

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: P560381

Luminaire Tested: **SDL-PA1-40-740-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560381
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-PA1-40-740-U-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 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: 3769.9 lumens
Efficiency: N/A
Efficacy: 95.7 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: B1 - 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



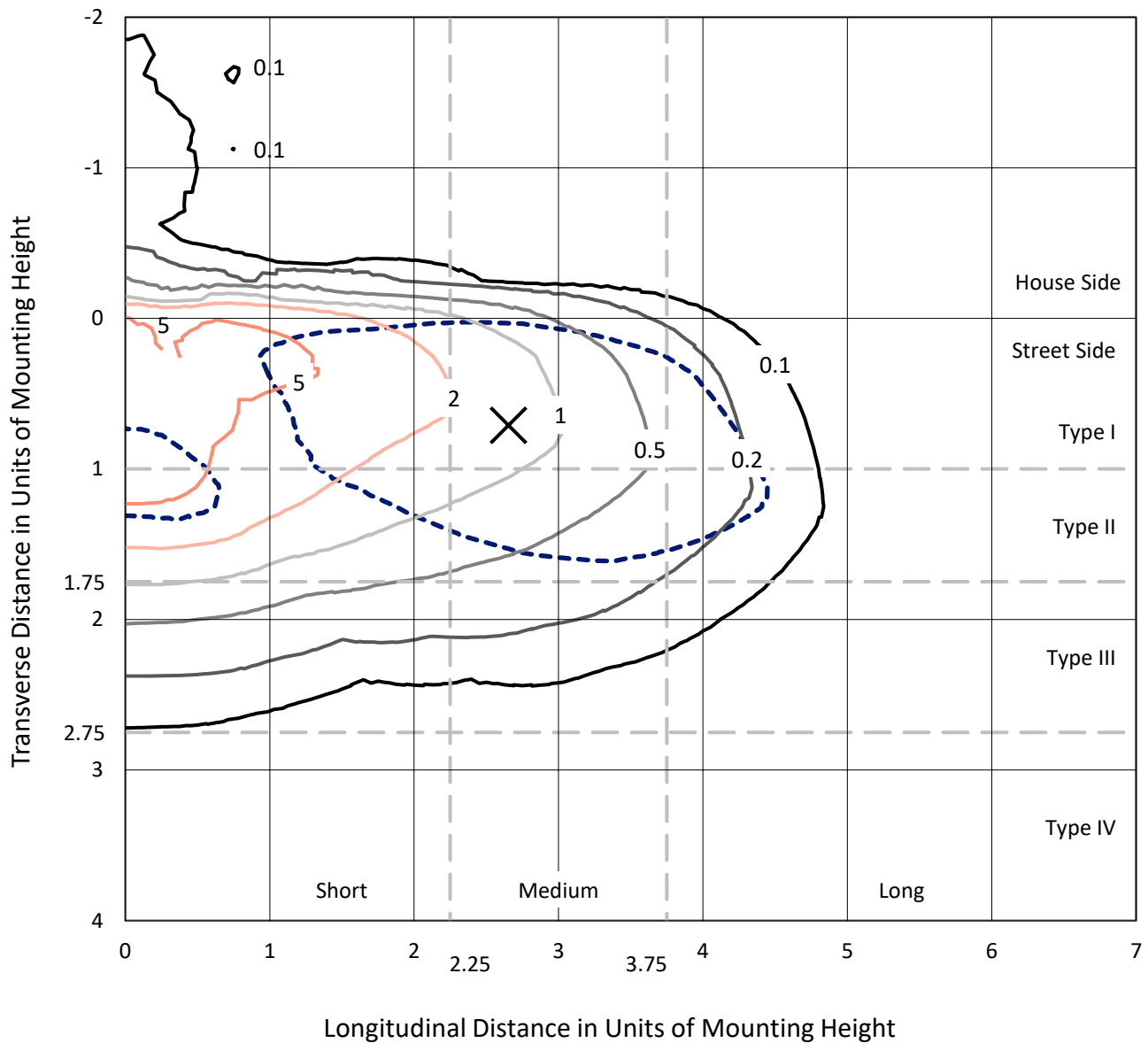
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

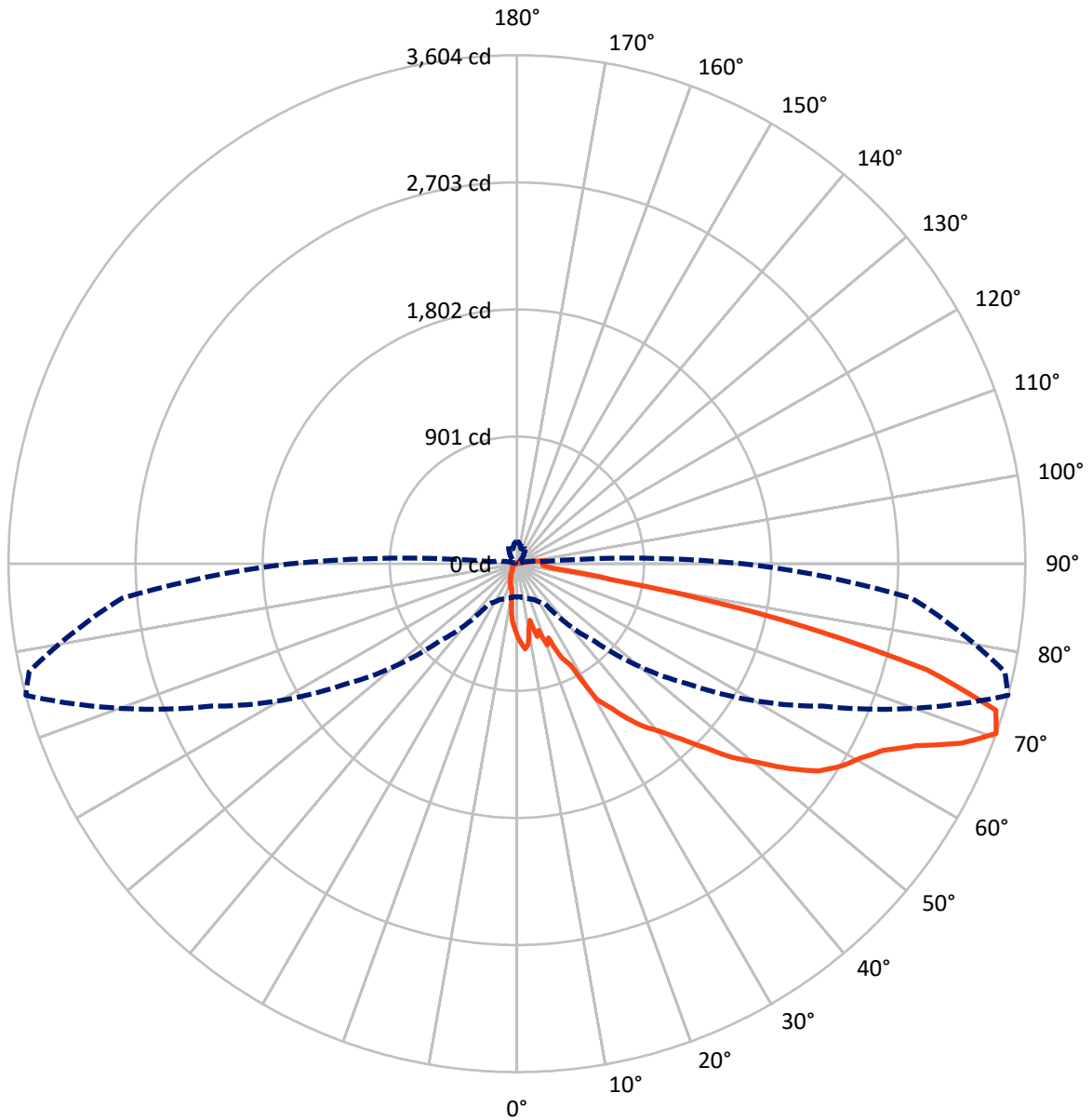


Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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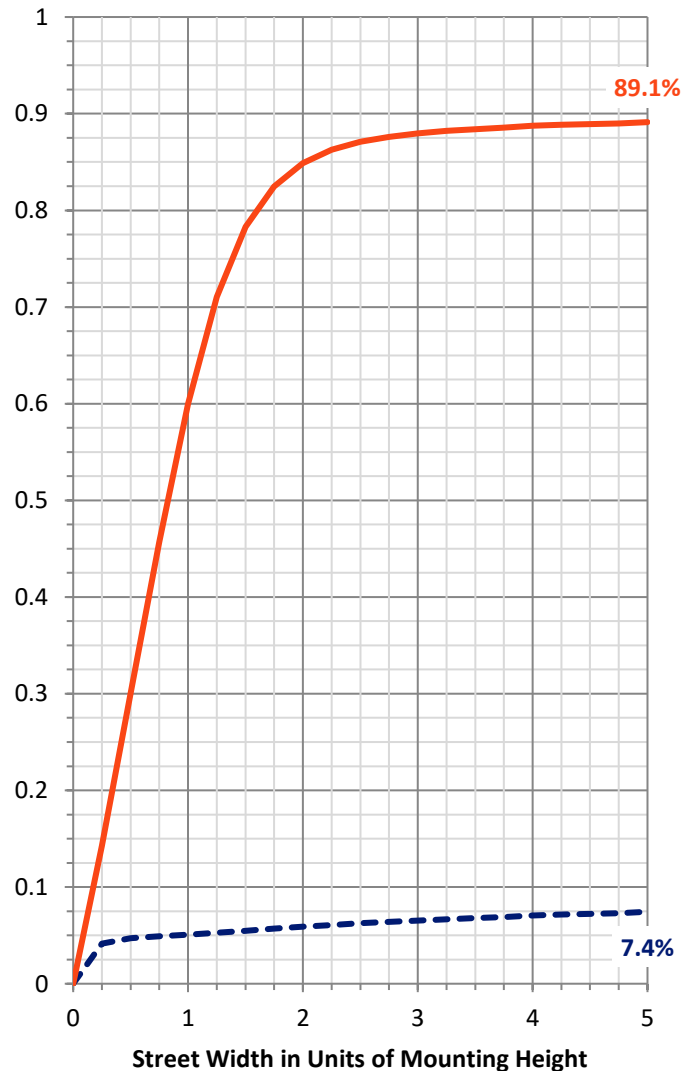
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	307.2	38.2	345.4
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	3376.5	48.0	3424.5
	% Fixture	89.6	1.3	90.8
Total	Lumens	3683.7	86.2	3769.9
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.7	1.1
10°-20°	99.4	2.6
20°-30°	186.6	4.9
30°-40°	418.7	11.1
40°-50°	689.0	18.3
50°-60°	844.6	22.4
60°-70°	791.1	21.0
70°-80°	515.2	13.7
80°-90°	98.4	2.6
90°-100°	56.5	1.5
100°-110°	12.7	0.3
110°-120°	6.5	0.2
120°-130°	5.4	0.1
130°-140°	2.7	0.1
140°-150°	1.3	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3683.7	97.7
0°-180°	3769.9	100.0



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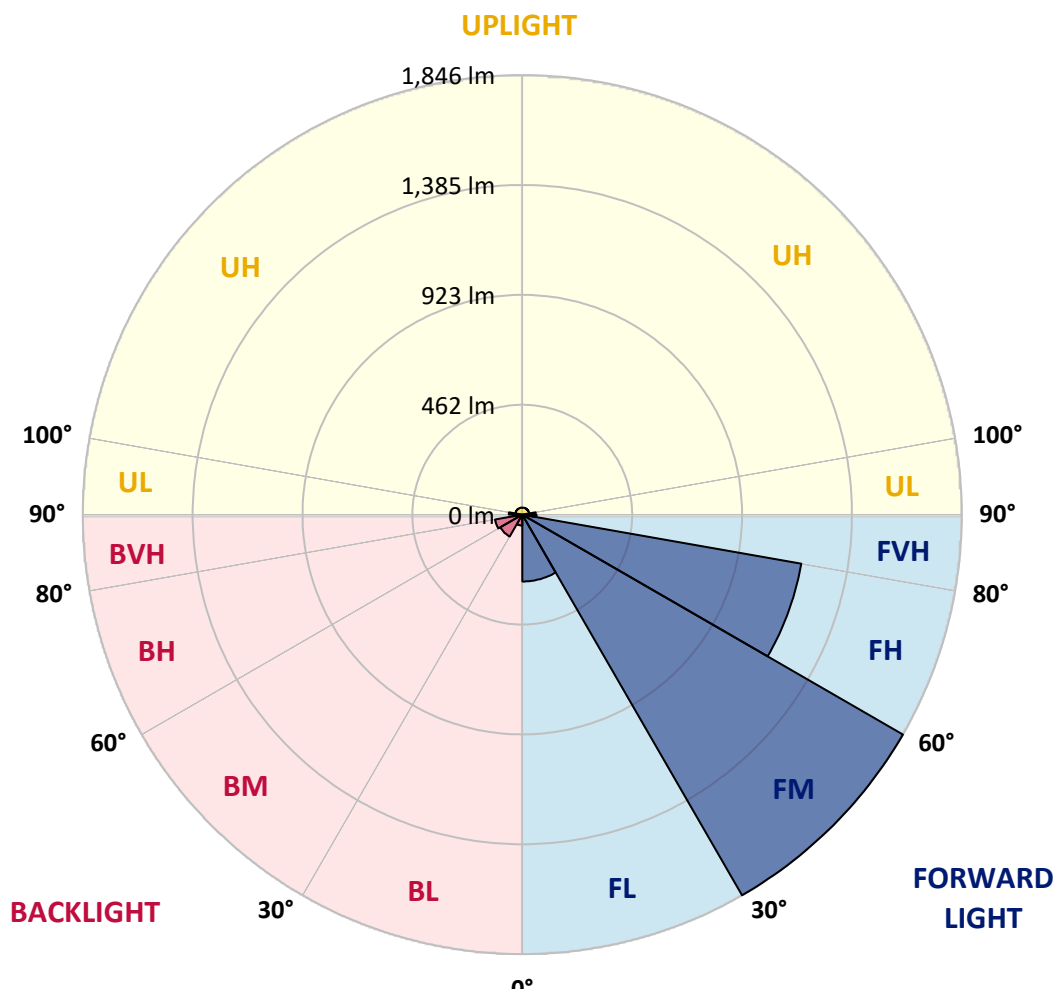
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	280.8	7.4			
FM	(30°-60°)	1846.2	49.0			
FH	(60°-80°)	1189.9	31.6			G1/1800
FVH	(80°-90°)	59.6	1.6			G1/100
BL	(0°-30°)	45.9	1.2	B0/110		
BM	(30°-60°)	106.2	2.8	B0/220		
BH	(60°-80°)	116.3	3.1	B1/500		G1/500
BVH	(80°-90°)	38.8	1.0			G1/100
UL	(90°-100°)	56.5	1.5		U3/500	
UH	(100°-180°)	29.7	0.8		U2/50	

BUG Rating: B1-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°	512.9	512.9	512.9	512.9	512.9	512.9	512.9	512.9	512.9	512.9	512.9
2.5°	572.2	608.2	619.0	637.0	646.0	635.2	615.4	590.2	563.2	556.1	532.7
5°	649.6	642.4	637.0	637.0	626.2	602.8	581.2	647.8	606.4	597.4	550.7
7.5°	590.2	646.0	687.4	691.0	685.6	667.6	637.0	568.6	577.6	566.8	509.3
10°	714.4	716.2	709.0	714.4	664.0	638.8	539.9	498.5	466.1	509.3	457.1
12.5°	592.0	680.2	730.6	748.6	685.6	602.8	552.5	530.9	412.1	401.3	413.9
15°	723.4	727.0	732.4	714.4	556.1	631.6	512.9	473.3	534.5	520.1	511.1
17.5°	572.2	579.4	701.8	694.6	644.2	500.3	610.0	543.5	496.7	478.7	466.1
20°	728.8	730.6	728.8	552.5	601.0	673.0	574.0	556.1	615.4	608.2	575.8
22.5°	611.8	611.8	653.2	709.0	631.6	674.8	584.8	692.8	572.2	568.6	428.3
25°	845.8	845.8	817.0	626.2	716.2	635.2	694.6	622.6	739.6	714.4	642.4
27.5°	822.4	797.2	752.2	790.0	692.8	795.4	673.0	759.4	815.2	838.6	800.8
30°	1142.7	1142.7	1094.1	845.8	811.6	768.4	777.4	908.8	1117.5	1121.1	968.1
32.5°	1547.6	1518.8	1261.5	1090.5	887.2	964.5	878.2	1068.9	1214.7	1209.3	1029.3
35°	1713.1	1704.1	1625.0	1338.8	1027.5	1056.3	989.7	1130.1	1346.0	1310.0	1103.1
37.5°	1882.3	1867.9	1786.9	1479.2	1175.1	1212.9	1072.5	1220.1	1466.6	1414.4	1184.1
40°	1986.7	1988.5	1930.9	1590.8	1292.1	1311.8	1171.5	1329.8	1563.8	1574.6	1254.3
42.5°	2096.4	2094.6	2047.8	1722.1	1389.2	1414.4	1250.7	1434.2	1695.1	1707.7	1373.0
45°	2155.8	2152.2	2125.2	1812.1	1466.6	1484.6	1373.0	1562.0	1855.3	1851.7	1470.2
47.5°	2170.2	2175.6	2173.8	1900.3	1547.6	1554.8	1482.8	1655.6	2049.6	2010.1	1598.0
50°	2089.2	2092.8	2118.0	1970.5	1607.0	1614.2	1569.2	1761.7	2213.4	2166.6	1713.1
52.5°	1864.3	1885.9	1992.1	1927.3	1632.2	1659.2	1650.2	1842.7	2413.2	2355.6	1855.3
55°	1385.6	1436.0	1678.9	1765.3	1619.6	1661.0	1722.1	1990.3	2594.9	2524.7	1970.5
57.5°	1104.9	1113.9	1257.9	1495.4	1517.0	1652.0	1797.7	2080.2	2708.3	2638.1	2053.2
60°	872.8	887.2	980.7	1171.5	1324.4	1598.0	1819.3	2172.0	2798.2	2738.9	2145.0
62.5°	676.6	674.8	746.8	874.6	1067.1	1484.6	1790.5	2227.8	2913.4	2868.4	2308.8
65°	471.5	471.5	532.7	635.2	808.0	1281.3	1732.9	2307.0	3109.6	3097.0	2512.1
67.5°	322.1	329.3	370.7	421.1	554.3	1041.9	1646.6	2388.0	3395.7	3336.3	2708.3
70°	235.7	235.7	251.9	278.9	345.5	777.4	1491.8	2389.8	3604.4	3543.2	2810.8
72.5°	174.6	174.6	187.1	199.7	217.7	516.5	1223.7	2238.6	3550.4	3453.3	2602.1
75°	91.8	91.8	142.2	147.6	145.8	334.7	903.4	1839.1	3001.6	2839.6	2037.1
77.5°	72.0	73.8	81.0	115.2	106.2	219.5	503.9	1131.9	1939.9	1741.9	1103.1
80°	52.2	50.4	63.0	73.8	63.0	127.8	237.5	496.7	687.4	595.6	363.5
82.5°	30.6	32.4	37.8	54.0	54.0	90.0	154.8	217.7	246.5	244.7	217.7
85°	3.6	5.4	19.8	36.0	32.4	52.2	129.6	151.2	194.3	197.9	194.3
87.5°	3.6	3.6	5.4	7.2	9.0	34.2	109.8	131.4	180.0	192.5	194.3
90°	7.2	5.4	3.6	3.6	5.4	27.0	102.6	135.0	190.7	194.3	203.3
92.5°	9.0	7.2	3.6	1.8	5.4	21.6	97.2	135.0	197.9	210.5	219.5
95°	12.6	10.8	3.6	1.8	5.4	18.0	82.8	127.8	206.9	228.5	237.5
97.5°	16.2	14.4	3.6	3.6	5.4	14.4	64.8	100.8	136.8	154.8	167.4
100°	18.0	18.0	3.6	3.6	5.4	9.0	32.4	55.8	43.2	41.4	46.8
102.5°	19.8	19.8	3.6	3.6	3.6	5.4	10.8	23.4	9.0	9.0	14.4
105°	19.8	19.8	3.6	3.6	3.6	3.6	3.6	9.0	7.2	9.0	16.2
107.5°	18.0	19.8	3.6	5.4	5.4	3.6	3.6	3.6	7.2	10.8	16.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	12.6	9.0	1.8	5.4	3.6	3.6	1.8	3.6	9.0	12.6	18.0
115°	5.4	3.6	1.8	3.6	3.6	3.6	1.8	3.6	9.0	14.4	18.0
117.5°	3.6	1.8	1.8	1.8	1.8	3.6	1.8	5.4	12.6	16.2	21.6
120°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.4	16.2	18.0	25.2
122.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	16.2	18.0	25.2
125°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	12.6	16.2	21.6
127.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	9.0	12.6	18.0
130°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	9.0	10.8	14.4
132.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.4	7.2	10.8
135°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6	7.2
137.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
140°	1.8	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
142.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
145°	1.8	1.8	1.8	1.8	3.6	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	1.8	1.8	1.8	3.6	3.6	3.6	1.8	1.8	1.8	1.8	1.8
150°	3.6	5.4	9.0	7.2	3.6	1.8	3.6	1.8	1.8	1.8	1.8
152.5°	9.0	9.0	7.2	7.2	1.8	1.8	3.6	3.6	1.8	1.8	1.8
155°	7.2	7.2	5.4	1.8	1.8	1.8	1.8	3.6	5.4	7.2	5.4
157.5°	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
160°	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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°	512.9	512.9	512.9	512.9	512.9	512.9	512.9	512.9	512.9	512.9	512.9
2.5°	514.7	496.7	457.1	426.5	394.1	376.1	341.9	313.1	291.5	287.9	287.9
5°	514.7	478.7	408.5	332.9	262.7	226.7	206.9	194.3	185.4	181.8	180.0
7.5°	460.7	413.9	320.3	232.1	201.5	169.2	145.8	127.8	111.6	106.2	100.8
10°	403.1	345.5	217.7	160.2	127.8	106.2	95.4	90.0	84.6	82.8	82.8
12.5°	358.1	298.7	174.6	131.4	90.0	75.6	72.0	68.4	66.6	64.8	63.0
15°	437.3	358.1	181.8	90.0	63.0	54.0	50.4	52.2	55.8	55.8	55.8
17.5°	404.9	314.9	151.2	68.4	52.2	39.6	43.2	46.8	50.4	45.0	43.2
20°	484.1	370.7	147.6	54.0	43.2	39.6	37.8	32.4	41.4	41.4	41.4
22.5°	350.9	280.7	111.6	50.4	36.0	34.2	28.8	32.4	34.2	28.8	28.8
25°	520.1	365.3	109.8	39.6	36.0	27.0	28.8	23.4	28.8	28.8	28.8
27.5°	644.2	431.9	97.2	41.4	30.6	27.0	21.6	23.4	21.6	21.6	21.6
30°	766.6	485.9	88.2	41.4	28.8	21.6	19.8	18.0	21.6	21.6	21.6
32.5°	802.6	473.3	70.2	43.2	27.0	19.8	16.2	18.0	18.0	19.8	19.8
35°	844.0	462.5	59.4	37.8	25.2	18.0	14.4	16.2	18.0	19.8	19.8
37.5°	883.6	444.5	54.0	34.2	21.6	16.2	12.6	14.4	37.8	41.4	41.4
40°	933.9	422.9	50.4	30.6	18.0	12.6	10.8	28.8	34.2	39.6	39.6
42.5°	1005.9	410.3	46.8	28.8	16.2	10.8	10.8	25.2	48.6	54.0	54.0
45°	1065.3	388.7	45.0	25.2	14.4	9.0	18.0	34.2	39.6	50.4	48.6
47.5°	1139.1	368.9	43.2	23.4	12.6	9.0	19.8	36.0	50.4	57.6	57.6
50°	1218.3	358.1	41.4	21.6	12.6	9.0	34.2	34.2	41.4	64.8	64.8
52.5°	1319.0	350.9	37.8	18.0	10.8	18.0	46.8	41.4	50.4	66.6	66.6
55°	1367.6	327.5	36.0	16.2	9.0	18.0	50.4	46.8	52.2	70.2	70.2
57.5°	1410.8	304.1	32.4	16.2	9.0	23.4	54.0	59.4	50.4	61.2	68.4
60°	1450.4	280.7	28.8	14.4	9.0	28.8	59.4	82.8	70.2	82.8	82.8
62.5°	1542.2	262.7	25.2	16.2	7.2	32.4	77.4	100.8	79.2	100.8	99.0
65°	1628.6	241.1	23.4	14.4	9.0	37.8	84.6	117.0	86.4	117.0	117.0
67.5°	1662.8	214.1	21.6	14.4	9.0	43.2	84.6	129.6	102.6	131.4	133.2
70°	1603.4	176.4	19.8	16.2	10.8	48.6	88.2	138.6	109.8	153.0	153.0
72.5°	1362.2	120.6	19.8	18.0	21.6	54.0	104.4	144.0	115.2	183.6	185.4
75°	1016.7	68.4	21.6	19.8	23.4	61.2	115.2	149.4	120.6	185.4	185.4
77.5°	579.4	46.8	21.6	23.4	28.8	61.2	120.6	154.8	118.8	181.8	178.2
80°	201.5	34.2	21.6	27.0	36.0	61.2	122.4	153.0	115.2	169.2	169.2
82.5°	136.8	28.8	21.6	27.0	43.2	64.8	120.6	144.0	102.6	142.2	136.8
85°	127.8	23.4	23.4	28.8	46.8	64.8	109.8	124.2	86.4	106.2	104.4
87.5°	126.0	21.6	27.0	30.6	50.4	59.4	93.6	102.6	70.2	86.4	84.6
90°	131.4	21.6	28.8	32.4	46.8	48.6	75.6	86.4	57.6	68.4	66.6
92.5°	140.4	21.6	30.6	36.0	41.4	36.0	61.2	68.4	48.6	52.2	50.4
95°	149.4	21.6	34.2	37.8	34.2	27.0	46.8	55.8	39.6	37.8	37.8
97.5°	99.0	16.2	36.0	37.8	28.8	19.8	36.0	43.2	23.4	19.8	19.8
100°	32.4	12.6	37.8	39.6	27.0	14.4	30.6	32.4	18.0	9.0	9.0
102.5°	14.4	12.6	34.2	34.2	23.4	10.8	21.6	23.4	12.6	3.6	3.6
105°	12.6	7.2	19.8	25.2	16.2	5.4	10.8	12.6	7.2	3.6	3.6
107.5°	14.4	7.2	10.8	14.4	7.2	5.4	5.4	5.4	3.6	3.6	3.6



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CATALOG NUMBER: SDL-PA1-40-740-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.2	7.2	5.4	7.2	5.4	5.4	3.6	3.6	7.2	12.6	12.6
115°	16.2	7.2	5.4	7.2	5.4	5.4	3.6	1.8	7.2	18.0	19.8
117.5°	18.0	9.0	3.6	5.4	3.6	3.6	3.6	1.8	9.0	23.4	23.4
120°	21.6	9.0	3.6	3.6	3.6	1.8	3.6	3.6	9.0	25.2	25.2
122.5°	21.6	10.8	3.6	3.6	3.6	1.8	1.8	3.6	10.8	23.4	25.2
125°	18.0	9.0	3.6	3.6	3.6	1.8	1.8	3.6	10.8	21.6	25.2
127.5°	14.4	9.0	3.6	3.6	3.6	1.8	1.8	3.6	10.8	18.0	19.8
130°	12.6	7.2	3.6	3.6	3.6	1.8	1.8	3.6	9.0	14.4	16.2
132.5°	9.0	5.4	3.6	3.6	3.6	1.8	1.8	1.8	9.0	14.4	14.4
135°	7.2	5.4	3.6	3.6	3.6	1.8	1.8	1.8	7.2	10.8	10.8
137.5°	3.6	1.8	3.6	3.6	3.6	1.8	1.8	1.8	5.4	5.4	5.4
140°	1.8	1.8	1.8	3.6	1.8	1.8	1.8	1.8	1.8	3.6	1.8
142.5°	1.8	1.8	1.8	3.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8
145°	1.8	1.8	1.8	3.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	1.8	1.8	1.8	3.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8
150°	1.8	1.8	1.8	3.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8
152.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8
155°	3.6	3.6	1.8	3.6	1.8	1.8	0.0	1.8	1.8	1.8	1.8
157.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8
160°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8
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°	16.2	16.2	3.6	5.4	5.4	3.6	1.8	3.6	7.2	10.8	18.0
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110°	14.4	7.2	5.4	9.0	7.2	5.4	3.6	3.6	3.6	5.4	5.4
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(END OF REPORT)