

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: P560534

Luminaire Tested: **SDL-PA1-50-730-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-730-U-T2R-A
Description: Springdale
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4803.3 lumens
Efficiency: N/A
Efficacy: 91.7 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 - G2

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



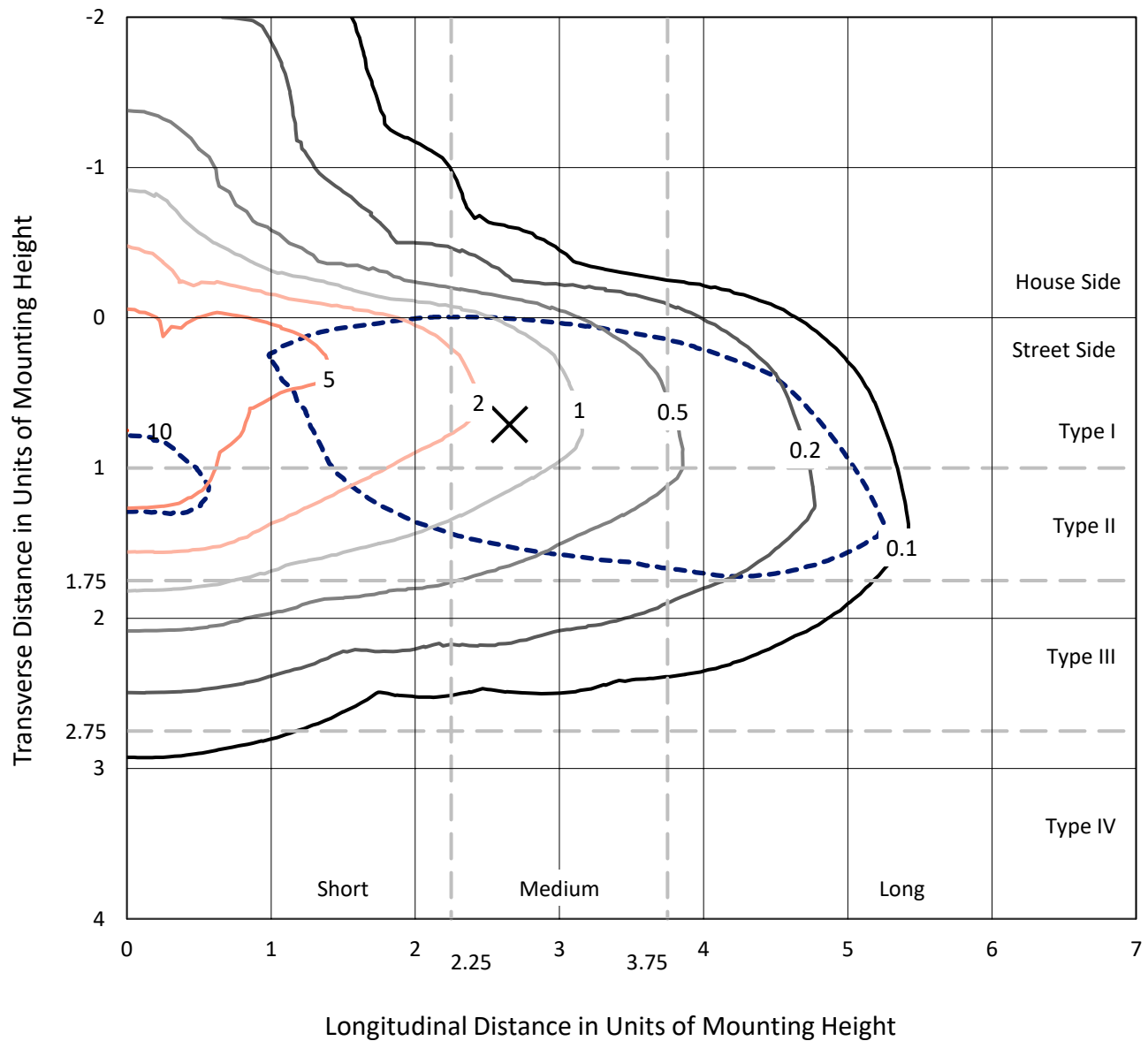
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



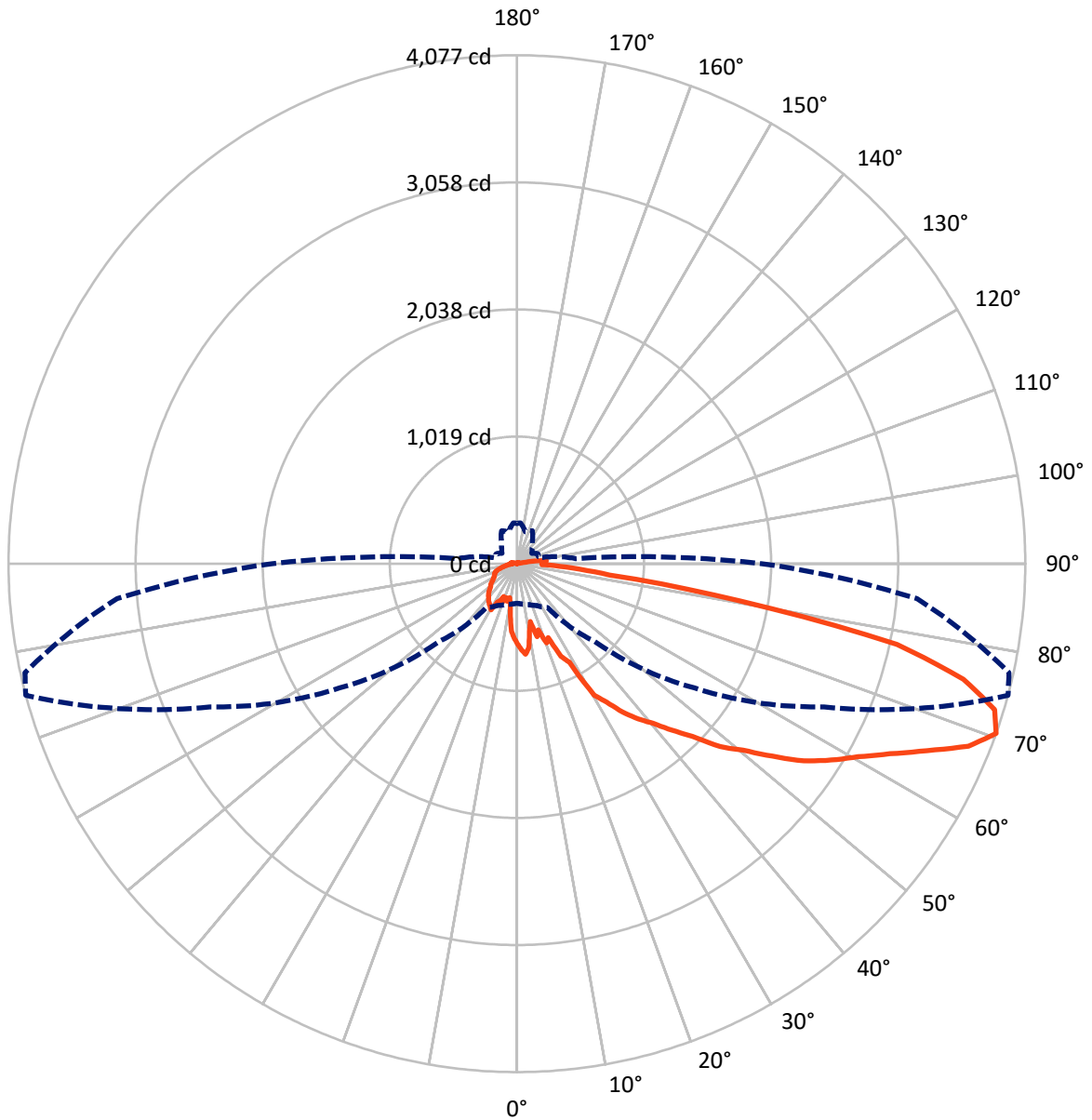
Based on 10 foot mounting height. Maximum calculated value = 10 fc

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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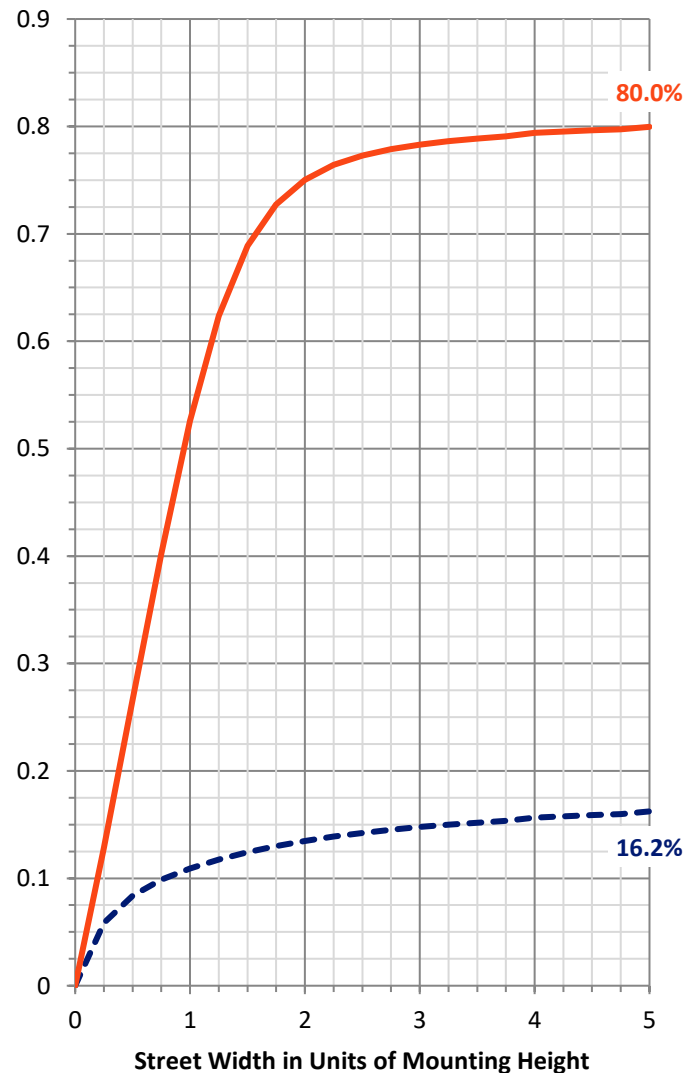
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	821.1	49.1	870.2
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	3870.9	62.2	3933.1
	% Fixture	80.6	1.3	81.9
Total	Lumens	4692.0	111.3	4803.3
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.6	1.1
10°-20°	140.1	2.9
20°-30°	252.9	5.3
30°-40°	516.8	10.8
40°-50°	811.6	16.9
50°-60°	996.6	20.7
60°-70°	991.2	20.6
70°-80°	733.2	15.3
80°-90°	195.9	4.1
90°-100°	72.4	1.5
100°-110°	16.9	0.4
110°-120°	8.0	0.2
120°-130°	7.2	0.1
130°-140°	3.5	0.1
140°-150°	1.7	0.0
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4692.0	97.7
0°-180°	4803.3	100.0



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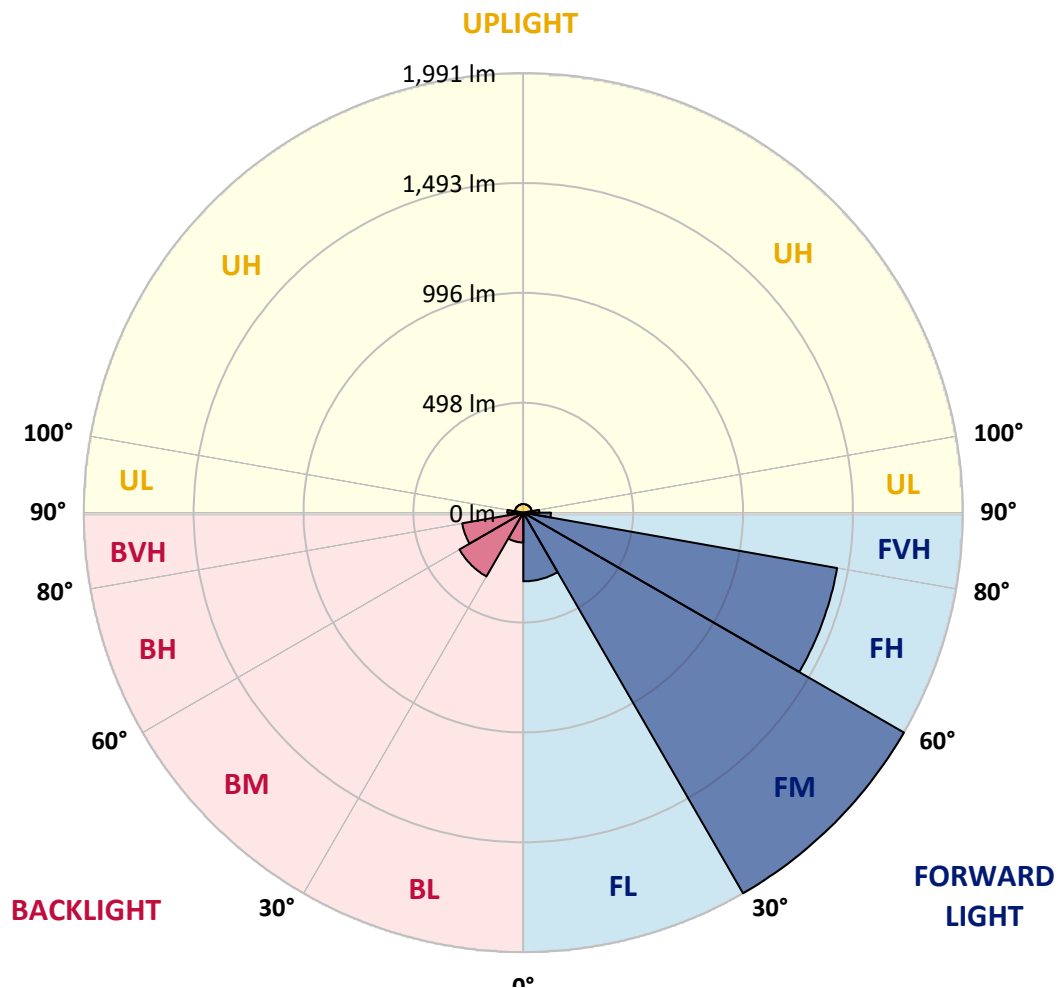
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	311.3	6.5			
FM	(30°-60°)	1991.0	41.5			
FH	(60°-80°)	1443.5	30.1			G1/1800
FVH	(80°-90°)	125.0	2.6			G2/225
BL	(0°-30°)	135.3	2.8	B1/500		
BM	(30°-60°)	334.1	7.0	B1/1000		
BH	(60°-80°)	280.9	5.8	B1/500		G1/500
BVH	(80°-90°)	70.8	1.5			G1/100
UL	(90°-100°)	72.4	1.5		U3/500	
UH	(100°-180°)	38.9	0.8		U2/50	

BUG Rating: B1-U3-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	643.8	643.8	643.8	643.8	643.8	643.8	643.8	643.8	643.8	643.8	643.8
2.5°	668.2	705.8	722.7	741.4	758.3	748.9	733.9	711.4	690.8	683.2	660.7
5°	737.7	733.9	732.0	726.4	717.0	700.1	679.5	760.2	728.3	715.2	677.6
7.5°	649.5	752.7	764.0	775.2	771.5	750.8	724.5	651.3	679.5	662.6	615.7
10°	794.0	794.0	790.2	794.0	750.8	717.0	613.8	570.6	550.0	595.0	551.8
12.5°	675.7	735.8	810.9	825.9	760.2	666.3	623.2	602.5	474.9	469.3	503.0
15°	786.5	795.9	797.7	801.5	647.6	698.3	576.3	535.0	606.3	589.4	595.0
17.5°	632.6	641.9	764.0	756.4	696.4	557.5	673.9	604.4	557.5	536.8	529.3
20°	795.9	797.7	792.1	640.1	672.0	728.3	630.7	611.9	679.5	677.6	649.5
22.5°	677.6	679.5	700.1	771.5	694.5	735.8	634.4	764.0	643.8	645.7	501.2
25°	906.6	908.5	889.7	687.0	780.8	690.8	769.6	687.0	822.1	795.9	733.9
27.5°	951.7	882.2	810.9	852.2	745.2	857.8	732.0	831.5	893.5	887.8	897.2
30°	1206.9	1210.7	1161.9	932.9	872.8	846.5	844.7	987.3	1223.8	1233.2	1077.4
32.5°	1634.9	1612.4	1372.1	1150.6	940.4	1032.4	947.9	1143.1	1323.3	1317.7	1154.4
35°	1830.1	1807.6	1717.5	1420.9	1086.8	1115.0	1069.9	1216.3	1460.3	1417.2	1231.3
37.5°	1995.3	1991.5	1916.5	1565.5	1235.1	1276.4	1143.1	1306.4	1578.6	1533.5	1310.2
40°	2137.9	2124.8	2059.1	1695.0	1387.1	1389.0	1235.1	1415.3	1683.7	1695.0	1387.1
42.5°	2256.2	2244.9	2190.5	1824.5	1477.2	1488.5	1332.7	1526.0	1824.5	1845.1	1507.3
45°	2305.0	2310.6	2273.1	1940.9	1557.9	1578.6	1449.1	1638.7	1974.6	1991.5	1614.3
47.5°	2340.7	2342.5	2333.2	2036.6	1644.3	1653.7	1563.6	1740.0	2192.4	2158.6	1740.0
50°	2260.0	2252.4	2261.8	2109.8	1719.4	1730.6	1659.3	1845.1	2348.2	2305.0	1871.4
52.5°	2047.9	2057.2	2154.8	2072.3	1743.8	1766.3	1749.4	1937.1	2564.0	2530.2	2059.1
55°	1514.8	1556.1	1837.6	1918.3	1741.9	1781.3	1832.0	2111.7	2791.2	2740.5	2218.7
57.5°	1225.7	1225.7	1390.9	1655.5	1646.2	1771.9	1916.5	2229.9	2971.4	2935.7	2378.2
60°	983.6	983.6	1073.7	1313.9	1460.3	1725.0	2002.8	2404.5	3142.2	3121.5	2519.0
62.5°	771.5	769.6	844.7	979.8	1197.6	1621.8	2047.9	2554.7	3356.1	3352.4	2744.2
65°	557.5	565.0	628.8	713.3	940.4	1428.4	2046.0	2689.8	3613.3	3624.6	2997.6
67.5°	412.9	416.7	452.4	514.3	645.7	1184.4	1955.9	2783.6	3904.2	3885.5	3159.1
70°	317.2	322.9	337.9	369.8	429.8	880.3	1738.1	2718.0	4076.9	4041.3	3219.1
72.5°	266.5	268.4	266.5	283.4	287.2	596.9	1392.8	2468.3	4005.6	3949.3	3053.9
75°	227.1	225.2	223.4	227.1	212.1	394.2	998.6	2089.1	3697.8	3600.2	2697.3
77.5°	195.2	193.3	185.8	187.7	168.9	290.9	681.4	1638.7	3115.9	2886.9	2027.2
80°	161.4	161.4	155.8	155.8	142.7	221.5	435.5	1130.0	1815.1	1633.0	1054.9
82.5°	125.8	123.9	123.9	127.6	122.0	172.7	285.3	563.1	748.9	702.0	493.7
85°	67.6	67.6	77.0	86.3	84.5	105.1	217.7	332.2	443.0	428.0	275.9
87.5°	20.6	20.6	22.5	28.2	30.0	56.3	137.0	161.4	200.8	221.5	217.7
90°	22.5	20.6	15.0	16.9	18.8	41.3	127.6	155.8	202.7	225.2	230.9
92.5°	26.3	24.4	15.0	15.0	18.8	33.8	122.0	152.0	221.5	244.0	249.6
95°	28.2	26.3	15.0	15.0	18.8	30.0	108.9	150.2	236.5	266.5	266.5
97.5°	26.3	24.4	11.3	13.1	16.9	26.3	84.5	123.9	165.2	182.1	210.2
100°	22.5	22.5	7.5	11.3	15.0	18.8	48.8	67.6	48.8	46.9	46.9
102.5°	20.6	20.6	7.5	9.4	11.3	13.1	22.5	35.7	11.3	13.1	16.9
105°	20.6	22.5	5.6	7.5	7.5	7.5	11.3	18.8	9.4	11.3	16.9
107.5°	20.6	22.5	5.6	5.6	7.5	5.6	5.6	7.5	9.4	11.3	18.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	13.1	13.1	3.8	5.6	5.6	5.6	3.8	5.6	9.4	13.1	18.8
115°	9.4	7.5	3.8	5.6	3.8	5.6	3.8	5.6	9.4	13.1	16.9
117.5°	7.5	5.6	3.8	3.8	3.8	3.8	1.9	5.6	11.3	15.0	20.6
120°	7.5	7.5	3.8	3.8	3.8	3.8	1.9	5.6	16.9	18.8	26.3
122.5°	7.5	7.5	3.8	3.8	3.8	3.8	1.9	3.8	15.0	20.6	28.2
125°	7.5	7.5	3.8	3.8	3.8	3.8	1.9	3.8	13.1	18.8	24.4
127.5°	7.5	7.5	3.8	1.9	3.8	3.8	3.8	3.8	11.3	15.0	20.6
130°	7.5	7.5	3.8	1.9	3.8	3.8	3.8	3.8	9.4	11.3	16.9
132.5°	5.6	5.6	3.8	1.9	3.8	1.9	1.9	3.8	7.5	9.4	13.1
135°	3.8	3.8	3.8	1.9	3.8	1.9	1.9	1.9	3.8	5.6	9.4
137.5°	1.9	3.8	1.9	1.9	3.8	1.9	1.9	1.9	1.9	1.9	3.8
140°	1.9	1.9	1.9	1.9	3.8	1.9	1.9	1.9	1.9	1.9	1.9
142.5°	1.9	1.9	1.9	1.9	3.8	3.8	1.9	1.9	1.9	1.9	1.9
145°	1.9	1.9	1.9	1.9	5.6	3.8	1.9	1.9	1.9	1.9	1.9
147.5°	1.9	1.9	1.9	7.5	5.6	3.8	1.9	1.9	1.9	1.9	1.9
150°	9.4	9.4	9.4	7.5	5.6	3.8	5.6	1.9	1.9	1.9	1.9
152.5°	9.4	9.4	11.3	5.6	3.8	1.9	1.9	7.5	5.6	3.8	3.8
155°	7.5	5.6	5.6	1.9	1.9	1.9	1.9	1.9	5.6	7.5	7.5
157.5°	1.9	1.9	3.8	1.9	1.9	1.9	1.9	1.9	3.8	1.9	1.9
160°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
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°	643.8	643.8	643.8	643.8	643.8	643.8	643.8	643.8	643.8	643.8	643.8
2.5°	647.6	632.6	596.9	570.6	538.7	510.6	486.2	431.7	422.3	416.7	414.8
5°	647.6	615.7	546.2	461.8	396.1	381.0	373.5	373.5	369.8	371.7	373.5
7.5°	574.4	531.2	426.1	360.4	371.7	371.7	373.5	364.1	334.1	337.9	332.2
10°	503.0	448.6	321.0	292.8	321.0	322.9	366.0	382.9	388.5	390.4	390.4
12.5°	463.6	386.7	277.8	287.2	259.0	296.6	349.1	390.4	354.8	336.0	336.0
15°	533.1	458.0	311.6	251.5	255.3	296.6	264.7	369.8	382.9	386.7	386.7
17.5°	478.6	403.6	285.3	259.0	285.3	244.0	298.4	339.7	324.7	307.8	306.0
20°	574.4	476.8	319.1	253.4	251.5	289.1	264.7	277.8	347.3	349.1	347.3
22.5°	446.7	381.0	283.4	287.2	251.5	275.9	260.9	287.2	274.0	272.2	274.0
25°	619.4	493.7	326.6	247.8	262.8	244.0	262.8	242.1	290.9	294.7	296.6
27.5°	758.3	589.4	347.3	268.4	229.0	249.6	234.6	242.1	225.2	234.6	238.4
30°	902.9	687.0	424.2	296.6	242.1	214.0	217.7	215.9	244.0	242.1	238.4
32.5°	949.8	700.1	405.4	309.7	240.3	215.9	199.0	212.1	232.8	249.6	251.5
35°	996.7	709.5	390.4	296.6	234.6	202.7	195.2	217.7	234.6	236.5	242.1
37.5°	1051.1	717.0	375.4	277.8	217.7	199.0	193.3	202.7	240.3	236.5	230.9
40°	1101.8	720.8	356.6	260.9	199.0	195.2	180.2	202.7	212.1	219.6	223.4
42.5°	1191.9	743.3	341.6	245.9	185.8	185.8	172.7	189.6	217.7	221.5	219.6
45°	1257.6	735.8	321.0	232.8	172.7	165.2	168.9	206.5	219.6	242.1	238.4
47.5°	1351.5	754.6	296.6	212.1	161.4	152.0	159.5	200.8	225.2	242.1	245.9
50°	1443.4	750.8	275.9	195.2	153.9	144.5	176.4	195.2	221.5	249.6	249.6
52.5°	1563.6	756.4	266.5	180.2	144.5	144.5	182.1	197.1	227.1	245.9	245.9
55°	1670.6	735.8	244.0	174.6	142.7	138.9	183.9	204.6	229.0	245.9	247.8
57.5°	1749.4	694.5	227.1	168.9	140.8	142.7	183.9	221.5	214.0	245.9	251.5
60°	1835.7	649.5	212.1	168.9	140.8	148.3	189.6	234.6	234.6	257.2	257.2
62.5°	1954.0	621.3	204.6	170.8	137.0	153.9	206.5	255.3	236.5	272.2	274.0
65°	2053.5	583.8	199.0	178.3	138.9	161.4	215.9	272.2	247.8	289.1	287.2
67.5°	2055.4	527.4	191.5	185.8	140.8	167.1	215.9	283.4	260.9	304.1	298.4
70°	1965.3	471.1	180.2	185.8	146.4	172.7	215.9	290.9	262.8	328.5	322.9
72.5°	1771.9	384.8	163.3	178.3	155.8	180.2	227.1	289.1	262.8	354.8	349.1
75°	1507.3	307.8	140.8	163.3	155.8	189.6	234.6	287.2	253.4	337.9	326.6
77.5°	1146.9	251.5	118.3	142.7	148.3	193.3	234.6	283.4	245.9	315.3	307.8
80°	591.3	176.4	95.7	122.0	138.9	189.6	232.8	268.4	219.6	279.7	275.9
82.5°	324.7	129.5	77.0	90.1	116.4	178.3	225.2	242.1	193.3	229.0	219.6
85°	210.2	93.9	61.9	73.2	97.6	148.3	189.6	191.5	137.0	165.2	155.8
87.5°	157.7	54.4	39.4	45.0	67.6	82.6	120.1	123.9	86.3	101.4	95.7
90°	165.2	54.4	41.3	46.9	60.1	61.9	88.2	93.9	67.6	77.0	77.0
92.5°	176.4	54.4	43.2	48.8	54.4	48.8	69.5	77.0	56.3	61.9	60.1
95°	180.2	52.6	46.9	50.7	48.8	39.4	56.3	61.9	46.9	46.9	46.9
97.5°	131.4	37.5	46.9	50.7	45.0	31.9	43.2	48.8	30.0	24.4	24.4
100°	35.7	18.8	45.0	48.8	39.4	26.3	37.5	37.5	18.8	13.1	13.1
102.5°	15.0	15.0	39.4	43.2	30.0	16.9	26.3	26.3	13.1	5.6	5.6
105°	15.0	11.3	28.2	31.9	20.6	9.4	13.1	15.0	9.4	5.6	5.6
107.5°	15.0	11.3	13.1	16.9	9.4	7.5	7.5	7.5	5.6	5.6	5.6



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CATALOG NUMBER: SDL-PA1-50-730-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.8	13.1	7.5	9.4	7.5	5.6	5.6	5.6	7.5	16.9	16.9
115°	16.9	11.3	7.5	7.5	5.6	5.6	3.8	3.8	7.5	20.6	20.6
117.5°	18.8	13.1	7.5	7.5	5.6	3.8	3.8	3.8	9.4	24.4	24.4
120°	22.5	15.0	7.5	5.6	3.8	3.8	3.8	3.8	11.3	26.3	26.3
122.5°	24.4	16.9	7.5	5.6	3.8	1.9	3.8	5.6	13.1	26.3	26.3
125°	20.6	15.0	7.5	5.6	3.8	1.9	3.8	5.6	13.1	24.4	26.3
127.5°	18.8	13.1	7.5	3.8	3.8	1.9	1.9	5.6	11.3	18.8	22.5
130°	15.0	11.3	5.6	3.8	3.8	1.9	1.9	3.8	11.3	16.9	20.6
132.5°	13.1	9.4	5.6	3.8	3.8	1.9	1.9	3.8	11.3	15.0	15.0
135°	9.4	7.5	3.8	3.8	3.8	1.9	3.8	1.9	7.5	13.1	13.1
137.5°	5.6	3.8	3.8	3.8	3.8	1.9	1.9	1.9	5.6	7.5	7.5
140°	1.9	1.9	3.8	3.8	3.8	1.9	1.9	1.9	3.8	3.8	3.8
142.5°	1.9	1.9	3.8	3.8	3.8	1.9	1.9	1.9	3.8	3.8	3.8
145°	1.9	1.9	1.9	3.8	3.8	1.9	1.9	1.9	1.9	1.9	3.8
147.5°	1.9	1.9	1.9	3.8	1.9	1.9	1.9	1.9	1.9	1.9	3.8
150°	1.9	1.9	1.9	3.8	3.8	1.9	1.9	3.8	3.8	3.8	3.8
152.5°	1.9	1.9	3.8	3.8	1.9	1.9	1.9	3.8	3.8	3.8	3.8
155°	5.6	5.6	3.8	3.8	1.9	1.9	0.0	1.9	3.8	3.8	3.8
157.5°	1.9	1.9	3.8	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
160°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
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



Report Generated By 670245982



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110°		18.8	18.8	3.8	5.6	5.6	5.6	3.8	5.6	9.4	13.1	18.8
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110°	16.9	11.3	7.5	9.4	7.5	5.6	5.6	5.6	5.6	7.5	9.4
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