

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: P560801

Luminaire Tested: **SDL-PA1-60-827-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-827-U-T2R
Description: Springdale
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5458.8 lumens
Efficiency: N/A
Efficacy: 87.5 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 - U0 - G1

Input Watts (W): 62.4
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

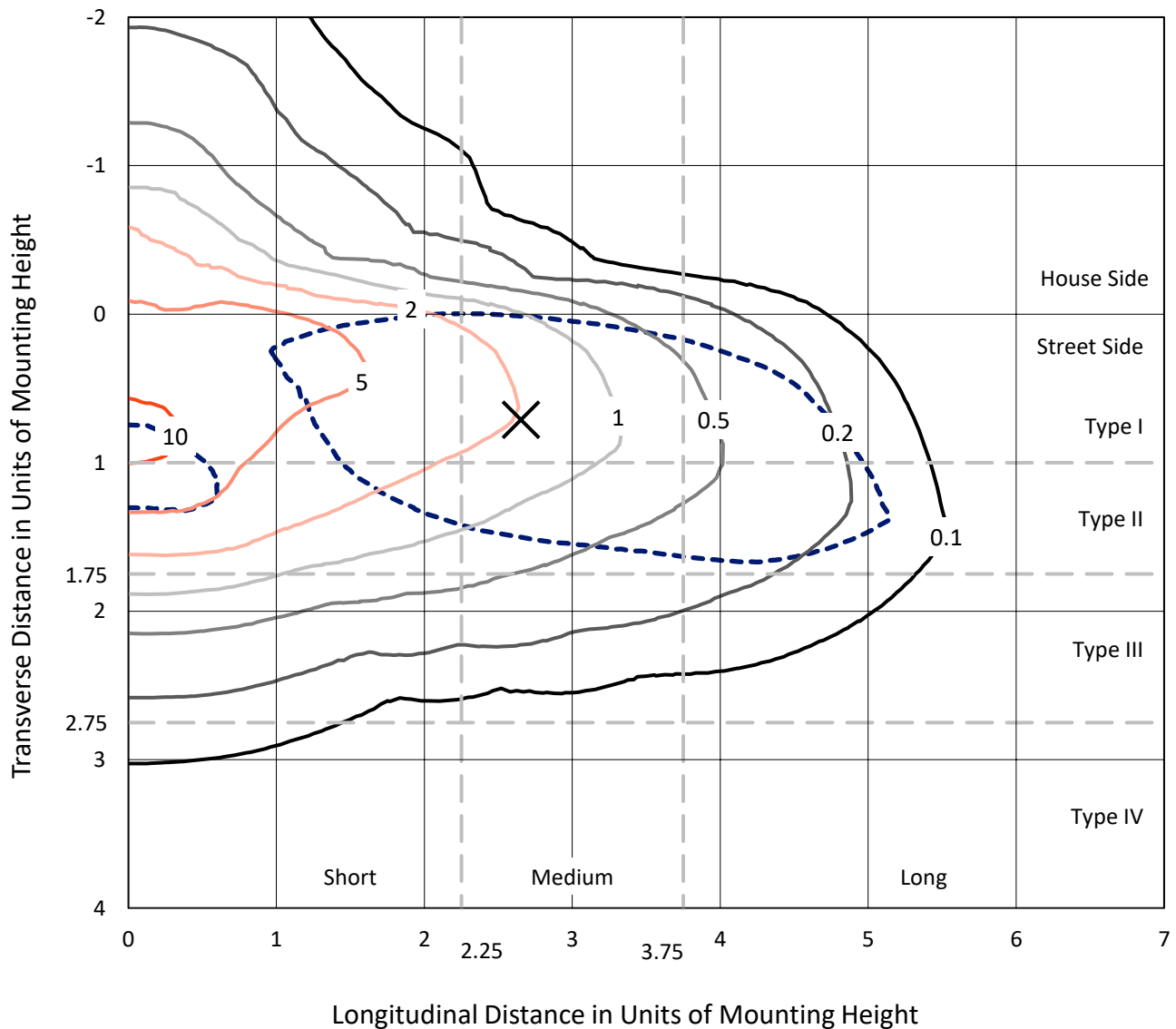


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

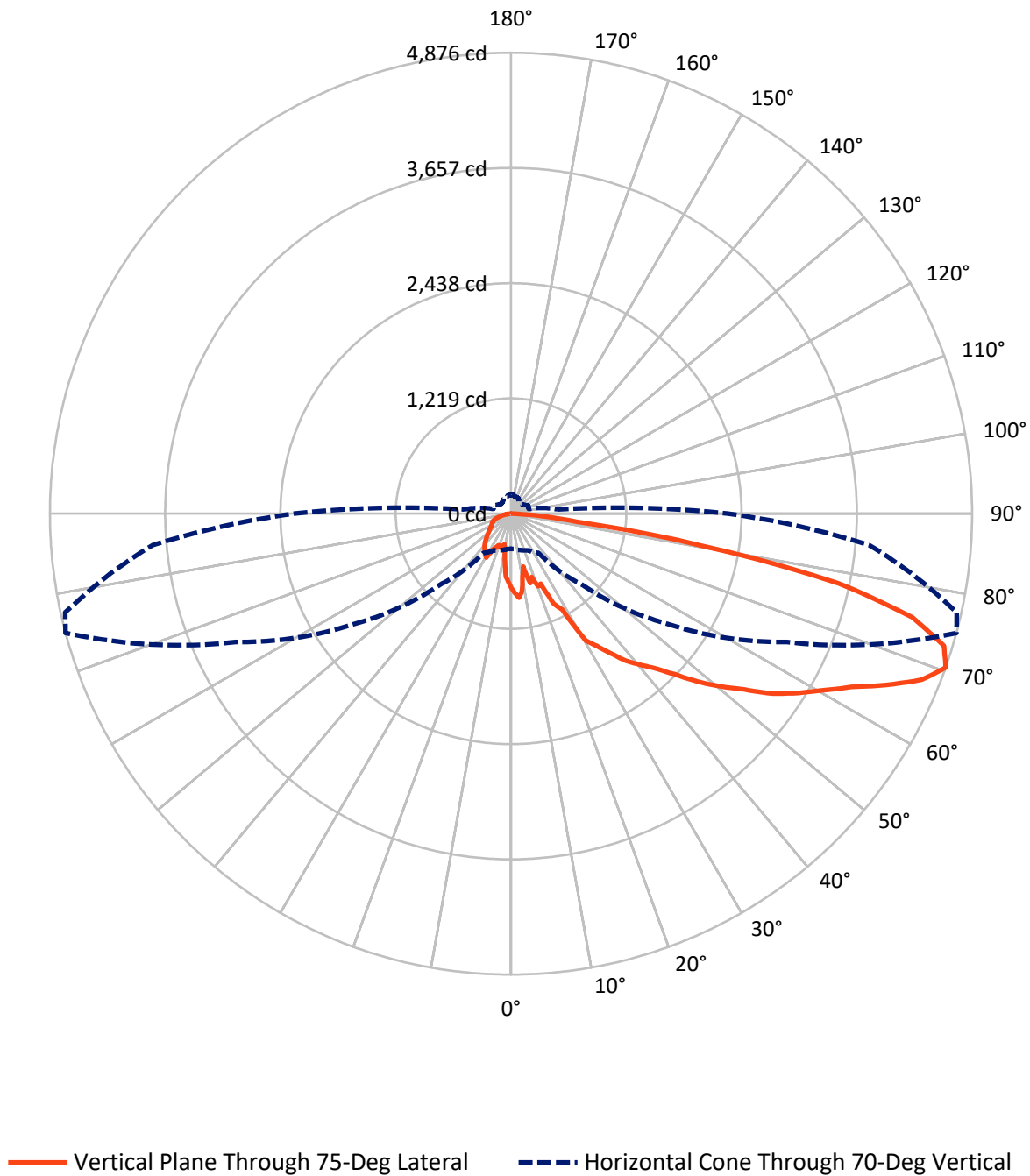


Based on 10 foot mounting height. Maximum calculated value = 12.4 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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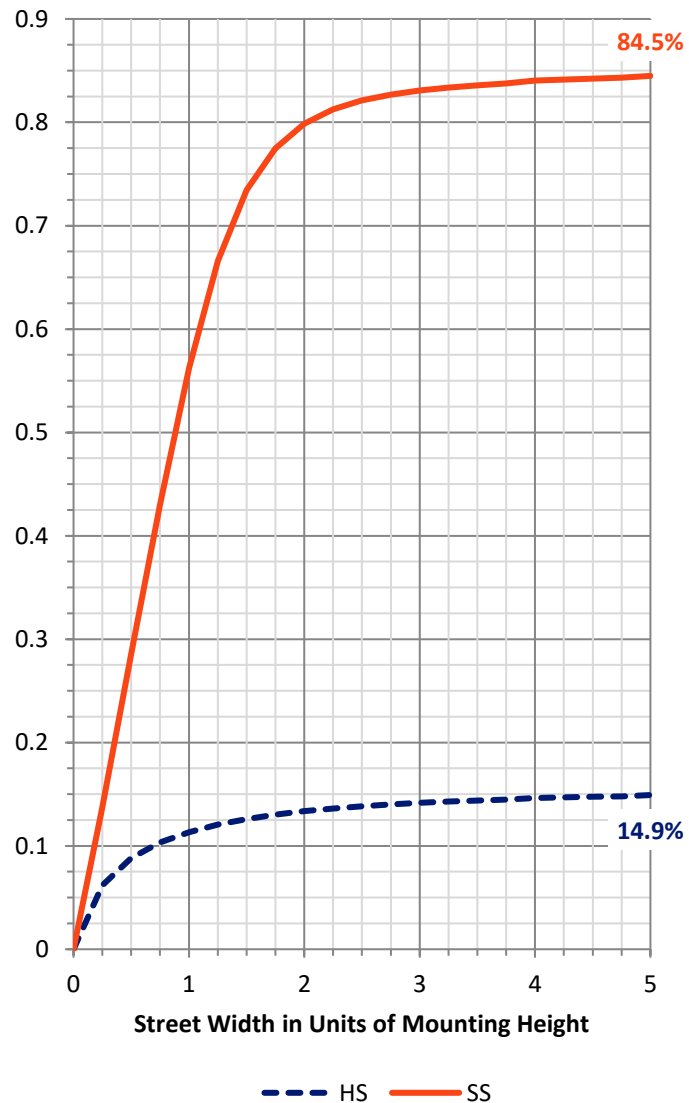
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	830.4	0.0	830.4
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	4628.4	0.0	4628.4
	% Fixture	84.8	0.0	84.8
Total	Lumens	5458.8	0.0	5458.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.2	1.2
10°-20°	173.4	3.2
20°-30°	317.0	5.8
30°-40°	643.6	11.8
40°-50°	987.8	18.1
50°-60°	1190.8	21.8
60°-70°	1151.6	21.1
70°-80°	798.8	14.6
80°-90°	130.4	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5458.8	100.0
0°-180°	5458.8	100.0

Coefficient of Utilization



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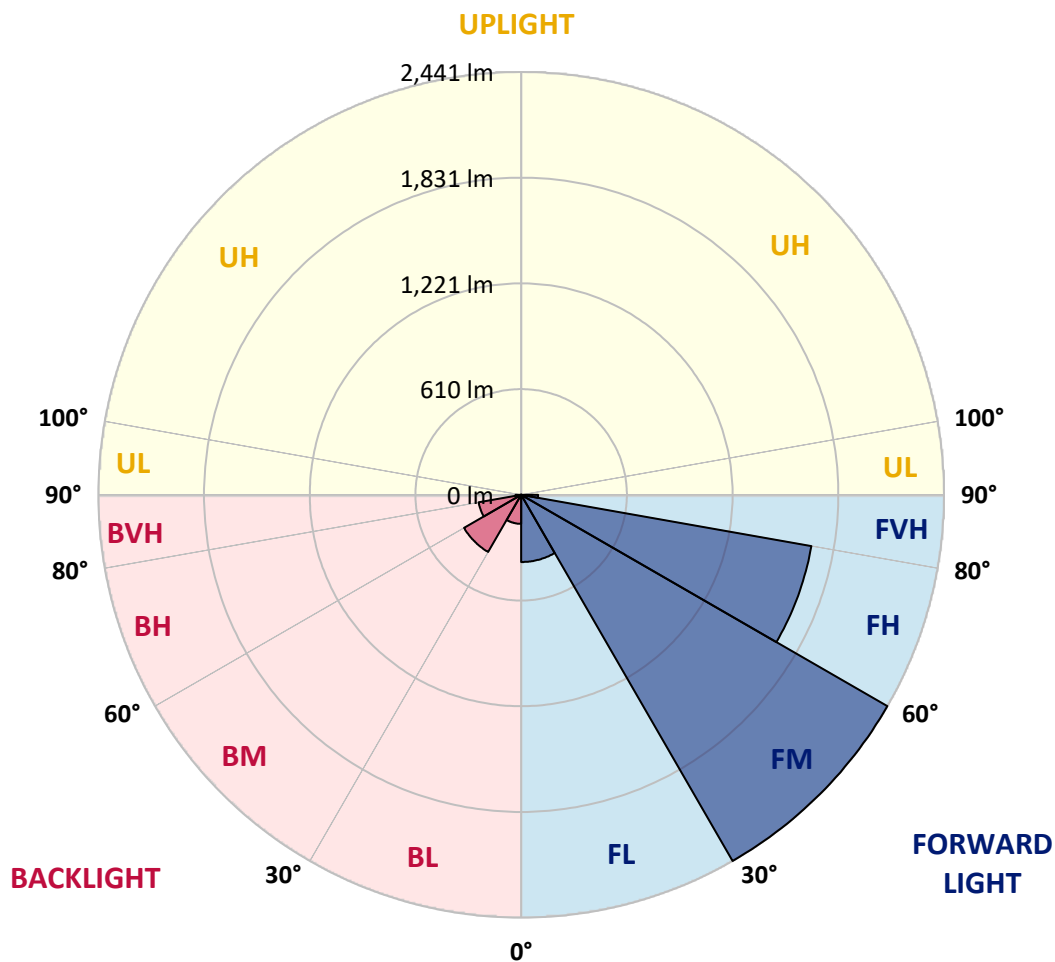
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	388.0	7.1			
FM	(30°-60°)	2441.3	44.7			
FH	(60°-80°)	1701.4	31.2			G1/1800
FVH	(80°-90°)	97.7	1.8			G1/100
BL	(0°-30°)	167.7	3.1	B1/500		
BM	(30°-60°)	380.9	7.0	B1/1000		
BH	(60°-80°)	249.1	4.6	B1/500		G1/500
BVH	(80°-90°)	32.8	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	788.9	788.9	788.9	788.9	788.9	788.9	788.9	788.9	788.9	788.9	788.9
2.5°	819.0	897.3	859.2	903.3	925.4	911.3	899.3	869.2	843.1	833.1	807.0
5°	903.3	901.3	891.3	887.3	869.2	847.1	829.0	929.4	893.3	875.2	829.0
7.5°	800.9	869.2	919.4	945.5	945.5	919.4	891.3	768.8	831.1	815.0	748.8
10°	1005.7	1005.7	1003.7	1005.7	825.0	869.2	746.7	694.6	672.5	724.7	672.5
12.5°	855.1	929.4	1013.7	1043.8	961.5	821.0	764.8	734.7	576.1	564.1	596.2
15°	1005.7	1011.7	1019.7	897.3	762.8	871.2	666.4	660.4	762.8	744.7	752.8
17.5°	807.0	815.0	989.6	967.6	887.3	660.4	831.1	742.7	704.6	680.5	678.5
20°	1017.7	1021.8	1019.7	764.8	819.0	899.3	861.2	654.4	821.0	831.1	841.1
22.5°	861.2	863.2	873.2	973.6	829.0	937.4	776.9	975.6	805.0	829.0	626.3
25°	1158.3	1158.3	1122.1	877.2	1003.7	855.1	945.5	839.1	1055.9	1027.8	941.5
27.5°	1080.0	1071.9	1029.8	1086.0	905.3	1082.0	935.4	1053.9	1146.2	1106.1	1142.2
30°	1517.6	1527.6	1473.4	1128.1	1102.0	1037.8	1078.0	1248.6	1559.7	1537.6	1373.0
32.5°	2031.5	1937.1	1690.2	1461.4	1204.4	1266.7	1204.4	1473.4	1670.1	1674.1	1453.3
35°	2280.4	2272.3	2166.0	1724.3	1385.1	1385.1	1351.0	1537.6	1812.7	1786.6	1539.7
37.5°	2479.1	2467.1	2392.8	1949.2	1547.7	1539.7	1429.2	1636.0	1975.3	1909.0	1634.0
40°	2647.7	2631.7	2567.4	2105.7	1724.3	1686.2	1525.6	1748.4	2101.7	2107.7	1724.3
42.5°	2760.1	2754.1	2707.9	2248.3	1870.9	1802.6	1654.1	1893.0	2236.2	2270.3	1836.7
45°	2848.5	2846.5	2806.3	2404.8	1975.3	1909.0	1790.6	2001.4	2420.9	2441.0	1957.2
47.5°	2858.5	2866.5	2866.5	2483.1	2047.5	2003.4	1931.1	2097.7	2655.8	2613.6	2097.7
50°	2754.1	2762.1	2812.3	2613.6	2109.7	2081.6	2051.5	2214.1	2870.5	2808.3	2246.3
52.5°	2487.1	2505.2	2641.7	2549.4	2141.9	2139.9	2163.9	2364.7	3089.3	3023.1	2443.0
55°	1913.0	1925.1	2264.3	2360.7	2131.8	2153.9	2248.3	2551.4	3360.3	3302.1	2649.7
57.5°	1461.4	1495.5	1708.3	2003.4	2021.4	2141.9	2302.5	2681.9	3579.1	3520.9	2840.4
60°	1176.3	1200.4	1324.9	1583.8	1784.6	2089.7	2376.7	2844.4	3791.9	3763.8	3045.2
62.5°	921.4	937.4	1023.8	1194.4	1449.3	1967.2	2422.9	3021.1	4036.8	4022.8	3312.2
65°	660.4	676.5	752.8	865.2	1120.1	1736.4	2400.8	3189.7	4366.0	4352.0	3571.1
67.5°	481.8	485.8	536.0	612.2	794.9	1405.2	2292.4	3296.1	4687.2	4659.1	3769.8
70°	371.4	375.4	399.5	427.6	507.9	1063.9	2039.5	3215.8	4875.9	4827.7	3800.0
72.5°	301.1	301.1	311.1	325.2	347.3	694.6	1601.9	2900.7	4787.6	4693.2	3549.0
75°	252.9	252.9	259.0	254.9	242.9	433.6	1114.1	2422.9	4384.1	4265.7	3089.3
77.5°	212.8	210.8	210.8	212.8	188.7	295.1	680.5	1866.9	3543.0	3428.6	2290.4
80°	174.6	174.6	174.6	174.6	154.6	210.8	405.5	1238.5	2035.5	1776.5	1049.9
82.5°	128.5	130.5	136.5	136.5	128.5	154.6	210.8	517.9	696.6	616.3	371.4
85°	60.2	62.2	80.3	84.3	82.3	76.3	110.4	232.9	325.2	295.1	86.3
87.5°	2.0	2.0	8.0	18.1	16.1	12.0	22.1	32.1	12.0	14.1	10.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	788.9	788.9	788.9	788.9	788.9	788.9	788.9	788.9	788.9	788.9	788.9
2.5°	788.9	770.8	728.7	692.5	654.4	628.3	570.1	527.9	505.9	501.8	507.9
5°	792.9	752.8	668.5	562.1	481.8	461.7	453.7	451.7	449.7	449.7	449.7
7.5°	698.6	646.4	519.9	441.6	453.7	453.7	453.7	447.6	411.5	395.5	395.5
10°	616.3	548.0	387.4	357.3	359.3	377.4	425.6	475.7	485.8	487.8	489.8
12.5°	534.0	467.7	329.2	347.3	313.2	371.4	439.6	489.8	441.6	417.5	417.5
15°	672.5	578.1	381.4	305.1	309.1	371.4	335.2	453.7	485.8	487.8	489.8
17.5°	606.2	509.9	355.3	321.2	339.2	283.0	383.4	429.6	395.5	391.4	387.4
20°	736.7	606.2	371.4	319.2	317.2	343.3	325.2	325.2	441.6	441.6	441.6
22.5°	546.0	449.7	361.3	359.3	303.1	339.2	323.2	361.3	347.3	341.3	341.3
25°	800.9	634.3	395.5	315.2	325.2	299.1	333.2	297.1	367.3	371.4	371.4
27.5°	961.5	744.7	429.6	349.3	299.1	321.2	275.0	299.1	283.0	285.0	285.0
30°	1146.2	873.2	534.0	365.3	307.1	265.0	273.0	259.0	307.1	301.1	299.1
32.5°	1196.4	881.2	513.9	387.4	299.1	267.0	246.9	267.0	285.0	311.1	311.1
35°	1254.6	889.3	485.8	369.4	293.1	248.9	244.9	267.0	289.1	281.0	281.0
37.5°	1308.8	895.3	463.7	347.3	269.0	242.9	242.9	246.9	269.0	256.9	256.9
40°	1371.0	897.3	437.6	323.2	248.9	238.9	224.8	228.8	230.8	222.8	220.8
42.5°	1441.3	895.3	407.5	301.1	230.8	222.8	212.8	212.8	218.8	216.8	214.8
45°	1517.6	893.3	375.4	275.0	210.8	200.7	194.7	218.8	228.8	228.8	224.8
47.5°	1609.9	893.3	345.3	244.9	196.7	180.7	176.6	202.7	222.8	226.8	230.8
50°	1716.3	889.3	317.2	222.8	182.7	168.6	174.6	200.7	216.8	222.8	220.8
52.5°	1854.8	881.2	293.1	204.8	172.6	154.6	164.6	194.7	214.8	216.8	214.8
55°	1975.3	853.1	269.0	196.7	164.6	146.5	158.6	192.7	210.8	210.8	210.8
57.5°	2077.6	813.0	248.9	190.7	162.6	144.5	156.6	190.7	202.7	208.8	208.8
60°	2202.1	762.8	234.9	188.7	160.6	142.5	154.6	188.7	198.7	206.8	206.8
62.5°	2330.6	720.6	226.8	188.7	154.6	144.5	154.6	188.7	196.7	206.8	204.8
65°	2434.9	666.4	218.8	192.7	152.6	144.5	154.6	188.7	194.7	204.8	204.8
67.5°	2428.9	592.2	208.8	202.7	154.6	146.5	154.6	186.7	190.7	204.8	200.7
70°	2292.4	505.9	192.7	200.7	160.6	146.5	152.6	180.7	182.7	200.7	194.7
72.5°	2045.5	409.5	170.6	188.7	160.6	148.5	148.5	172.6	172.6	192.7	180.7
75°	1712.3	315.2	140.5	166.6	152.6	152.6	140.5	162.6	158.6	170.6	158.6
77.5°	1276.7	238.9	108.4	138.5	138.5	150.6	134.5	150.6	144.5	146.5	140.5
80°	532.0	144.5	82.3	108.4	118.4	146.5	128.5	136.5	122.4	122.4	118.4
82.5°	220.8	92.3	56.2	68.3	80.3	130.5	122.4	116.4	100.4	92.3	86.3
85°	80.3	50.2	38.1	46.2	52.2	90.3	88.3	74.3	58.2	64.2	52.2
87.5°	6.0	8.0	8.0	10.0	10.0	12.0	20.1	20.1	12.0	10.0	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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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CATALOG NUMBER: SDL-PA1-60-827-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)