

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: P561184

Luminaire Tested: **SDL-PA1-80-830-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561184
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-830-U-T4W-A
Description: Springdale
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6839.2 lumens
Efficiency: N/A
Efficacy: 83.4 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: B2 - 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

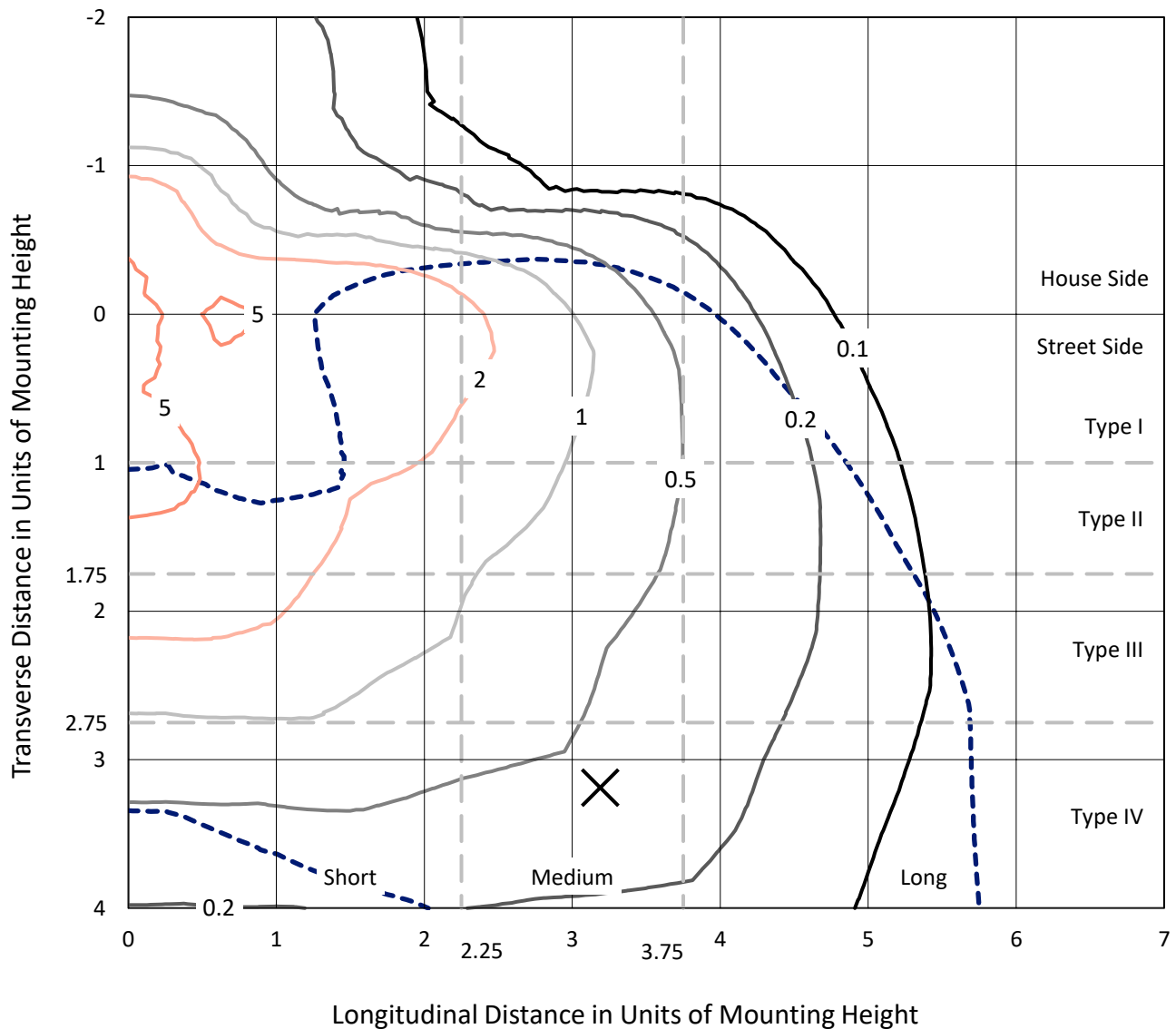


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

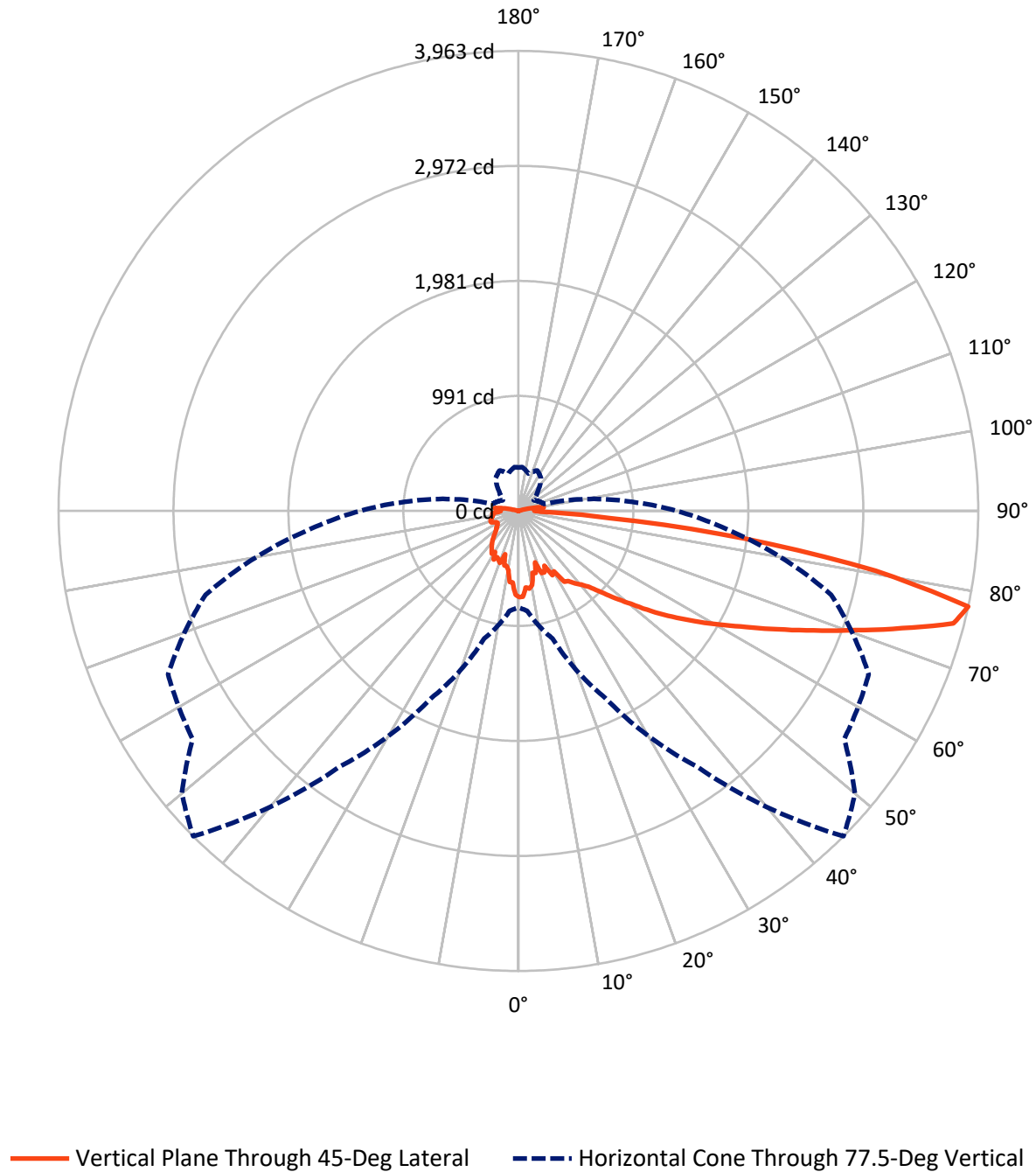


Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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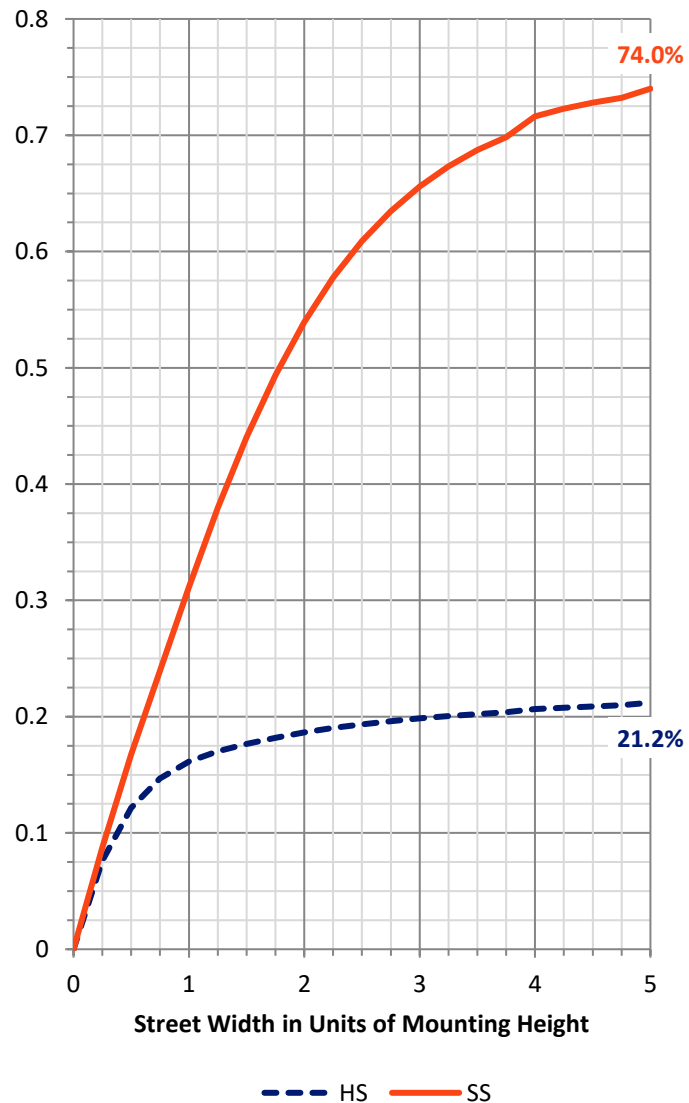
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1530.8	114.2	1645.0
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	5101.9	92.4	5194.2
	% Fixture	74.6	1.4	75.9
Total	Lumens	6632.6	206.6	6839.2
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.7	0.9
10°-20°	152.9	2.2
20°-30°	264.5	3.9
30°-40°	468.6	6.9
40°-50°	726.5	10.6
50°-60°	1169.5	17.1
60°-70°	1719.9	25.1
70°-80°	1656.0	24.2
80°-90°	413.0	6.0
90°-100°	154.0	2.3
100°-110°	34.1	0.5
110°-120°	7.4	0.1
120°-130°	6.1	0.1
130°-140°	2.7	0.0
140°-150°	1.1	0.0
150°-160°	1.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6632.6	97.0
0°-180°	6839.2	100.0

Coefficient of Utilization



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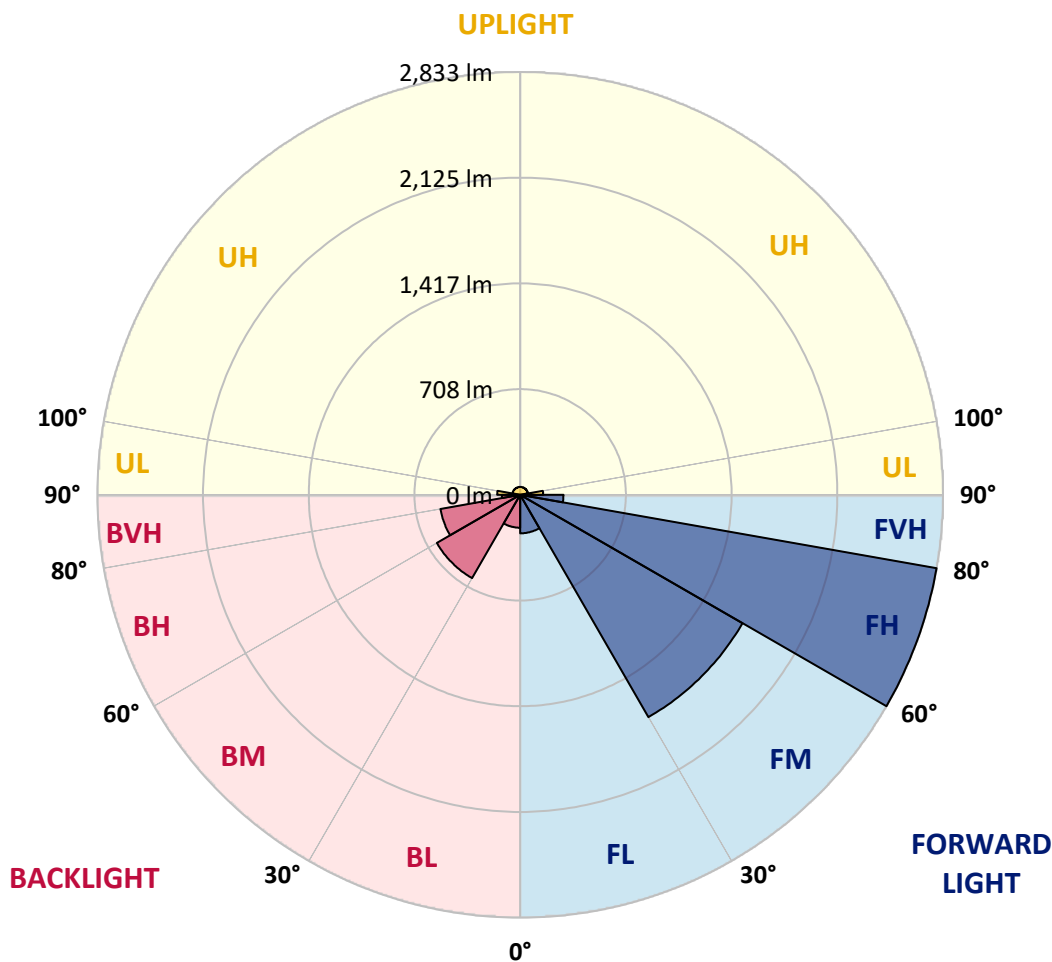
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	258.2	3.8			
FM	(30°-60°)	1720.1	25.2			
FH	(60°-80°)	2833.5	41.4			G2/5000
FVH	(80°-90°)	290.1	4.2			G3/500
BL	(0°-30°)	220.9	3.2	B1/500		
BM	(30°-60°)	644.5	9.4	B1/1000		
BH	(60°-80°)	542.4	7.9	B2/1000		G2/1000
BVH	(80°-90°)	122.9	1.8			G2/225
UL	(90°-100°)	154.0	2.3		U3/500	
UH	(100°-180°)	52.6	0.8		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	742.5	742.5	742.5	742.5	742.5	742.5	742.5	742.5	742.5	742.5	742.5
2.5°	675.2	739.8	729.0	737.1	737.1	739.8	742.5	742.5	745.2	742.5	742.5
5°	688.7	686.0	680.6	675.2	669.8	661.8	661.8	661.8	726.3	731.7	726.3
7.5°	642.9	699.4	694.0	683.3	683.3	675.2	664.5	653.7	634.9	629.5	637.6
10°	726.3	723.6	715.6	699.4	640.2	651.0	583.7	527.3	505.7	519.2	554.2
12.5°	645.6	691.4	710.2	710.2	634.9	546.1	486.9	519.2	500.4	446.6	486.9
15°	761.3	755.9	734.4	699.4	556.8	554.2	521.9	457.3	465.4	505.7	543.4
17.5°	651.0	651.0	729.0	667.1	573.0	465.4	462.7	513.8	470.8	449.2	470.8
20°	785.5	782.8	758.6	554.2	578.4	570.3	470.8	524.6	449.2	516.5	564.9
22.5°	667.1	661.8	699.4	664.5	551.5	575.7	441.2	497.7	535.3	473.5	438.5
25°	785.5	790.9	780.1	591.8	626.8	521.9	532.6	567.6	492.3	599.9	624.1
27.5°	691.4	691.4	661.8	661.8	581.1	626.8	500.4	532.6	586.4	648.3	761.3
30°	847.4	850.1	831.2	637.6	642.9	602.6	581.1	618.7	704.8	842.0	893.1
32.5°	1035.7	1035.7	890.4	761.3	645.6	726.3	613.3	675.2	799.0	868.9	936.2
35°	1154.0	1140.6	1076.0	855.4	696.7	742.5	694.0	718.3	828.5	930.8	979.2
37.5°	1323.5	1318.1	1253.6	938.8	747.8	790.9	720.9	747.8	882.3	976.5	1033.0
40°	1557.6	1530.7	1474.2	1084.1	809.7	833.9	753.2	785.5	946.9	1035.7	1102.9
42.5°	1743.2	1748.6	1708.2	1256.3	911.9	895.8	809.7	833.9	1016.9	1127.1	1202.5
45°	1915.3	1910.0	1918.0	1463.4	1038.4	995.3	909.3	911.9	1105.6	1240.1	1342.4
47.5°	2033.7	2031.0	2049.8	1657.1	1199.8	1121.8	1019.5	1008.8	1207.9	1433.8	1533.4
50°	2176.3	2168.2	2157.5	1864.2	1382.7	1259.0	1164.8	1127.1	1339.7	1651.7	1775.5
52.5°	2351.1	2332.3	2297.3	2025.6	1584.5	1433.8	1328.9	1277.8	1517.2	1896.5	2055.2
55°	2517.9	2491.0	2461.4	2205.9	1770.1	1608.7	1495.7	1466.1	1748.6	2149.4	2353.8
57.5°	2682.0	2668.6	2644.4	2445.3	2006.8	1791.6	1665.2	1659.8	2017.6	2394.2	2673.9
60°	2835.4	2813.8	2846.1	2703.5	2227.4	1985.3	1850.8	1891.1	2313.5	2639.0	3029.0
62.5°	2929.5	2921.4	2991.4	2940.3	2431.8	2200.5	2063.3	2133.2	2598.6	2878.4	3343.8
65°	2789.6	2811.1	3088.2	3088.2	2668.6	2456.1	2321.5	2364.6	2867.6	3120.5	3631.6
67.5°	2534.1	2563.7	2940.3	3171.6	2881.1	2743.9	2604.0	2628.2	3107.1	3316.9	3865.7
70°	2316.2	2337.7	2687.4	3177.0	3015.6	3077.5	2875.7	2854.2	3292.7	3481.0	3951.7
72.5°	2125.2	2154.8	2442.6	3144.7	3147.4	3456.8	3198.5	3069.4	3462.1	3542.8	3677.4
75°	1684.0	1670.5	1996.0	2765.4	3190.4	3871.0	3577.8	3308.8	3545.5	3330.3	2883.8
77.5°	828.5	863.5	1137.9	1780.8	2692.8	3962.5	3785.0	3427.2	3330.3	2789.6	1799.7
80°	244.8	252.9	317.4	637.6	1546.8	3120.5	3125.9	2835.4	2504.5	1630.2	812.4
82.5°	137.2	139.9	182.9	277.1	634.9	1977.2	2057.9	1702.8	1108.3	602.6	406.2
85°	72.6	75.3	94.2	145.3	322.8	788.2	836.6	651.0	535.3	392.8	298.6
87.5°	35.0	35.0	32.3	48.4	118.4	191.0	212.5	242.1	215.2	201.8	247.5
90°	29.6	29.6	24.2	26.9	64.6	137.2	166.8	185.6	169.5	185.6	271.7
92.5°	32.3	32.3	24.2	26.9	69.9	153.3	182.9	207.1	180.2	199.1	301.3
95°	29.6	32.3	21.5	24.2	69.9	188.3	220.6	226.0	185.6	217.9	322.8
97.5°	24.2	24.2	16.1	18.8	61.9	220.6	242.1	234.0	164.1	166.8	258.2
100°	18.8	18.8	10.8	16.1	43.0	177.5	207.1	196.4	107.6	26.9	64.6
102.5°	16.1	16.1	8.1	13.5	18.8	86.1	110.3	107.6	64.6	16.1	13.5
105°	16.1	16.1	8.1	10.8	10.8	24.2	37.7	48.4	26.9	8.1	13.5
107.5°	16.1	16.1	8.1	5.4	5.4	10.8	13.5	13.5	13.5	8.1	16.1
110°	18.8	18.8	5.4	5.4	5.4	5.4	5.4	5.4	5.4	8.1	16.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	16.1	16.1	5.4	5.4	2.7	5.4	5.4	5.4	5.4	8.1	16.1
115°	13.5	13.5	2.7	5.4	2.7	2.7	5.4	2.7	5.4	5.4	13.5
117.5°	13.5	10.8	2.7	2.7	2.7	2.7	2.7	2.7	5.4	8.1	16.1
120°	13.5	13.5	5.4	2.7	2.7	2.7	2.7	2.7	5.4	10.8	18.8
122.5°	13.5	13.5	5.4	2.7	0.0	2.7	2.7	2.7	5.4	10.8	21.5
125°	16.1	13.5	5.4	2.7	0.0	0.0	2.7	2.7	2.7	10.8	18.8
127.5°	13.5	10.8	5.4	2.7	0.0	0.0	2.7	2.7	2.7	8.1	16.1
130°	13.5	10.8	5.4	0.0	0.0	0.0	2.7	2.7	2.7	8.1	13.5
132.5°	10.8	8.1	5.4	0.0	0.0	0.0	2.7	2.7	2.7	5.4	10.8
135°	8.1	8.1	2.7	0.0	2.7	0.0	2.7	2.7	2.7	2.7	8.1
137.5°	5.4	5.4	2.7	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
140°	2.7	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
142.5°	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7
145°	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	2.7	0.0	0.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	8.1	8.1	8.1	5.4	2.7	2.7	2.7	5.4	2.7	2.7	2.7
152.5°	8.1	8.1	8.1	5.4	0.0	0.0	2.7	2.7	5.4	2.7	2.7
155°	5.4	5.4	5.4	0.0	0.0	0.0	2.7	2.7	2.7	5.4	5.4
157.5°	2.7	2.7	2.7	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
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°	742.5	742.5	742.5	742.5	742.5	742.5	742.5	742.5	742.5	742.5	742.5
2.5°	739.8	737.1	734.4	731.7	726.3	720.9	707.5	651.0	651.0	653.7	653.7
5°	726.3	723.6	715.6	664.5	634.9	618.7	624.1	624.1	624.1	626.8	632.2
7.5°	634.9	632.2	594.5	591.8	602.6	616.0	624.1	610.7	583.7	583.7	583.7
10°	554.2	551.5	484.2	470.8	484.2	516.5	599.9	616.0	626.8	629.5	634.9
12.5°	484.2	476.1	417.0	460.0	430.4	484.2	559.5	621.4	564.9	554.2	554.2
15°	538.0	535.3	465.4	403.5	406.2	484.2	443.9	583.7	616.0	621.4	624.1
17.5°	470.8	465.4	427.7	425.0	449.2	390.1	492.3	556.8	529.9	538.0	538.0
20°	562.2	559.5	489.6	406.2	400.8	476.1	435.8	505.7	602.6	621.4	624.1
22.5°	435.8	435.8	449.2	476.1	433.1	454.6	465.4	535.3	516.5	527.3	559.5
25°	618.7	613.3	543.4	427.7	465.4	438.5	486.9	508.4	597.2	618.7	624.1
27.5°	750.5	737.1	583.7	481.5	419.7	470.8	468.1	492.3	505.7	589.1	599.9
30°	885.0	871.6	750.5	540.7	435.8	406.2	446.6	527.3	608.0	621.4	632.2
32.5°	933.5	922.7	766.7	573.0	438.5	433.1	443.9	527.3	667.1	720.9	731.7
35°	984.6	971.1	782.8	559.5	427.7	403.5	419.7	543.4	664.5	699.4	707.5
37.5°	1046.4	1022.2	801.6	532.6	398.1	382.0	400.8	495.0	632.2	667.1	672.5
40°	1124.5	1100.2	825.9	503.0	368.5	355.1	365.9	460.0	554.2	583.7	597.2
42.5°	1242.8	1197.1	836.6	478.8	341.6	328.2	339.0	414.3	486.9	505.7	513.8
45°	1396.2	1315.5	852.8	446.6	317.4	298.6	314.7	379.3	414.3	414.3	414.3
47.5°	1584.5	1455.3	860.8	419.7	287.8	271.7	287.8	344.3	363.2	352.4	349.7
50°	1815.8	1632.9	901.2	387.4	263.6	250.2	277.1	304.0	312.1	317.4	317.4
52.5°	2087.5	1837.3	925.4	355.1	247.5	239.4	266.3	285.1	287.8	293.2	293.2
55°	2383.4	2060.6	938.8	325.5	236.7	226.0	255.6	274.4	274.4	279.8	279.8
57.5°	2690.1	2318.9	973.8	304.0	226.0	215.2	244.8	277.1	266.3	277.1	279.8
60°	3012.9	2558.3	944.2	282.5	209.8	207.1	247.5	295.9	293.2	306.7	309.4
62.5°	3316.9	2749.3	812.4	263.6	199.1	209.8	277.1	333.6	325.5	347.0	347.0
65°	3489.0	2813.8	597.2	252.9	191.0	226.0	306.7	371.2	344.3	355.1	349.7
67.5°	3526.7	2749.3	430.4	239.4	188.3	252.9	328.2	379.3	341.6	352.4	352.4
70°	3437.9	2598.6	347.0	228.7	185.6	255.6	333.6	379.3	344.3	368.5	363.2
72.5°	3037.1	2211.3	295.9	217.9	185.6	250.2	341.6	382.0	352.4	392.8	384.7
75°	2289.3	1654.4	260.9	207.1	174.9	242.1	347.0	384.7	341.6	384.7	379.3
77.5°	1361.2	944.2	231.3	193.7	161.4	234.0	341.6	384.7	333.6	379.3	373.9
80°	575.7	443.9	196.4	169.5	148.0	223.3	336.3	382.0	320.1	368.5	360.5
82.5°	363.2	301.3	166.8	139.9	145.3	220.6	339.0	376.6	314.7	371.2	344.3
85°	293.2	247.5	142.6	118.4	134.5	226.0	325.5	341.6	271.7	320.1	312.1
87.5°	247.5	207.1	64.6	51.1	99.5	174.9	247.5	255.6	196.4	250.2	239.4
90°	271.7	226.0	61.9	43.0	88.8	153.3	228.7	223.3	188.3	239.4	236.7
92.5°	295.9	239.4	59.2	45.7	99.5	166.8	250.2	226.0	199.1	242.1	239.4
95°	306.7	244.8	56.5	48.4	118.4	182.9	266.3	220.6	209.8	223.3	220.6
97.5°	231.3	177.5	53.8	51.1	123.7	207.1	250.2	185.6	137.2	137.2	134.5
100°	59.2	59.2	48.4	48.4	83.4	150.6	191.0	137.2	78.0	59.2	61.9
102.5°	16.1	18.8	43.0	45.7	45.7	67.3	107.6	88.8	51.1	8.1	8.1
105°	16.1	16.1	29.6	35.0	24.2	21.5	43.0	48.4	37.7	5.4	8.1
107.5°	16.1	16.1	13.5	18.8	8.1	10.8	10.8	13.5	13.5	5.4	5.4
110°	18.8	16.1	8.1	8.1	5.4	5.4	5.4	5.4	5.4	10.8	10.8



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CATALOG NUMBER: SDL-PA1-80-830-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.8	16.1	8.1	5.4	5.4	5.4	5.4	5.4	5.4	13.5	13.5
115°	16.1	13.5	8.1	5.4	5.4	5.4	5.4	2.7	5.4	16.1	16.1
117.5°	18.8	16.1	8.1	5.4	2.7	5.4	5.4	2.7	5.4	18.8	18.8
120°	21.5	18.8	8.1	5.4	2.7	2.7	2.7	2.7	8.1	18.8	18.8
122.5°	21.5	21.5	10.8	2.7	2.7	2.7	2.7	2.7	8.1	18.8	18.8
125°	21.5	18.8	8.1	2.7	2.7	2.7	0.0	2.7	8.1	18.8	21.5
127.5°	16.1	16.1	8.1	2.7	2.7	2.7	0.0	2.7	8.1	16.1	18.8
130°	13.5	13.5	5.4	2.7	2.7	2.7	0.0	2.7	8.1	16.1	16.1
132.5°	10.8	10.8	5.4	2.7	2.7	0.0	0.0	0.0	8.1	13.5	13.5
135°	8.1	8.1	2.7	2.7	2.7	0.0	0.0	0.0	5.4	10.8	10.8
137.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	2.7	5.4	5.4
140°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7
142.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7
145°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	2.7
147.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7
150°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	2.7	5.4	2.7	5.4
152.5°	2.7	2.7	2.7	2.7	2.7	0.0	0.0	2.7	5.4	5.4	5.4
155°	5.4	5.4	5.4	2.7	2.7	0.0	0.0	0.0	2.7	5.4	5.4
157.5°	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.7	2.7	2.7	2.7	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)