7	8.2	21.3	49.2	54.1	45.9	55.7	62.3
60°	1320.9	255.7	26.2	13.1	8.2	26.2	54.1	75.4	63.9	75.4	75.4
62.5°	1404.5	239.3	22.9	14.7	6.6	29.5	70.5	91.8	72.1	91.8	90.1
65°	1483.2	219.6	21.3	13.1	8.2	34.4	77.0	106.5	78.7	106.5	106.5
67.5°	1514.3	195.0	19.7	13.1	8.2	39.3	77.0	118.0	93.4	119.6	121.3
70°	1460.2	160.6	18.0	14.7	9.8	44.2	80.3	126.2	100.0	139.3	139.3
72.5°	1240.6	109.8	18.0	16.4	19.7	49.2	95.1	131.1	104.9	167.2	168.8
75°	925.9	62.3	19.7	18.0	21.3	55.7	104.9	136.0	109.8	168.8	168.8
77.5°	527.7	42.6	19.7	21.3	26.2	55.7	109.8	140.9	108.2	165.5	162.2
80°	183.6	31.1	19.7	24.6	32.8	55.7	111.4	139.3	104.9	154.1	154.1
82.5°	124.6	26.2	19.7	24.6	39.3	59.0	109.8	131.1	93.4	129.5	124.6
85°	116.4	21.3	21.3	26.2	42.6	59.0	100.0	113.1	78.7	96.7	95.1
87.5°	114.7	19.7	24.6	27.9	45.9	54.1	85.2	93.4	63.9	78.7	77.0
90°	119.6	19.7	26.2	29.5	42.6	44.2	68.8	78.7	52.4	62.3	60.6
92.5°	127.8	19.7	27.9	32.8	37.7	32.8	55.7	62.3	44.2	47.5	45.9
95°	136.0	19.7	31.1	34.4	31.1	24.6	42.6	50.8	36.1	34.4	34.4
97.5°	90.1	14.7	32.8	34.4	26.2	18.0	32.8	39.3	21.3	18.0	18.0
100°	29.5	11.5	34.4	36.1	24.6	13.1	27.9	29.5	16.4	8.2	8.2
102.5°	13.1	11.5	31.1	31.1	21.3	9.8	19.7	21.3	11.5	3.3	3.3
105°	11.5	6.6	18.0	22.9	14.7	4.9	9.8	11.5	6.6	3.3	3.3
107.5°	13.1	6.6	9.8	13.1	6.6	4.9	4.9	4.9	3.3	3.3	3.3



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CATALOG NUMBER: SDL-PA1-40-730-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.7	6.6	4.9	6.6	4.9	4.9	3.3	3.3	6.6	11.5	11.5
115°	14.7	6.6	4.9	6.6	4.9	4.9	3.3	1.6	6.6	16.4	18.0
117.5°	16.4	8.2	3.3	4.9	3.3	3.3	3.3	1.6	8.2	21.3	21.3
120°	19.7	8.2	3.3	3.3	3.3	1.6	3.3	3.3	8.2	22.9	22.9
122.5°	19.7	9.8	3.3	3.3	3.3	1.6	1.6	3.3	9.8	21.3	22.9
125°	16.4	8.2	3.3	3.3	3.3	1.6	1.6	3.3	9.8	19.7	22.9
127.5°	13.1	8.2	3.3	3.3	3.3	1.6	1.6	3.3	9.8	16.4	18.0
130°	11.5	6.6	3.3	3.3	3.3	1.6	1.6	3.3	8.2	13.1	14.7
132.5°	8.2	4.9	3.3	3.3	3.3	1.6	1.6	1.6	8.2	13.1	13.1
135°	6.6	4.9	3.3	3.3	3.3	1.6	1.6	1.6	6.6	9.8	9.8
137.5°	3.3	1.6	3.3	3.3	3.3	1.6	1.6	1.6	4.9	4.9	4.9
140°	1.6	1.6	1.6	3.3	1.6	1.6	1.6	1.6	1.6	3.3	1.6
142.5°	1.6	1.6	1.6	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6
145°	1.6	1.6	1.6	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6
147.5°	1.6	1.6	1.6	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6
150°	1.6	1.6	1.6	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6
152.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
155°	3.3	3.3	1.6	3.3	1.6	1.6	0.0	1.6	1.6	1.6	1.6
157.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
160°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	1.6	1.6	1.6	1.6
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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110°	14.7	14.7	3.3	4.9	4.9	3.3	1.6	3.3	6.6	9.8	16.4
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110°	13.1	6.6	4.9	8.2	6.6	4.9	3.3	3.3	3.3	4.9	4.9
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(END OF REPORT)