

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: P561081

Luminaire Tested: **SDL-PA1-80-740-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561081
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-PA1-80-740-U-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 1050mA 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: 7327.4 lumens
Efficiency: N/A
Efficacy: 89.4 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 - 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

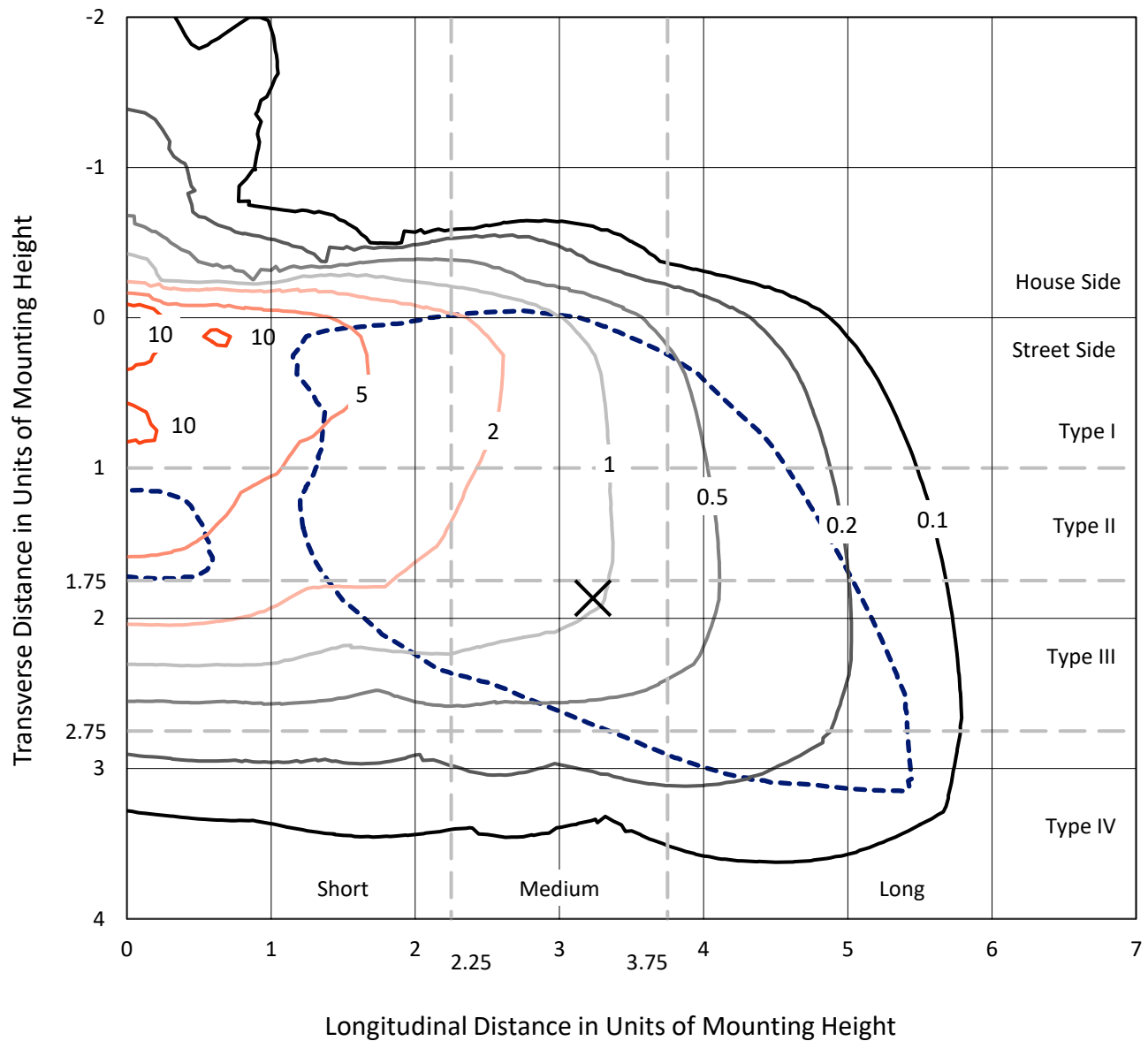


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Iso-Footcandle Lines of Horizontal Illumination

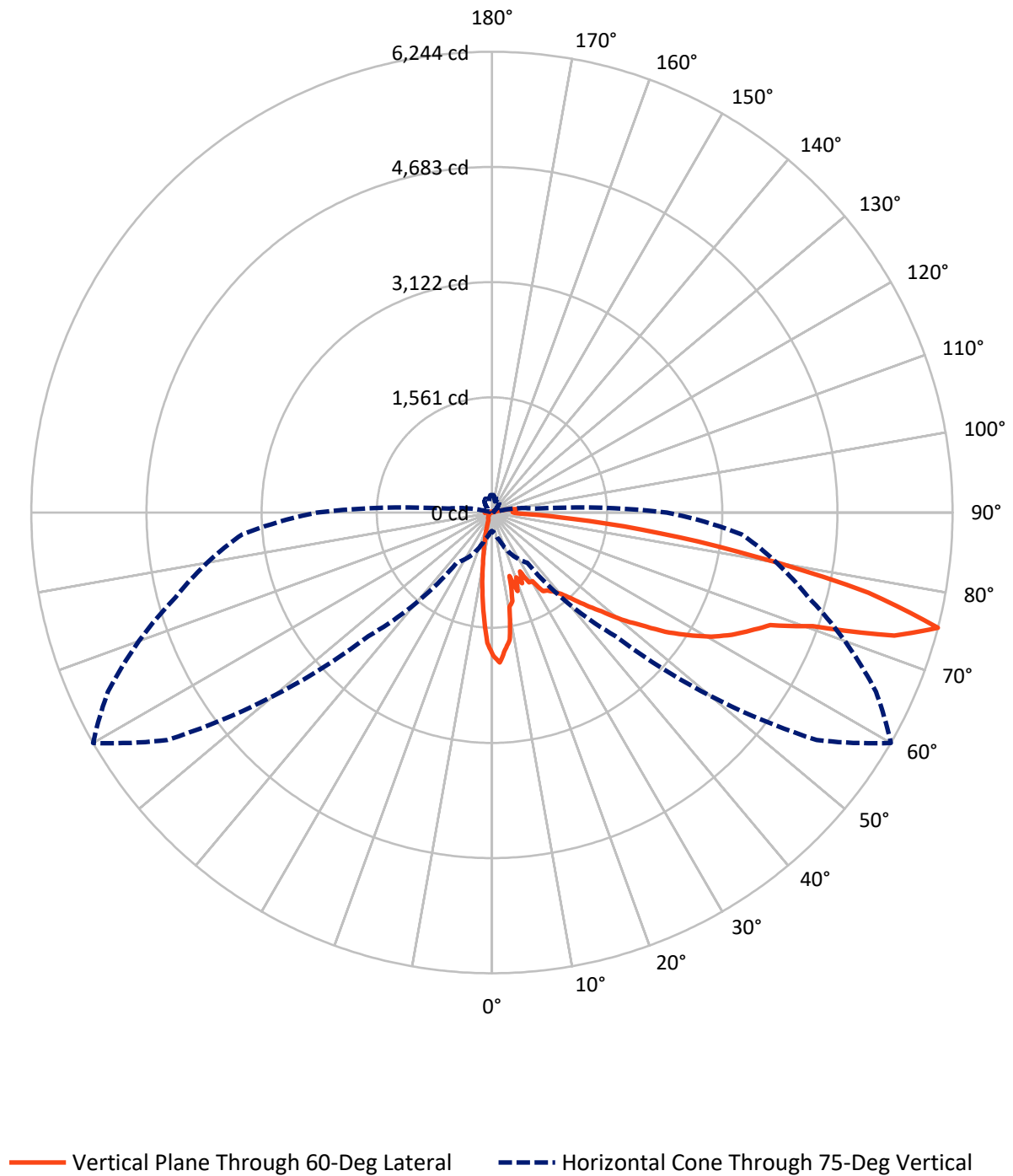
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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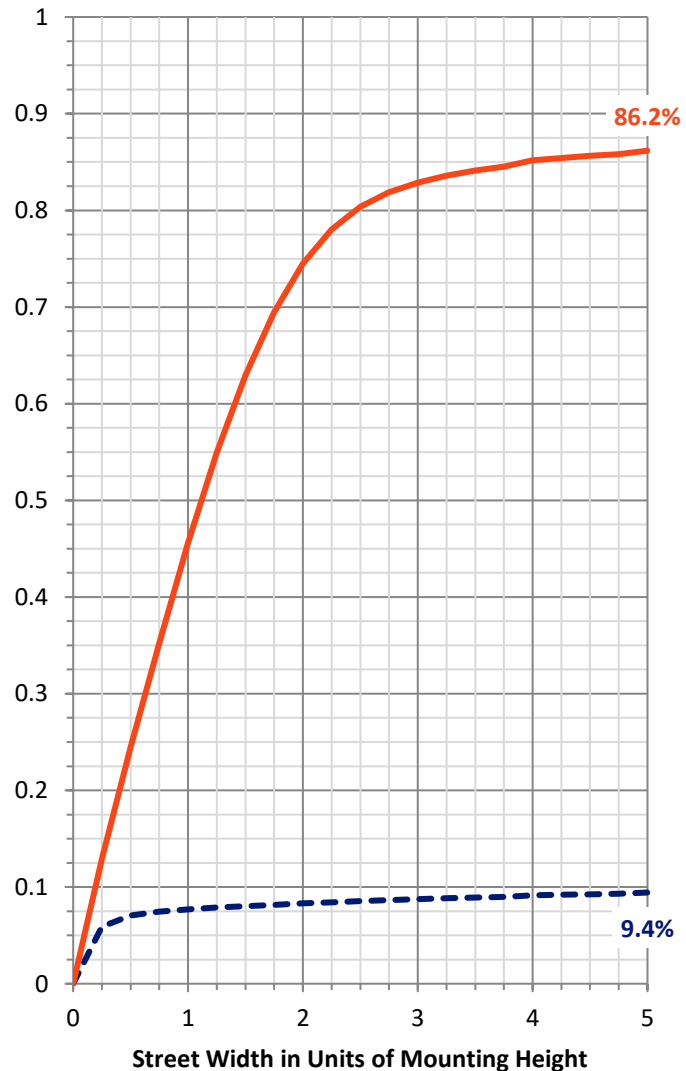
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	757.2	98.7	856.0
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	6368.2	103.2	6471.4
	% Fixture	86.9	1.4	88.3
Total	Lumens	7125.4	202.0	7327.4
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.4	1.8
10°-20°	220.5	3.0
20°-30°	311.7	4.3
30°-40°	560.2	7.6
40°-50°	943.9	12.9
50°-60°	1468.1	20.0
60°-70°	1732.4	23.6
70°-80°	1405.3	19.2
80°-90°	348.9	4.8
90°-100°	140.8	1.9
100°-110°	32.6	0.4
110°-120°	10.2	0.1
120°-130°	9.1	0.1
130°-140°	4.8	0.1
140°-150°	2.3	0.0
150°-160°	2.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7125.4	97.2
0°-180°	7327.4	100.0



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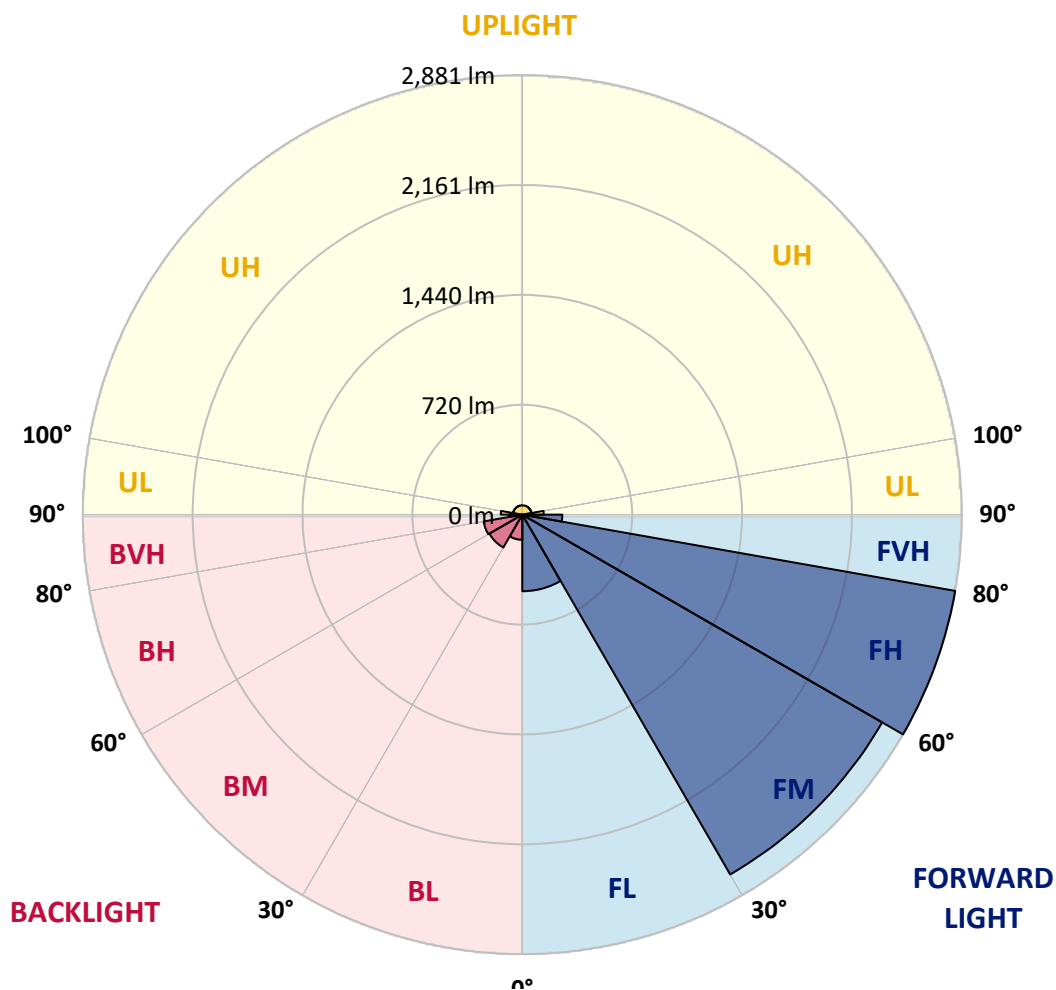
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	501.9	6.8			
FM	(30°-60°)	2723.3	37.2			
FH	(60°-80°)	2880.7	39.3			G2/5000
FVH	(80°-90°)	262.3	3.6			G3/500
BL	(0°-30°)	164.7	2.2	B1/500		
BM	(30°-60°)	248.9	3.4	B1/1000		
BH	(60°-80°)	257.1	3.5	B1/500		G1/500
BVH	(80°-90°)	86.6	1.2			G1/100
UL	(90°-100°)	140.8	1.9		U3/500	
UH	(100°-180°)	61.1	0.8		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1936.9	1936.9	1936.9	1936.9	1936.9	1936.9	1936.9	1936.9	1936.9	1936.9	1936.9
2.5°	1821.8	1960.6	1920.0	2048.7	2065.6	2058.8	2052.1	2035.1	2018.2	1987.7	1940.3
5°	1747.3	1760.8	1750.7	1774.4	1777.8	1787.9	1771.0	1865.8	2025.0	1984.3	1909.8
7.5°	1435.8	1578.0	1594.9	1638.9	1679.6	1720.2	1743.9	1740.5	1537.4	1727.0	1642.3
10°	1466.2	1486.6	1483.2	1513.7	1479.8	1422.2	1296.9	1300.3	1300.3	1341.0	1385.0
12.5°	1161.5	1222.4	1371.4	1418.8	1317.2	1198.7	1208.9	1232.6	1249.5	1059.9	1168.3
15°	1317.2	1320.6	1324.0	1324.0	992.2	1134.4	988.8	894.0	1022.6	1252.9	1273.2
17.5°	1032.8	1022.6	1192.0	1178.4	1093.8	843.2	1097.1	1120.8	1076.8	1053.1	1059.9
20°	1212.3	1212.3	1202.1	958.3	1009.1	1087.0	941.4	938.0	992.2	1232.6	1246.1
22.5°	982.0	971.9	1026.0	1066.7	958.3	1036.2	927.8	1043.0	1154.7	1090.4	890.6
25°	1229.2	1229.2	1188.6	924.4	992.2	890.6	1029.4	883.8	982.0	1334.2	1269.8
27.5°	1137.8	1107.3	1012.5	1049.7	890.6	1036.2	948.1	1073.4	1134.4	1381.6	1479.8
30°	1469.6	1459.5	1351.1	1056.5	1012.5	951.5	1019.3	1080.2	1307.1	1791.3	1710.1
32.5°	1960.6	1906.5	1537.4	1307.1	1063.3	1127.6	1087.0	1269.8	1435.8	1832.0	1733.8
35°	2092.7	2052.1	1876.0	1588.1	1192.0	1192.0	1168.3	1296.9	1473.0	1920.0	1784.6
37.5°	2136.7	2133.3	2072.4	1737.1	1368.0	1371.4	1236.0	1361.3	1547.5	2038.5	1859.0
40°	2163.8	2170.6	2231.5	1892.9	1554.3	1547.5	1361.3	1452.7	1662.6	2167.2	1994.5
42.5°	2278.9	2316.2	2390.7	2065.6	1730.4	1733.8	1513.7	1598.3	1815.0	2380.5	2180.7
45°	2536.3	2546.5	2590.5	2302.6	1896.3	1920.0	1706.7	1794.7	2001.3	2614.2	2390.7
47.5°	2925.7	2925.7	2851.2	2488.9	2092.7	2126.6	1909.8	2001.3	2221.4	2956.2	2634.5
50°	3271.1	3244.0	3081.5	2709.0	2251.9	2326.4	2177.4	2282.3	2407.6	3216.9	2939.3
52.5°	3487.8	3477.7	3277.9	2858.0	2421.2	2546.5	2397.5	2532.9	2624.3	3487.8	3213.5
55°	3457.4	3457.4	3328.7	2935.9	2576.9	2746.2	2681.9	2851.2	2885.1	3745.2	3413.3
57.5°	3342.2	3359.2	3298.2	2966.4	2607.4	2935.9	2973.1	3132.3	3189.8	3894.2	3538.6
60°	3108.6	3142.4	3206.8	3007.0	2725.9	3149.2	3271.1	3413.3	3521.7	4005.9	3643.6
62.5°	2671.7	2715.8	2942.6	3003.6	2817.4	3369.3	3525.1	3650.4	3752.0	4066.9	3718.1
65°	2025.0	2106.2	2434.7	2786.9	2810.6	3626.7	3731.6	3853.5	3951.7	4127.8	3911.1
67.5°	1293.5	1296.9	1652.5	2302.6	2621.0	3989.0	4009.3	4070.3	4134.6	4297.1	4185.4
70°	667.1	701.0	870.3	1469.6	2146.9	4063.5	4703.5	4615.5	4517.3	4666.2	4541.0
72.5°	443.6	480.8	572.3	792.4	1347.7	3663.9	5458.6	5702.4	5269.0	4940.5	4229.4
75°	250.6	270.9	382.6	626.5	833.0	2367.0	5374.0	6244.2	5743.1	4439.4	3399.8
77.5°	111.7	118.5	172.7	491.0	714.5	1154.7	4229.4	5218.2	5018.4	3701.2	2451.6
80°	61.0	61.0	81.3	226.9	606.1	870.3	2807.2	3633.4	3413.3	2231.5	1114.1
82.5°	33.9	37.2	47.4	108.4	369.1	795.8	1774.4	2278.9	1801.5	612.9	450.4
85°	13.5	13.5	20.3	57.6	135.4	673.9	971.9	1083.6	728.0	311.5	348.8
87.5°	6.8	6.8	6.8	20.3	44.0	172.7	318.3	342.0	267.5	247.2	301.4
90°	10.2	10.2	6.8	6.8	30.5	182.9	267.5	281.1	220.1	247.2	304.8
92.5°	13.5	10.2	6.8	6.8	23.7	182.9	304.8	301.4	220.1	247.2	314.9
95°	16.9	13.5	6.8	6.8	23.7	162.5	365.7	328.5	237.0	250.6	331.9
97.5°	16.9	16.9	6.8	6.8	23.7	125.3	386.0	331.9	206.6	162.5	226.9
100°	20.3	20.3	6.8	6.8	27.1	74.5	267.5	247.2	145.6	54.2	64.3
102.5°	23.7	23.7	6.8	6.8	16.9	37.2	128.7	125.3	81.3	13.5	23.7
105°	23.7	27.1	6.8	6.8	6.8	16.9	47.4	57.6	40.6	13.5	23.7
107.5°	27.1	30.5	6.8	6.8	6.8	10.2	20.3	20.3	13.5	13.5	23.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	20.3	20.3	3.4	6.8	6.8	6.8	3.4	6.8	6.8	10.2	20.3
115°	10.2	6.8	3.4	6.8	3.4	6.8	3.4	6.8	10.2	10.2	23.7
117.5°	3.4	3.4	3.4	3.4	3.4	6.8	3.4	6.8	6.8	16.9	30.5
120°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	23.7	37.2
122.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	23.7	44.0
125°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	16.9	40.6
127.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	16.9	33.9
130°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	13.5	30.5
132.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	13.5	23.7
135°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	16.9
137.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8
140°	3.4	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
142.5°	3.4	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
145°	3.4	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4
150°	13.5	13.5	13.5	10.2	6.8	3.4	10.2	6.8	3.4	3.4	3.4
152.5°	10.2	10.2	16.9	6.8	3.4	3.4	3.4	10.2	10.2	3.4	3.4
155°	10.2	10.2	6.8	3.4	3.4	3.4	3.4	3.4	3.4	10.2	13.5
157.5°	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4	3.4	6.8	3.4
160°	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4
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°	1936.9	1936.9	1936.9	1936.9	1936.9	1936.9	1936.9	1936.9	1936.9	1936.9	1936.9
2.5°	1923.4	1903.1	1848.9	1798.1	1737.1	1699.9	1571.2	1425.6	1395.1	1388.4	1364.7
5°	1876.0	1832.0	1727.0	1503.5	1280.0	1178.4	1131.0	1093.8	1043.0	1032.8	1019.3
7.5°	1591.5	1517.0	1354.5	1080.2	1046.4	951.5	873.7	809.3	670.5	633.2	612.9
10°	1324.0	1259.7	924.4	785.6	714.5	643.4	558.7	494.4	436.8	409.7	399.6
12.5°	1070.1	1005.7	690.8	623.1	443.6	365.7	318.3	264.1	220.1	196.4	196.4
15°	1185.2	1080.2	714.5	443.6	291.2	216.7	159.2	142.2	165.9	169.3	169.3
17.5°	968.5	863.5	562.1	345.4	213.3	118.5	128.7	145.6	159.2	138.8	142.2
20°	1114.1	968.5	565.5	260.7	135.4	115.1	118.5	108.4	145.6	149.0	149.0
22.5°	843.2	761.9	426.7	206.6	105.0	108.4	101.6	121.9	135.4	118.5	115.1
25°	1090.4	897.4	433.4	132.1	105.0	88.0	105.0	94.8	125.3	128.7	128.7
27.5°	1249.5	1005.7	379.3	115.1	88.0	94.8	84.7	98.2	94.8	94.8	94.8
30°	1418.8	1097.1	369.1	111.7	84.7	77.9	81.3	77.9	91.4	94.8	94.8
32.5°	1418.8	1049.7	281.1	111.7	81.3	74.5	64.3	71.1	74.5	81.3	84.7
35°	1429.0	1009.1	206.6	101.6	74.5	64.3	57.6	57.6	64.3	67.7	67.7
37.5°	1459.5	982.0	159.2	94.8	67.7	57.6	47.4	50.8	88.0	98.2	98.2
40°	1544.1	982.0	135.4	88.0	61.0	50.8	40.6	64.3	74.5	88.0	88.0
42.5°	1676.2	995.6	128.7	84.7	54.2	44.0	33.9	50.8	91.4	105.0	108.4
45°	1815.0	1022.6	121.9	81.3	50.8	37.2	40.6	61.0	71.1	94.8	94.8
47.5°	2008.0	1080.2	118.5	77.9	47.4	30.5	37.2	61.0	77.9	101.6	101.6
50°	2218.0	1141.2	111.7	74.5	40.6	27.1	57.6	50.8	64.3	105.0	105.0
52.5°	2434.7	1212.3	108.4	71.1	37.2	37.2	64.3	61.0	77.9	101.6	105.0
55°	2624.3	1269.8	101.6	71.1	33.9	33.9	67.7	61.0	71.1	94.8	98.2
57.5°	2715.8	1280.0	98.2	67.7	30.5	33.9	64.3	74.5	64.3	77.9	84.7
60°	2830.9	1307.1	88.0	61.0	27.1	44.0	74.5	98.2	88.0	101.6	108.4
62.5°	2939.3	1327.4	77.9	54.2	23.7	47.4	98.2	118.5	94.8	118.5	132.1
65°	3139.1	1371.4	64.3	44.0	20.3	54.2	111.7	142.2	105.0	138.8	138.8
67.5°	3416.7	1442.5	50.8	37.2	20.3	61.0	115.1	162.5	125.3	152.4	149.0
70°	3525.1	1327.4	44.0	33.9	20.3	71.1	125.3	176.1	132.1	169.3	169.3
72.5°	3074.7	958.3	37.2	33.9	33.9	81.3	155.8	193.0	145.6	213.3	209.9
75°	2373.8	602.8	37.2	33.9	40.6	101.6	176.1	206.6	155.8	237.0	233.7
77.5°	1581.4	284.4	37.2	37.2	47.4	111.7	189.6	220.1	172.7	264.1	260.7
80°	619.7	155.8	40.6	40.6	57.6	118.5	203.2	226.9	179.5	284.4	281.1
82.5°	298.0	108.4	40.6	40.6	77.9	132.1	216.7	237.0	186.2	287.8	284.4
85°	254.0	101.6	37.2	44.0	94.8	165.9	230.3	233.7	189.6	274.3	274.3
87.5°	226.9	98.2	37.2	44.0	128.7	193.0	240.4	230.3	203.2	267.5	267.5
90°	233.7	105.0	40.6	50.8	145.6	196.4	243.8	230.3	196.4	247.2	247.2
92.5°	250.6	111.7	44.0	54.2	145.6	182.9	226.9	206.6	182.9	209.9	206.6
95°	264.1	118.5	47.4	61.0	128.7	142.2	189.6	165.9	152.4	162.5	162.5
97.5°	203.2	91.4	54.2	67.7	98.2	84.7	118.5	108.4	81.3	67.7	67.7
100°	54.2	30.5	57.6	67.7	67.7	57.6	88.0	81.3	54.2	23.7	23.7
102.5°	20.3	20.3	54.2	64.3	54.2	44.0	64.3	61.0	44.0	6.8	6.8
105°	20.3	16.9	33.9	50.8	33.9	23.7	33.9	40.6	27.1	6.8	6.8
107.5°	20.3	16.9	20.3	30.5	13.5	10.2	13.5	13.5	13.5	3.4	6.8



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CATALOG NUMBER: SDL-PA1-80-740-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.3	16.9	10.2	13.5	10.2	10.2	6.8	6.8	10.2	20.3	20.3
115°	20.3	16.9	10.2	10.2	6.8	10.2	6.8	3.4	10.2	23.7	27.1
117.5°	27.1	16.9	6.8	6.8	6.8	6.8	6.8	3.4	10.2	30.5	33.9
120°	33.9	20.3	6.8	6.8	6.8	3.4	6.8	3.4	13.5	30.5	33.9
122.5°	37.2	23.7	6.8	6.8	6.8	3.4	3.4	6.8	13.5	30.5	30.5
125°	37.2	23.7	6.8	6.8	3.4	3.4	3.4	3.4	13.5	30.5	33.9
127.5°	30.5	20.3	6.8	6.8	3.4	3.4	3.4	3.4	13.5	27.1	30.5
130°	27.1	20.3	6.8	6.8	3.4	3.4	3.4	3.4	13.5	23.7	27.1
132.5°	20.3	16.9	6.8	3.4	3.4	3.4	3.4	3.4	13.5	20.3	23.7
135°	16.9	10.2	6.8	3.4	3.4	3.4	3.4	3.4	10.2	20.3	20.3
137.5°	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4	6.8	10.2	10.2
140°	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8
142.5°	3.4	6.8	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
145°	3.4	6.8	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
147.5°	3.4	6.8	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
150°	3.4	6.8	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	6.8
152.5°	3.4	6.8	3.4	3.4	3.4	0.0	0.0	3.4	3.4	3.4	3.4
155°	13.5	10.2	6.8	3.4	3.4	0.0	0.0	0.0	3.4	3.4	3.4
157.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4	3.4
160°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4	3.4
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°	27.1	27.1	6.8	6.8	6.8	6.8	6.8	6.8	6.8	13.5	23.7
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110°	20.3	16.9	10.2	13.5	10.2	10.2	10.2	6.8	6.8	13.5	13.5
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(END OF REPORT)