

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: P560524

Luminaire Tested: **SDL-PA1-50-727-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560524
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-PA1-50-727-U-T4W-A
Description: Springdale
(1) 70 CRI, 2700K, 670mA 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: 4963.5 lumens
Efficiency: N/A
Efficacy: 94.7 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 - 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

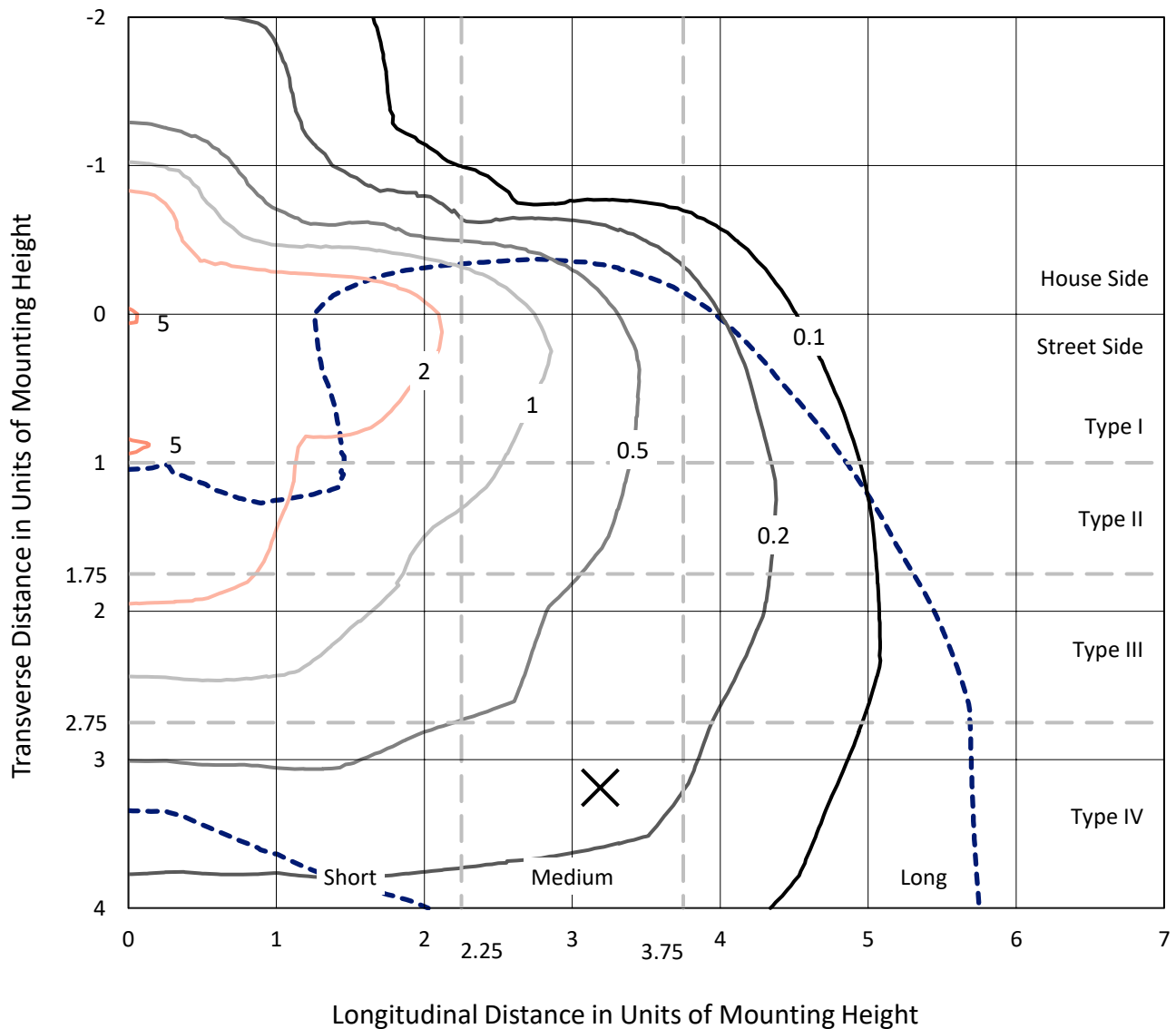


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

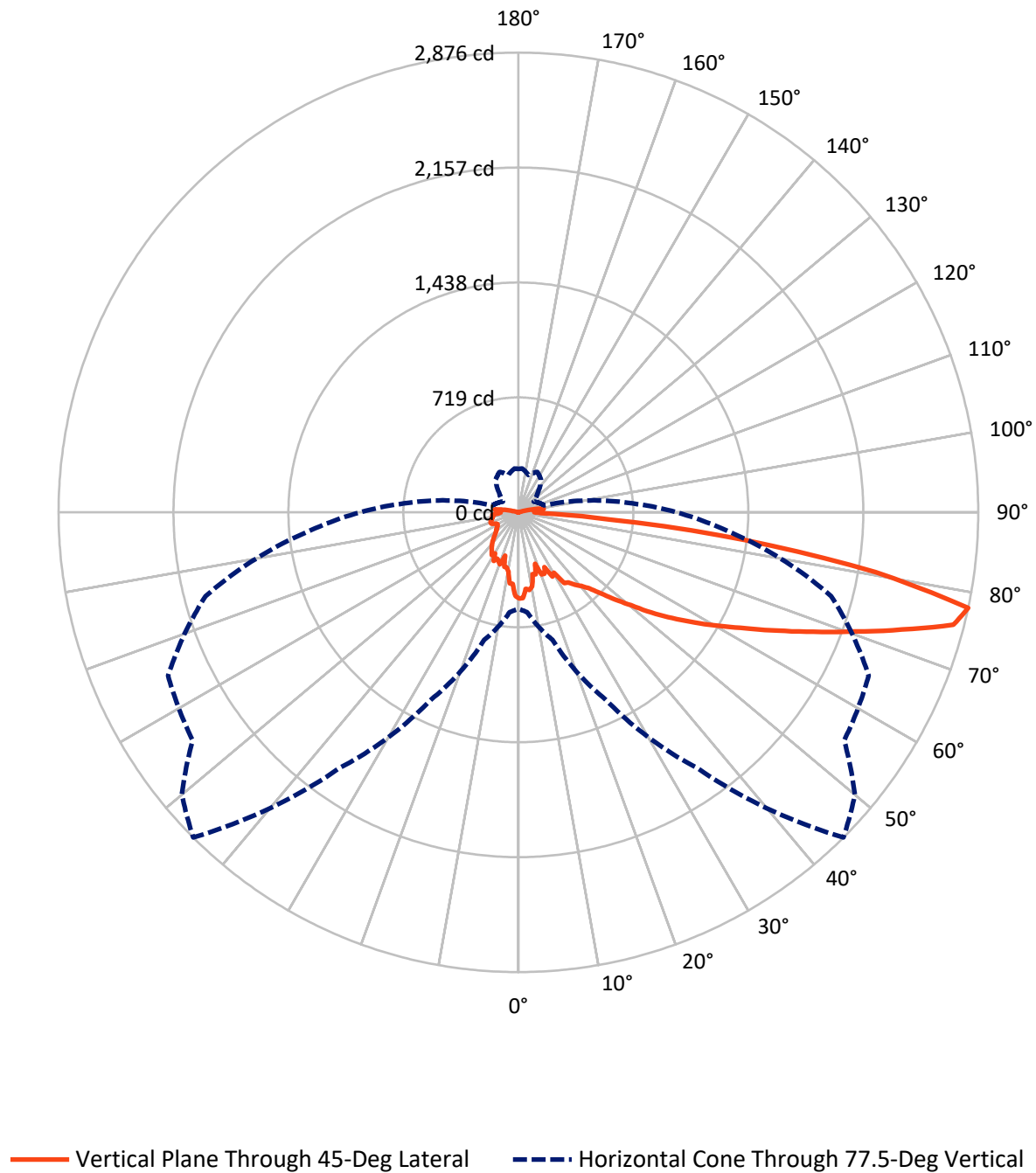


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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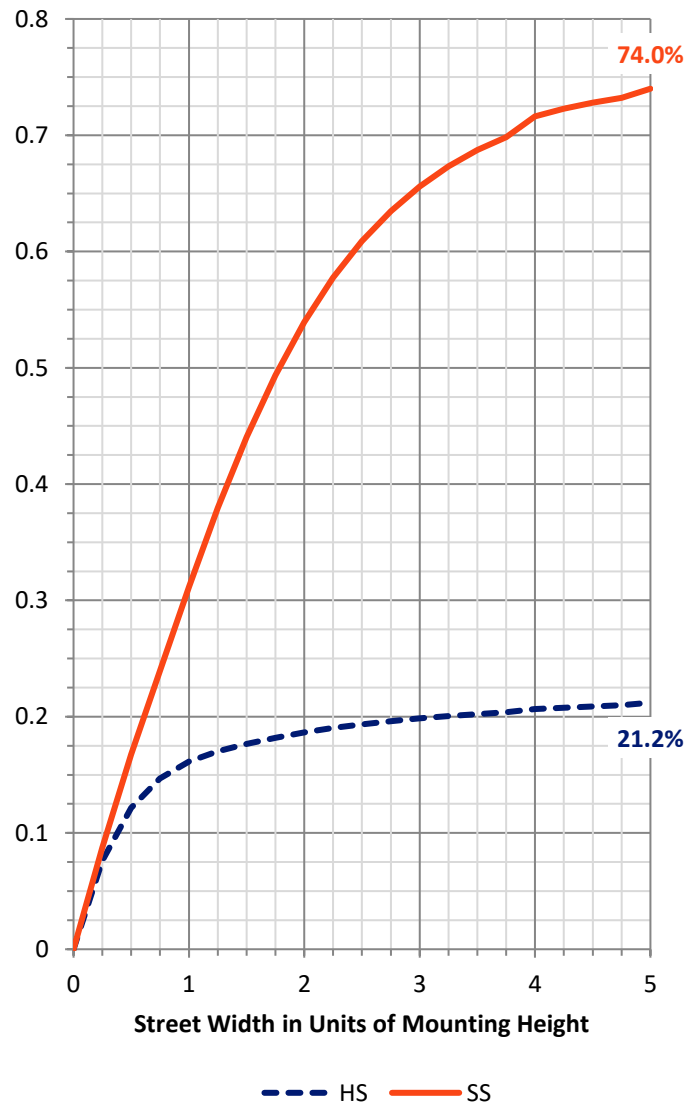
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1110.9	82.9	1193.8
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	3702.6	67.1	3769.7
	% Fixture	74.6	1.4	75.9
Total	Lumens	4813.5	150.0	4963.5
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.8	0.9
10°-20°	111.0	2.2
20°-30°	192.0	3.9
30°-40°	340.1	6.9
40°-50°	527.2	10.6
50°-60°	848.8	17.1
60°-70°	1248.2	25.1
70°-80°	1201.8	24.2
80°-90°	299.7	6.0
90°-100°	111.8	2.3
100°-110°	24.7	0.5
110°-120°	5.3	0.1
120°-130°	4.5	0.1
130°-140°	1.9	0.0
140°-150°	0.8	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4813.5	97.0
0°-180°	4963.5	100.0

Coefficient of Utilization



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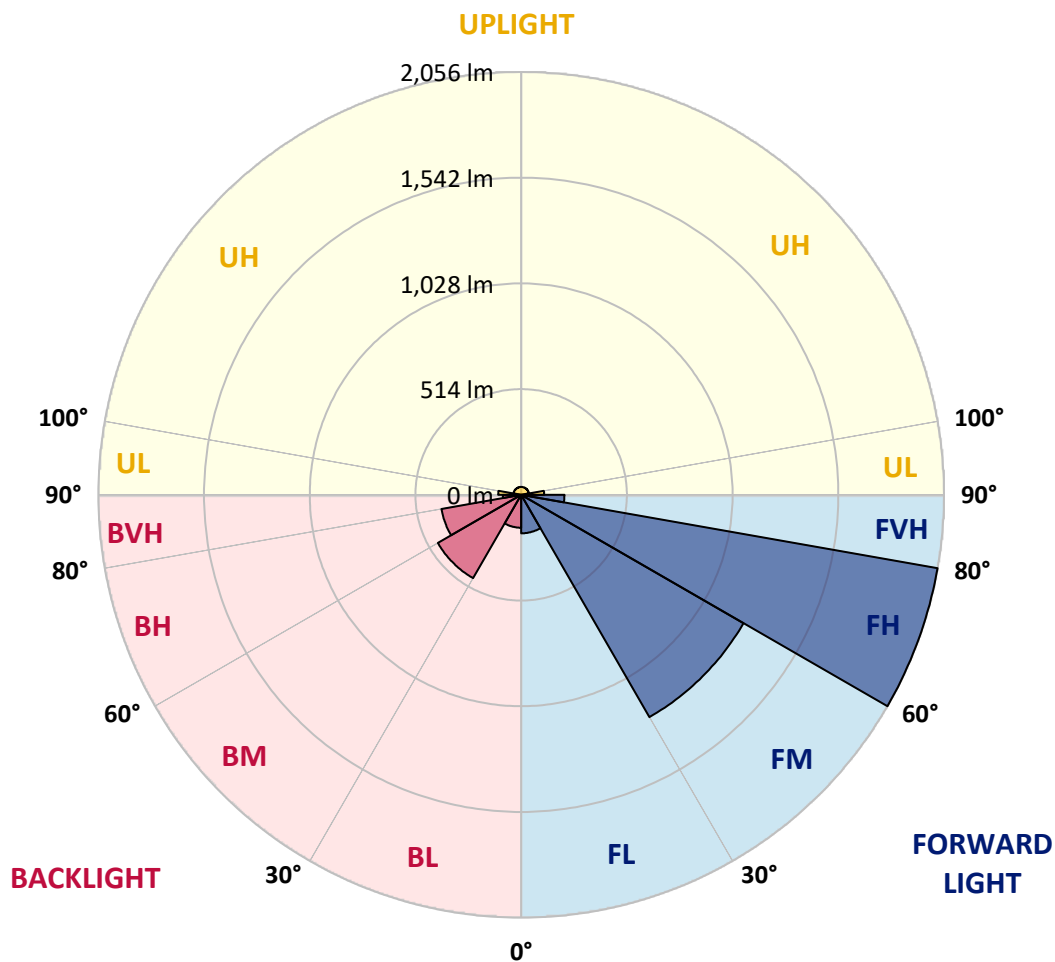
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	187.4	3.8			
FM	(30°-60°)	1248.4	25.2			
FH	(60°-80°)	2056.4	41.4			G2/5000
FVH	(80°-90°)	210.5	4.2			G2/225
BL	(0°-30°)	160.3	3.2	B1/500		
BM	(30°-60°)	467.8	9.4	B1/1000		
BH	(60°-80°)	393.6	7.9	B1/500		G1/500
BVH	(80°-90°)	89.2	1.8			G1/100
UL	(90°-100°)	111.8	2.3		U3/500	
UH	(100°-180°)	38.2	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8
2.5°	490.0	536.9	529.1	534.9	534.9	536.9	538.8	538.8	540.8	538.8	538.8
5°	499.8	497.8	493.9	490.0	486.1	480.3	480.3	480.3	527.1	531.0	527.1
7.5°	466.6	507.6	503.7	495.9	495.9	490.0	482.2	474.4	460.7	456.8	462.7
10°	527.1	525.2	519.3	507.6	464.6	472.5	423.6	382.7	367.0	376.8	402.2
12.5°	468.6	501.7	515.4	515.4	460.7	396.3	353.4	376.8	363.1	324.1	353.4
15°	552.5	548.6	533.0	507.6	404.1	402.2	378.7	331.9	337.7	367.0	394.4
17.5°	472.5	472.5	529.1	484.2	415.8	337.7	335.8	372.9	341.7	326.0	341.7
20°	570.1	568.1	550.5	402.2	419.7	413.9	341.7	380.7	326.0	374.8	410.0
22.5°	484.2	480.3	507.6	482.2	400.2	417.8	320.2	361.2	388.5	343.6	318.2
25°	570.1	574.0	566.2	429.5	454.9	378.7	386.6	411.9	357.3	435.4	452.9
27.5°	501.7	501.7	480.3	480.3	421.7	454.9	363.1	386.6	425.6	470.5	552.5
30°	615.0	616.9	603.3	462.7	466.6	437.3	421.7	449.0	511.5	611.1	648.2
32.5°	751.6	751.6	646.2	552.5	468.6	527.1	445.1	490.0	579.8	630.6	679.4
35°	837.5	827.8	780.9	620.8	505.6	538.8	503.7	521.3	601.3	675.5	710.6
37.5°	960.5	956.6	909.8	681.4	542.7	574.0	523.2	542.7	640.4	708.7	749.7
40°	1130.4	1110.9	1069.9	786.8	587.6	605.2	546.6	570.1	687.2	751.6	800.4
42.5°	1265.1	1269.0	1239.7	911.7	661.8	650.1	587.6	605.2	738.0	818.0	872.7
45°	1390.0	1386.1	1392.0	1062.0	753.6	722.3	659.9	661.8	802.4	900.0	974.2
47.5°	1475.9	1474.0	1487.6	1202.6	870.7	814.1	739.9	732.1	876.6	1040.6	1112.8
50°	1579.4	1573.6	1565.7	1352.9	1003.5	913.7	845.3	818.0	972.2	1198.7	1288.5
52.5°	1706.3	1692.6	1667.3	1470.1	1149.9	1040.6	964.4	927.3	1101.1	1376.4	1491.6
55°	1827.3	1807.8	1786.4	1600.9	1284.6	1167.5	1085.5	1064.0	1269.0	1559.9	1708.3
57.5°	1946.4	1936.7	1919.1	1774.6	1456.4	1300.2	1208.5	1204.6	1464.2	1737.5	1940.6
60°	2057.7	2042.1	2065.5	1962.1	1616.5	1440.8	1343.2	1372.5	1679.0	1915.2	2198.3
62.5°	2126.1	2120.2	2171.0	2133.9	1764.9	1597.0	1497.4	1548.2	1885.9	2089.0	2426.7
65°	2024.5	2040.1	2241.2	2241.2	1936.7	1782.4	1684.8	1716.1	2081.1	2264.7	2635.6
67.5°	1839.1	1860.5	2133.9	2301.8	2090.9	1991.3	1889.8	1907.4	2254.9	2407.2	2805.5
70°	1680.9	1696.5	1950.3	2305.7	2188.5	2233.4	2087.0	2071.4	2389.6	2526.3	2867.9
72.5°	1542.3	1563.8	1772.7	2282.2	2284.2	2508.7	2321.3	2227.6	2512.6	2571.2	2668.8
75°	1222.1	1212.4	1448.6	2007.0	2315.4	2809.4	2596.6	2401.3	2573.1	2416.9	2092.9
77.5°	601.3	626.7	825.8	1292.4	1954.2	2875.7	2746.9	2487.2	2416.9	2024.5	1306.1
80°	177.7	183.5	230.4	462.7	1122.6	2264.7	2268.6	2057.7	1817.6	1183.1	589.6
82.5°	99.6	101.5	132.8	201.1	460.7	1434.9	1493.5	1235.8	804.3	437.3	294.8
85°	52.7	54.7	68.3	105.4	234.3	572.0	607.2	472.5	388.5	285.0	216.7
87.5°	25.4	25.4	23.4	35.1	85.9	138.6	154.2	175.7	156.2	146.4	179.6
90°	21.5	21.5	17.6	19.5	46.9	99.6	121.0	134.7	123.0	134.7	197.2
92.5°	23.4	23.4	17.6	19.5	50.8	111.3	132.8	150.3	130.8	144.5	218.7
95°	21.5	23.4	15.6	17.6	50.8	136.7	160.1	164.0	134.7	158.1	234.3
97.5°	17.6	17.6	11.7	13.7	44.9	160.1	175.7	169.8	119.1	121.0	187.4
100°	13.7	13.7	7.8	11.7	31.2	128.9	150.3	142.5	78.1	19.5	46.9
102.5°	11.7	11.7	5.9	9.8	13.7	62.5	80.0	78.1	46.9	11.7	9.8
105°	11.7	11.7	5.9	7.8	7.8	17.6	27.3	35.1	19.5	5.9	9.8
107.5°	11.7	11.7	5.9	3.9	3.9	7.8	9.8	9.8	9.8	5.9	11.7
110°	13.7	13.7	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	11.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	11.7	11.7	3.9	3.9	2.0	3.9	3.9	3.9	3.9	5.9	11.7
115°	9.8	9.8	2.0	3.9	2.0	2.0	3.9	2.0	3.9	3.9	9.8
117.5°	9.8	7.8	2.0	2.0	2.0	2.0	2.0	2.0	3.9	5.9	11.7
120°	9.8	9.8	3.9	2.0	2.0	2.0	2.0	2.0	3.9	7.8	13.7
122.5°	9.8	9.8	3.9	2.0	0.0	2.0	2.0	2.0	3.9	7.8	15.6
125°	11.7	9.8	3.9	2.0	0.0	0.0	2.0	2.0	2.0	7.8	13.7
127.5°	9.8	7.8	3.9	2.0	0.0	0.0	2.0	2.0	2.0	5.9	11.7
130°	9.8	7.8	3.9	0.0	0.0	0.0	2.0	2.0	2.0	5.9	9.8
132.5°	7.8	5.9	3.9	0.0	0.0	0.0	2.0	2.0	2.0	3.9	7.8
135°	5.9	5.9	2.0	0.0	2.0	0.0	2.0	2.0	2.0	2.0	5.9
137.5°	3.9	3.9	2.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
140°	2.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
145°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	5.9	5.9	5.9	3.9	2.0	2.0	2.0	3.9	2.0	2.0	2.0
152.5°	5.9	5.9	5.9	3.9	0.0	0.0	2.0	2.0	3.9	2.0	2.0
155°	3.9	3.9	3.9	0.0	0.0	0.0	2.0	2.0	2.0	3.9	3.9
157.5°	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
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°	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8	538.8
2.5°	536.9	534.9	533.0	531.0	527.1	523.2	513.5	472.5	472.5	474.4	474.4
5°	527.1	525.2	519.3	482.2	460.7	449.0	452.9	452.9	452.9	454.9	458.8
7.5°	460.7	458.8	431.5	429.5	437.3	447.1	452.9	443.2	423.6	423.6	423.6
10°	402.2	400.2	351.4	341.7	351.4	374.8	435.4	447.1	454.9	456.8	460.7
12.5°	351.4	345.6	302.6	333.8	312.4	351.4	406.1	451.0	410.0	402.2	402.2
15°	390.5	388.5	337.7	292.8	294.8	351.4	322.1	423.6	447.1	451.0	452.9
17.5°	341.7	337.7	310.4	308.5	326.0	283.1	357.3	404.1	384.6	390.5	390.5
20°	408.0	406.1	355.3	294.8	290.9	345.6	316.3	367.0	437.3	451.0	452.9
22.5°	316.3	316.3	326.0	345.6	314.3	329.9	337.7	388.5	374.8	382.7	406.1
25°	449.0	445.1	394.4	310.4	337.7	318.2	353.4	369.0	433.4	449.0	452.9
27.5°	544.7	534.9	423.6	349.5	304.6	341.7	339.7	357.3	367.0	427.6	435.4
30°	642.3	632.5	544.7	392.4	316.3	294.8	324.1	382.7	441.2	451.0	458.8
32.5°	677.4	669.6	556.4	415.8	318.2	314.3	322.1	382.7	484.2	523.2	531.0
35°	714.5	704.8	568.1	406.1	310.4	292.8	304.6	394.4	482.2	507.6	513.5
37.5°	759.4	741.9	581.8	386.6	288.9	277.2	290.9	359.2	458.8	484.2	488.1
40°	816.1	798.5	599.4	365.1	267.5	257.7	265.5	333.8	402.2	423.6	433.4
42.5°	902.0	868.8	607.2	347.5	247.9	238.2	246.0	300.7	353.4	367.0	372.9
45°	1013.2	954.7	618.9	324.1	230.4	216.7	228.4	275.3	300.7	300.7	300.7
47.5°	1149.9	1056.2	624.7	304.6	208.9	197.2	208.9	249.9	263.6	255.8	253.8
50°	1317.8	1185.0	654.0	281.1	191.3	181.6	201.1	220.6	226.5	230.4	230.4
52.5°	1515.0	1333.4	671.6	257.7	179.6	173.8	193.3	206.9	208.9	212.8	212.8
55°	1729.7	1495.5	681.4	236.2	171.8	164.0	185.5	199.1	199.1	203.0	203.0
57.5°	1952.3	1682.9	706.7	220.6	164.0	156.2	177.7	201.1	193.3	201.1	203.0
60°	2186.6	1856.6	685.3	205.0	152.3	150.3	179.6	214.8	212.8	222.6	224.5
62.5°	2407.2	1995.2	589.6	191.3	144.5	152.3	201.1	242.1	236.2	251.8	251.8
65°	2532.1	2042.1	433.4	183.5	138.6	164.0	222.6	269.4	249.9	257.7	253.8
67.5°	2559.5	1995.2	312.4	173.8	136.7	183.5	238.2	275.3	247.9	255.8	255.8
70°	2495.0	1885.9	251.8	165.9	134.7	185.5	242.1	275.3	249.9	267.5	263.6
72.5°	2204.1	1604.8	214.8	158.1	134.7	181.6	247.9	277.2	255.8	285.0	279.2
75°	1661.4	1200.7	189.4	150.3	126.9	175.7	251.8	279.2	247.9	279.2	275.3
77.5°	987.9	685.3	167.9	140.6	117.1	169.8	247.9	279.2	242.1	275.3	271.4
80°	417.8	322.1	142.5	123.0	107.4	162.0	244.0	277.2	232.3	267.5	261.6
82.5°	263.6	218.7	121.0	101.5	105.4	160.1	246.0	273.3	228.4	269.4	249.9
85°	212.8	179.6	103.5	85.9	97.6	164.0	236.2	247.9	197.2	232.3	226.5
87.5°	179.6	150.3	46.9	37.1	72.2	126.9	179.6	185.5	142.5	181.6	173.8
90°	197.2	164.0	44.9	31.2	64.4	111.3	165.9	162.0	136.7	173.8	171.8
92.5°	214.8	173.8	43.0	33.2	72.2	121.0	181.6	164.0	144.5	175.7	173.8
95°	222.6	177.7	41.0	35.1	85.9	132.8	193.3	160.1	152.3	162.0	160.1
97.5°	167.9	128.9	39.0	37.1	89.8	150.3	181.6	134.7	99.6	99.6	97.6
100°	43.0	43.0	35.1	35.1	60.5	109.3	138.6	99.6	56.6	43.0	44.9
102.5°	11.7	13.7	31.2	33.2	33.2	48.8	78.1	64.4	37.1	5.9	5.9
105°	11.7	11.7	21.5	25.4	17.6	15.6	31.2	35.1	27.3	3.9	5.9
107.5°	11.7	11.7	9.8	13.7	5.9	7.8	7.8	9.8	9.8	3.9	3.9
110°	13.7	11.7	5.9	5.9	3.9	3.9	3.9	3.9	3.9	7.8	7.8



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CATALOG NUMBER: SDL-PA1-50-727-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.7	11.7	5.9	3.9	3.9	3.9	3.9	3.9	3.9	9.8	9.8
115°	11.7	9.8	5.9	3.9	3.9	3.9	3.9	2.0	3.9	11.7	11.7
117.5°	13.7	11.7	5.9	3.9	2.0	3.9	3.9	2.0	3.9	13.7	13.7
120°	15.6	13.7	5.9	3.9	2.0	2.0	2.0	2.0	5.9	13.7	13.7
122.5°	15.6	15.6	7.8	2.0	2.0	2.0	2.0	2.0	5.9	13.7	13.7
125°	15.6	13.7	5.9	2.0	2.0	2.0	0.0	2.0	5.9	13.7	15.6
127.5°	11.7	11.7	5.9	2.0	2.0	2.0	0.0	2.0	5.9	11.7	13.7
130°	9.8	9.8	3.9	2.0	2.0	2.0	0.0	2.0	5.9	11.7	11.7
132.5°	7.8	7.8	3.9	2.0	2.0	0.0	0.0	0.0	5.9	9.8	9.8
135°	5.9	5.9	2.0	2.0	2.0	0.0	0.0	0.0	3.9	7.8	7.8
137.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	2.0	3.9	3.9
140°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
142.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
145°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0
147.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
150°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	2.0	3.9	2.0	3.9
152.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	2.0	3.9	3.9	3.9
155°	3.9	3.9	3.9	2.0	2.0	0.0	0.0	0.0	2.0	3.9	3.9
157.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.0	2.0	2.0	2.0	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)