

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: P560223

Luminaire Tested: **SDL-PA1-30-750-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560223
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-PA1-30-750-U-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 5000K, 375mA 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: 2985.8 lumens
Efficiency: N/A
Efficacy: 99.2 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: B0 - U3 - G2

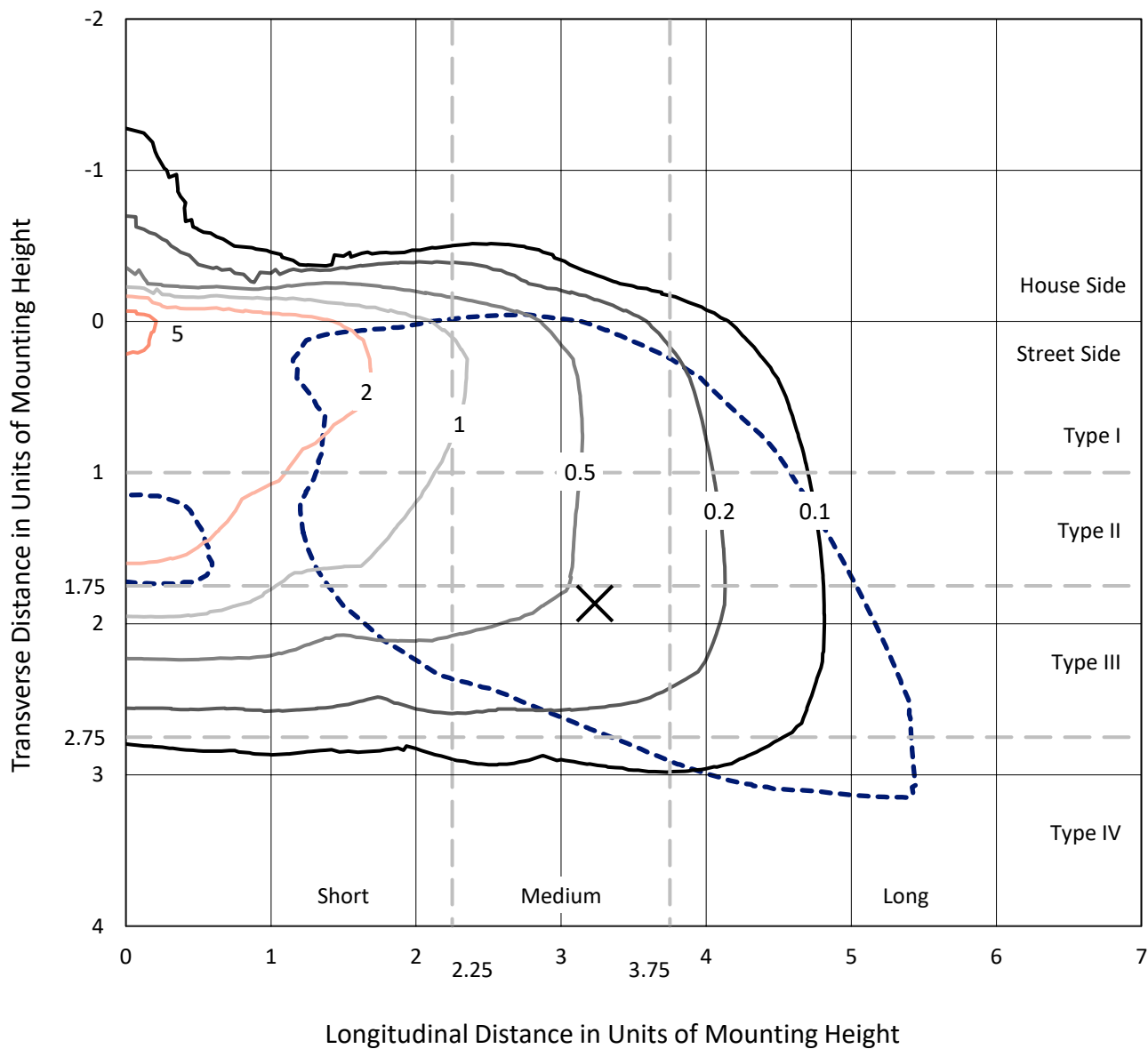
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

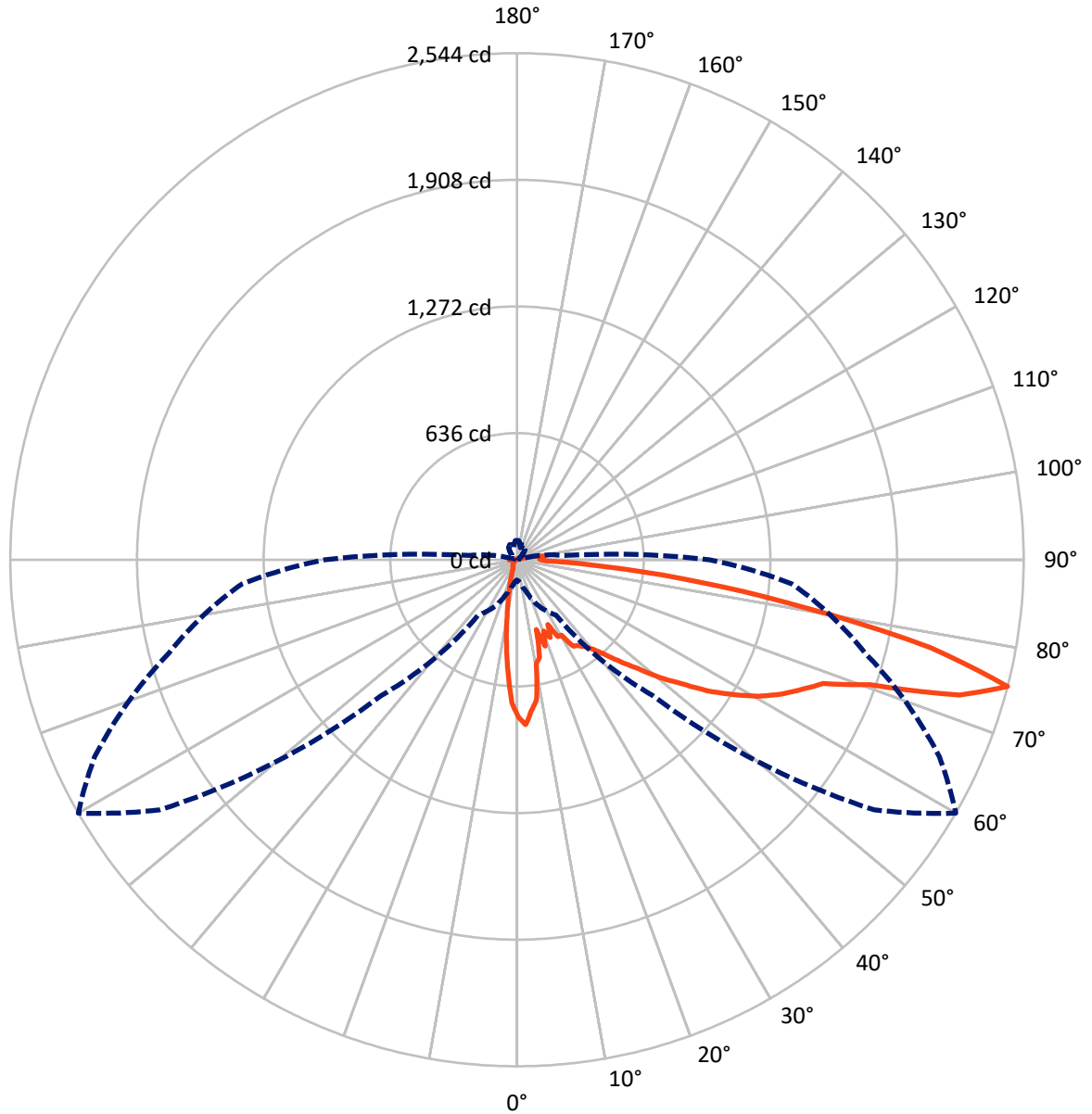
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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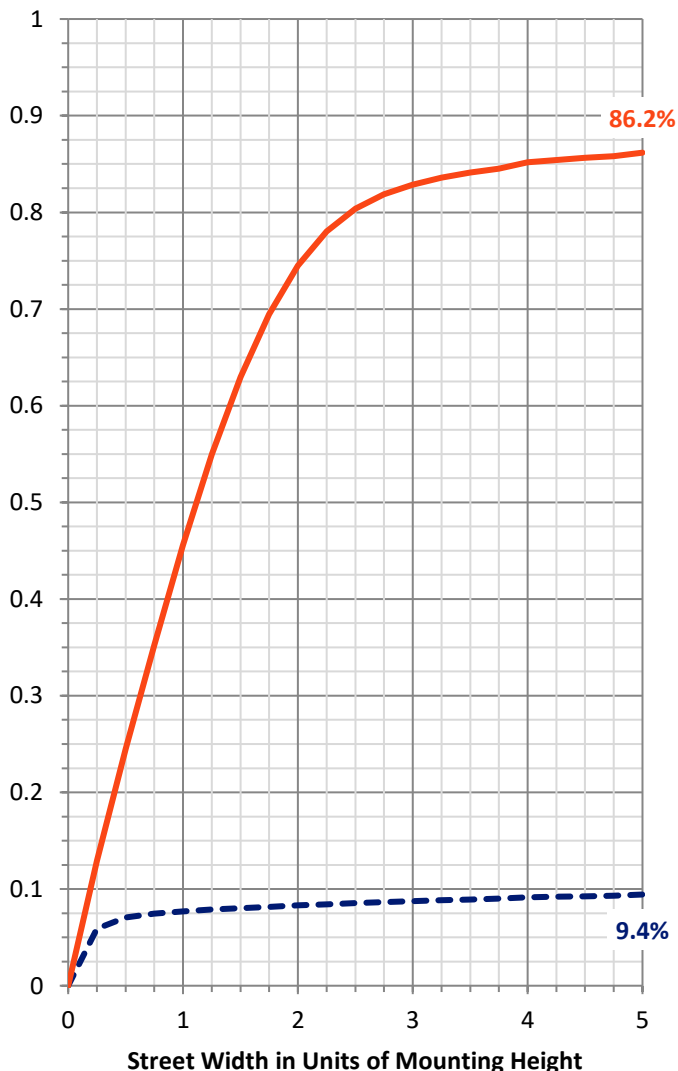
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	308.6	40.2	348.8
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	2594.8	42.1	2636.9
	% Fixture	86.9	1.4	88.3
Total	Lumens	2903.4	82.4	2985.8
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	1.8
10°-20°	89.8	3.0
20°-30°	127.0	4.3
30°-40°	228.3	7.6
40°-50°	384.6	12.9
50°-60°	598.2	20.0
60°-70°	705.9	23.6
70°-80°	572.6	19.2
80°-90°	142.2	4.8
90°-100°	57.4	1.9
100°-110°	13.3	0.4
110°-120°	4.2	0.1
120°-130°	3.7	0.1
130°-140°	2.0	0.1
140°-150°	1.0	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2903.4	97.2
0°-180°	2985.8	100.0

Coefficient of Utilization



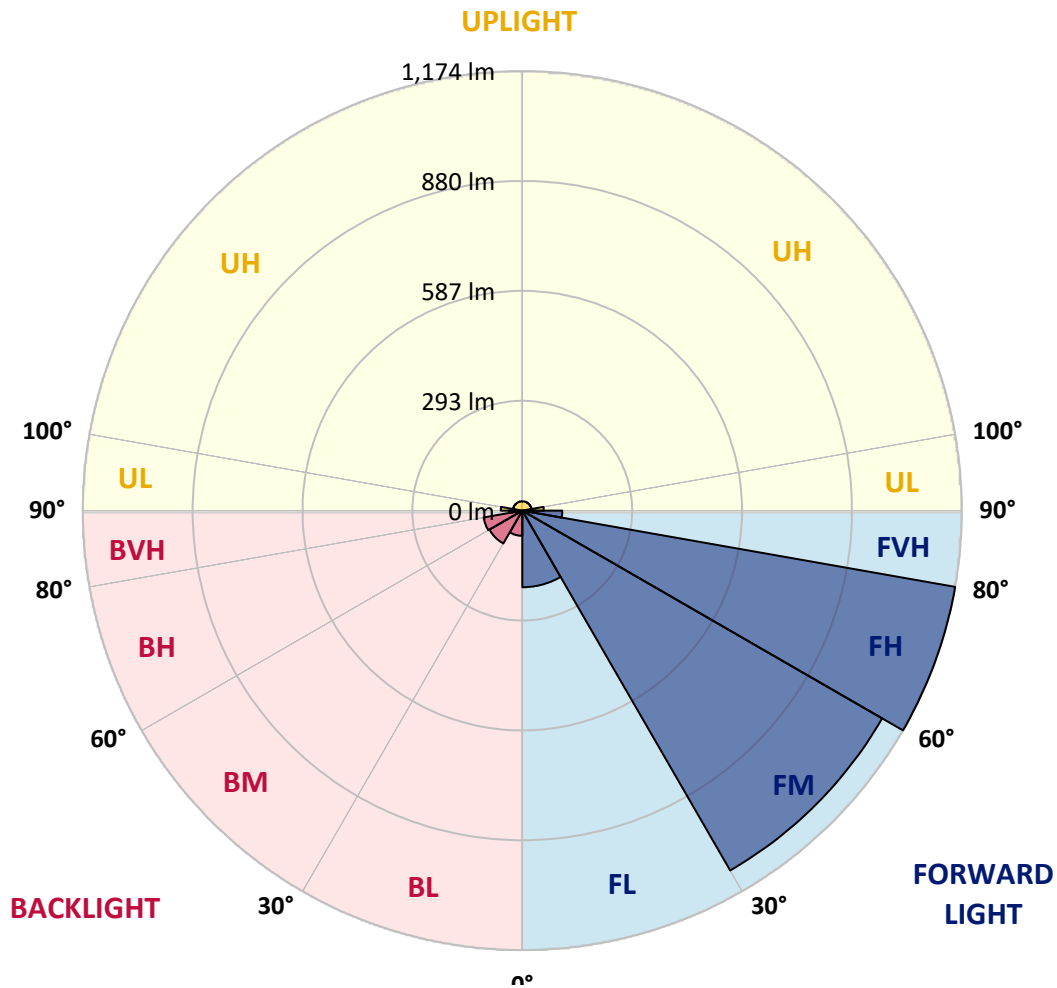
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	204.5	6.8			
FM (30°-60°)	1109.6	37.2			
FH (60°-80°)	1173.8	39.3			G1/1800
FVH (80°-90°)	106.9	3.6			G2/225
BL (0°-30°)	67.1	2.2	B0/110		
BM (30°-60°)	101.4	3.4	B0/220		
BH (60°-80°)	104.7	3.5	B0/110		G0/110
BVH (80°-90°)	35.3	1.2			G1/100
UL (90°-100°)	57.4	1.9		U3/500	
UH (100°-180°)	25.0	0.8		U2/50	

BUG Rating: B0-U3-G2
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	789.2	789.2	789.2	789.2	789.2	789.2	789.2	789.2	789.2	789.2	789.2
2.5°	742.3	798.9	782.3	834.8	841.7	838.9	836.2	829.3	822.4	809.9	790.6
5°	712.0	717.5	713.4	723.0	724.4	728.5	721.6	760.3	825.1	808.6	778.2
7.5°	585.0	643.0	649.9	667.8	684.4	700.9	710.6	709.2	626.4	703.7	669.2
10°	597.4	605.7	604.3	616.8	603.0	579.5	528.5	529.8	529.8	546.4	564.3
12.5°	473.3	498.1	558.8	578.1	536.7	488.4	492.6	502.2	509.1	431.9	476.0
15°	536.7	538.1	539.5	539.5	404.3	462.2	402.9	364.3	416.7	510.5	518.8
17.5°	420.8	416.7	485.7	480.2	445.7	343.6	447.1	456.7	438.8	429.1	431.9
20°	494.0	494.0	489.8	390.5	411.2	442.9	383.6	382.2	404.3	502.2	507.8
22.5°	400.1	396.0	418.1	434.6	390.5	422.2	378.1	425.0	470.5	444.3	362.9
25°	500.9	500.9	484.3	376.7	404.3	362.9	419.5	360.1	400.1	543.6	517.4
27.5°	463.6	451.2	412.6	427.7	362.9	422.2	386.3	437.4	462.2	563.0	603.0
30°	598.8	594.7	550.5	430.5	412.6	387.7	415.3	440.2	532.6	729.9	696.8
32.5°	798.9	776.8	626.4	532.6	433.3	459.5	442.9	517.4	585.0	746.5	706.5
35°	852.7	836.2	764.4	647.1	485.7	485.7	476.0	528.5	600.2	782.3	727.1
37.5°	870.6	869.3	844.4	707.8	557.4	558.8	503.6	554.7	630.6	830.6	757.5
40°	881.7	884.4	909.3	771.3	633.3	630.6	554.7	591.9	677.5	883.1	812.7
42.5°	928.6	943.8	974.1	841.7	705.1	706.5	616.8	651.3	739.6	970.0	888.6
45°	1033.5	1037.6	1055.5	938.3	772.7	782.3	695.4	731.3	815.5	1065.2	974.1
47.5°	1192.1	1192.1	1161.8	1014.1	852.7	866.5	778.2	815.5	905.1	1204.6	1073.5
50°	1332.9	1321.8	1255.6	1103.8	917.6	947.9	887.2	930.0	981.0	1310.8	1197.7
52.5°	1421.2	1417.0	1335.6	1164.5	986.5	1037.6	976.9	1032.1	1069.3	1421.2	1309.4
55°	1408.8	1408.8	1356.3	1196.3	1050.0	1119.0	1092.8	1161.8	1175.6	1526.0	1390.8
57.5°	1361.9	1368.8	1343.9	1208.7	1062.4	1196.3	1211.5	1276.3	1299.8	1586.8	1441.9
60°	1266.6	1280.4	1306.7	1225.3	1110.7	1283.2	1332.9	1390.8	1435.0	1632.3	1484.7
62.5°	1088.7	1106.6	1199.0	1223.9	1148.0	1372.9	1436.4	1487.4	1528.8	1657.1	1515.0
65°	825.1	858.2	992.1	1135.6	1145.2	1477.8	1520.5	1570.2	1610.2	1682.0	1593.7
67.5°	527.1	528.5	673.3	938.3	1068.0	1625.4	1633.7	1658.5	1684.7	1751.0	1705.4
70°	271.8	285.6	354.6	598.8	874.8	1655.7	1916.5	1880.7	1840.6	1901.4	1850.3
72.5°	180.8	195.9	233.2	322.9	549.2	1492.9	2224.2	2323.6	2147.0	2013.1	1723.4
75°	102.1	110.4	155.9	255.3	339.4	964.5	2189.7	2544.3	2340.1	1808.9	1385.3
77.5°	45.5	48.3	70.4	200.1	291.1	470.5	1723.4	2126.3	2044.8	1508.1	999.0
80°	24.8	24.8	33.1	92.4	247.0	354.6	1143.8	1480.5	1390.8	909.3	454.0
82.5°	13.8	15.2	19.3	44.2	150.4	324.3	723.0	928.6	734.0	249.7	183.5
85°	5.5	5.5	8.3	23.5	55.2	274.6	396.0	441.5	296.7	126.9	142.1
87.5°	2.8	2.8	2.8	8.3	17.9	70.4	129.7	139.4	109.0	100.7	122.8
90°	4.1	4.1	2.8	2.8	12.4	74.5	109.0	114.5	89.7	100.7	124.2
92.5°	5.5	4.1	2.8	2.8	9.7	74.5	124.2	122.8	89.7	100.7	128.3
95°	6.9	5.5	2.8	2.8	9.7	66.2	149.0	133.8	96.6	102.1	135.2
97.5°	6.9	6.9	2.8	2.8	9.7	51.1	157.3	135.2	84.2	66.2	92.4
100°	8.3	8.3	2.8	2.8	11.0	30.4	109.0	100.7	59.3	22.1	26.2
102.5°	9.7	9.7	2.8	2.8	6.9	15.2	52.4	51.1	33.1	5.5	9.7
105°	9.7	11.0	2.8	2.8	2.8	6.9	19.3	23.5	16.6	5.5	9.7
107.5°	11.0	12.4	2.8	2.8	2.8	4.1	8.3	8.3	5.5	5.5	9.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	8.3	8.3	1.4	2.8	2.8	2.8	1.4	2.8	2.8	4.1	8.3
115°	4.1	2.8	1.4	2.8	1.4	2.8	1.4	2.8	4.1	4.1	9.7
117.5°	1.4	1.4	1.4	1.4	1.4	2.8	1.4	2.8	2.8	6.9	12.4
120°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	9.7	15.2
122.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	9.7	17.9
125°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	6.9	16.6
127.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	6.9	13.8
130°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	5.5	12.4
132.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	5.5	9.7
135°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	6.9
137.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
140°	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
142.5°	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
145°	1.4	1.4	1.4	1.4	2.8	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4
150°	5.5	5.5	5.5	4.1	2.8	1.4	4.1	2.8	1.4	1.4	1.4
152.5°	4.1	4.1	6.9	2.8	1.4	1.4	1.4	4.1	4.1	1.4	1.4
155°	4.1	4.1	2.8	1.4	1.4	1.4	1.4	1.4	1.4	4.1	5.5
157.5°	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4	2.8	1.4
160°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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°	789.2	789.2	789.2	789.2	789.2	789.2	789.2	789.2	789.2	789.2	789.2
2.5°	783.7	775.4	753.4	732.7	707.8	692.7	640.2	580.9	568.5	565.7	556.1
5°	764.4	746.5	703.7	612.6	521.6	480.2	460.8	445.7	425.0	420.8	415.3
7.5°	648.5	618.1	551.9	440.2	426.4	387.7	356.0	329.8	273.2	258.0	249.7
10°	539.5	513.3	376.7	320.1	291.1	262.2	227.7	201.4	178.0	167.0	162.8
12.5°	436.0	409.8	281.5	253.9	180.8	149.0	129.7	107.6	89.7	80.0	80.0
15°	482.9	440.2	291.1	180.8	118.7	88.3	64.9	58.0	67.6	69.0	69.0
17.5°	394.6	351.8	229.0	140.7	86.9	48.3	52.4	59.3	64.9	56.6	58.0
20°	454.0	394.6	230.4	106.2	55.2	46.9	48.3	44.2	59.3	60.7	60.7
22.5°	343.6	310.5	173.9	84.2	42.8	44.2	41.4	49.7	55.2	48.3	46.9
25°	444.3	365.6	176.6	53.8	42.8	35.9	42.8	38.6	51.1	52.4	52.4
27.5°	509.1	409.8	154.5	46.9	35.9	38.6	34.5	40.0	38.6	38.6	38.6
30°	578.1	447.1	150.4	45.5	34.5	31.7	33.1	31.7	37.3	38.6	38.6
32.5°	578.1	427.7	114.5	45.5	33.1	30.4	26.2	29.0	30.4	33.1	34.5
35°	582.3	411.2	84.2	41.4	30.4	26.2	23.5	23.5	26.2	27.6	27.6
37.5°	594.7	400.1	64.9	38.6	27.6	23.5	19.3	20.7	35.9	40.0	40.0
40°	629.2	400.1	55.2	35.9	24.8	20.7	16.6	26.2	30.4	35.9	35.9
42.5°	683.0	405.7	52.4	34.5	22.1	17.9	13.8	20.7	37.3	42.8	44.2
45°	739.6	416.7	49.7	33.1	20.7	15.2	16.6	24.8	29.0	38.6	38.6
47.5°	818.2	440.2	48.3	31.7	19.3	12.4	15.2	24.8	31.7	41.4	41.4
50°	903.8	465.0	45.5	30.4	16.6	11.0	23.5	20.7	26.2	42.8	42.8
52.5°	992.1	494.0	44.2	29.0	15.2	15.2	26.2	24.8	31.7	41.4	42.8
55°	1069.3	517.4	41.4	29.0	13.8	13.8	27.6	24.8	29.0	38.6	40.0
57.5°	1106.6	521.6	40.0	27.6	12.4	13.8	26.2	30.4	26.2	31.7	34.5
60°	1153.5	532.6	35.9	24.8	11.0	17.9	30.4	40.0	35.9	41.4	44.2
62.5°	1197.7	540.9	31.7	22.1	9.7	19.3	40.0	48.3	38.6	48.3	53.8
65°	1279.1	558.8	26.2	17.9	8.3	22.1	45.5	58.0	42.8	56.6	56.6
67.5°	1392.2	587.8	20.7	15.2	8.3	24.8	46.9	66.2	51.1	62.1	60.7
70°	1436.4	540.9	17.9	13.8	8.3	29.0	51.1	71.7	53.8	69.0	69.0
72.5°	1252.8	390.5	15.2	13.8	13.8	33.1	63.5	78.6	59.3	86.9	85.5
75°	967.2	245.6	15.2	13.8	16.6	41.4	71.7	84.2	63.5	96.6	95.2
77.5°	644.4	115.9	15.2	15.2	19.3	45.5	77.3	89.7	70.4	107.6	106.2
80°	252.5	63.5	16.6	16.6	23.5	48.3	82.8	92.4	73.1	115.9	114.5
82.5°	121.4	44.2	16.6	16.6	31.7	53.8	88.3	96.6	75.9	117.3	115.9
85°	103.5	41.4	15.2	17.9	38.6	67.6	93.8	95.2	77.3	111.8	111.8
87.5°	92.4	40.0	15.2	17.9	52.4	78.6	98.0	93.8	82.8	109.0	109.0
90°	95.2	42.8	16.6	20.7	59.3	80.0	99.3	93.8	80.0	100.7	100.7
92.5°	102.1	45.5	17.9	22.1	59.3	74.5	92.4	84.2	74.5	85.5	84.2
95°	107.6	48.3	19.3	24.8	52.4	58.0	77.3	67.6	62.1	66.2	66.2
97.5°	82.8	37.3	22.1	27.6	40.0	34.5	48.3	44.2	33.1	27.6	27.6
100°	22.1	12.4	23.5	27.6	27.6	23.5	35.9	33.1	22.1	9.7	9.7
102.5°	8.3	8.3	22.1	26.2	22.1	17.9	26.2	24.8	17.9	2.8	2.8
105°	8.3	6.9	13.8	20.7	13.8	9.7	13.8	16.6	11.0	2.8	2.8
107.5°	8.3	6.9	8.3	12.4	5.5	4.1	5.5	5.5	5.5	1.4	2.8



REPORT NUMBER: P560223
 CATALOG NUMBER: SDL-PA1-30-750-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.3	6.9	4.1	5.5	4.1	4.1	2.8	2.8	4.1	8.3	8.3
115°	8.3	6.9	4.1	4.1	2.8	4.1	2.8	1.4	4.1	9.7	11.0
117.5°	11.0	6.9	2.8	2.8	2.8	2.8	2.8	1.4	4.1	12.4	13.8
120°	13.8	8.3	2.8	2.8	2.8	1.4	2.8	1.4	5.5	12.4	13.8
122.5°	15.2	9.7	2.8	2.8	2.8	1.4	1.4	2.8	5.5	12.4	12.4
125°	15.2	9.7	2.8	2.8	1.4	1.4	1.4	1.4	5.5	12.4	13.8
127.5°	12.4	8.3	2.8	2.8	1.4	1.4	1.4	1.4	5.5	11.0	12.4
130°	11.0	8.3	2.8	2.8	1.4	1.4	1.4	1.4	5.5	9.7	11.0
132.5°	8.3	6.9	2.8	1.4	1.4	1.4	1.4	1.4	5.5	8.3	9.7
135°	6.9	4.1	2.8	1.4	1.4	1.4	1.4	1.4	4.1	8.3	8.3
137.5°	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	4.1	4.1
140°	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8
142.5°	1.4	2.8	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
145°	1.4	2.8	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
147.5°	1.4	2.8	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
150°	1.4	2.8	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	2.8
152.5°	1.4	2.8	1.4	1.4	1.4	0.0	0.0	1.4	1.4	1.4	1.4
155°	5.5	4.1	2.8	1.4	1.4	0.0	0.0	0.0	1.4	1.4	1.4
157.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4	1.4
160°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4	1.4
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° | 11.0 11.0 2.8 2.8 2.8 2.8 2.8 2.8 2.8 5.5 9.7

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110°	8.3	6.9	4.1	5.5	4.1	4.1	4.1	2.8	2.8	5.5	5.5
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