

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: P560754

Luminaire Tested: **SDL-PA1-60-750-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560754
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-PA1-60-750-U-T2R-A
Description: Springdale
(1) 70 CRI, 5000K, 800mA 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: 6144.6 lumens
Efficiency: N/A
Efficacy: 98.5 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 - U3 - G2

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

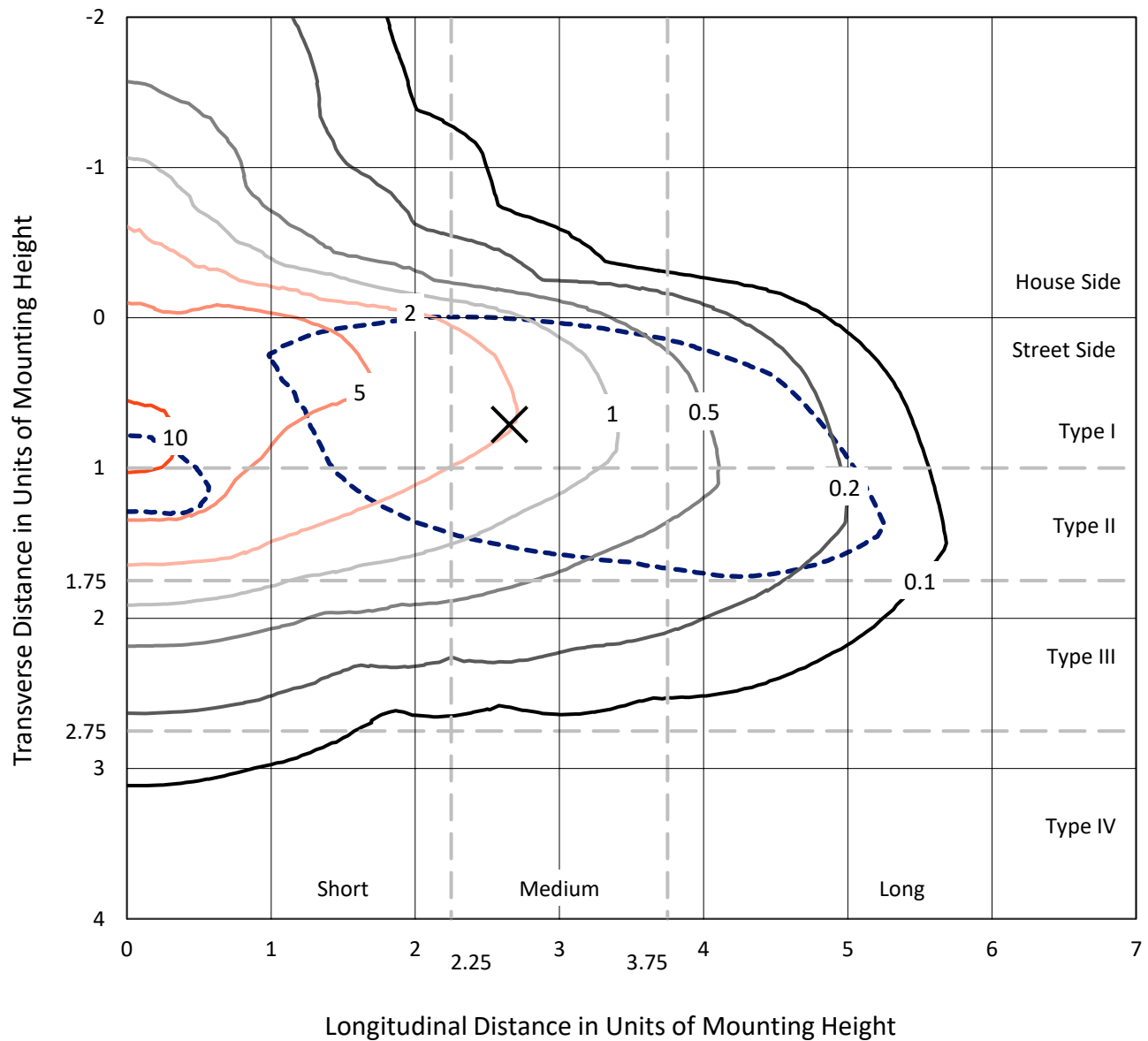


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

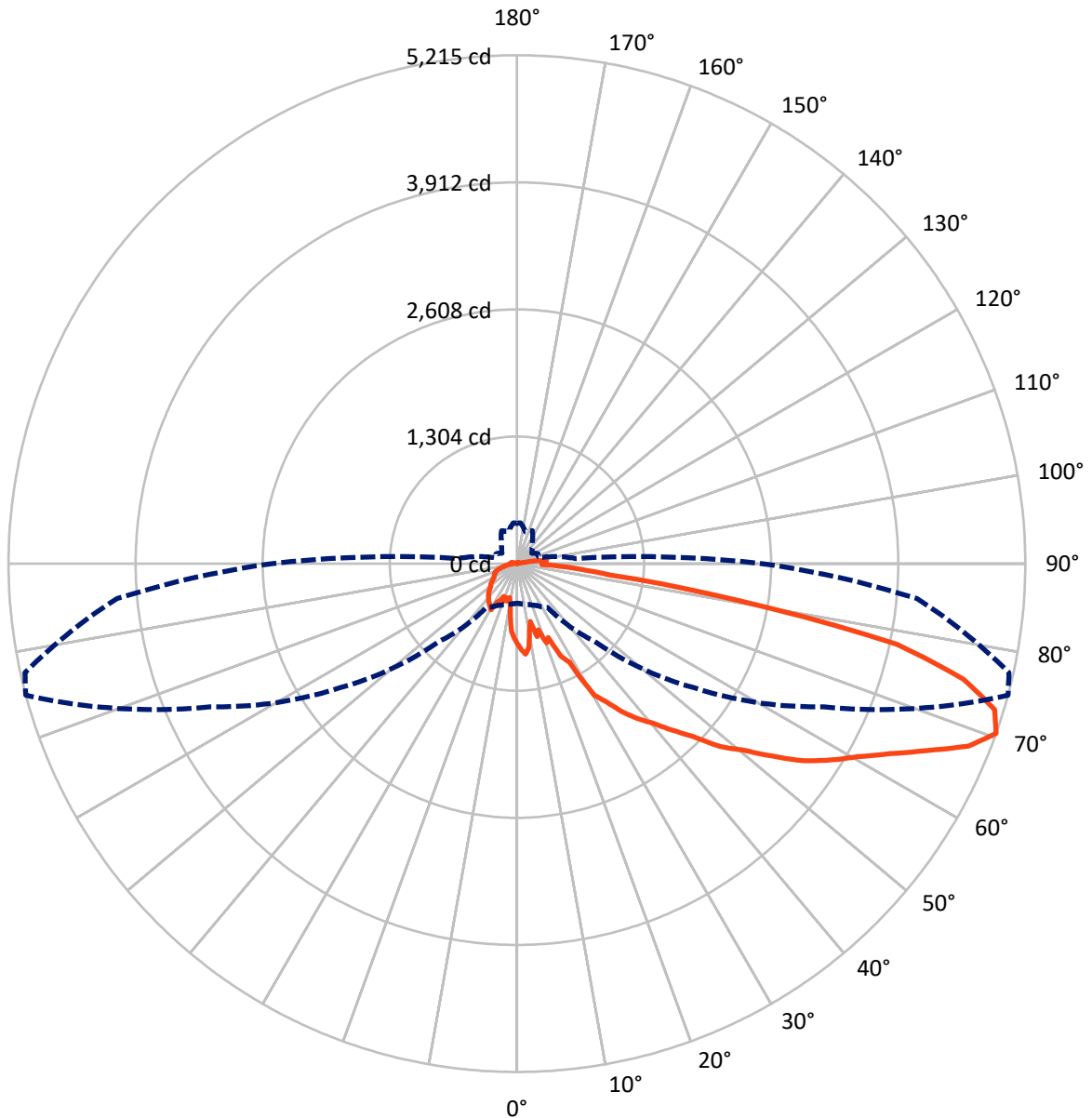


Based on 10 foot mounting height. Maximum calculated value = 12.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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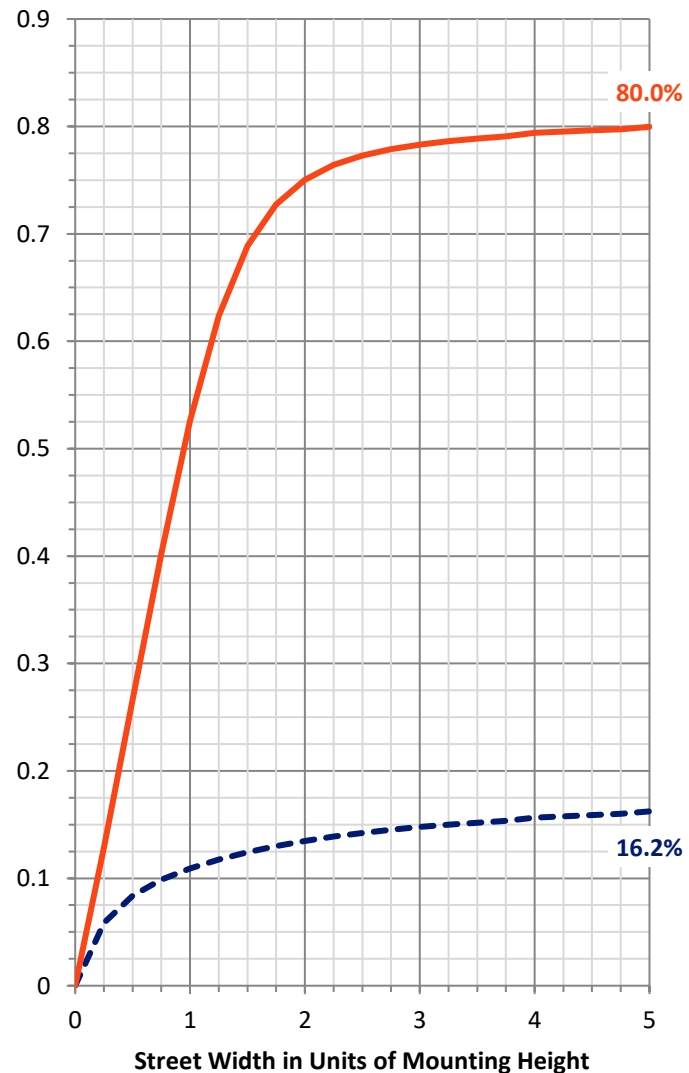
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1050.4	62.8	1113.2
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	4951.9	79.5	5031.3
	% Fixture	80.6	1.3	81.9
Total	Lumens	6002.3	142.2	6144.6
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	1.1
10°-20°	179.2	2.9
20°-30°	323.6	5.3
30°-40°	661.2	10.8
40°-50°	1038.3	16.9
50°-60°	1275.0	20.7
60°-70°	1268.0	20.6
70°-80°	937.9	15.3
80°-90°	250.6	4.1
90°-100°	92.6	1.5
100°-110°	21.6	0.4
110°-120°	10.2	0.2
120°-130°	9.1	0.1
130°-140°	4.4	0.1
140°-150°	2.2	0.0
150°-160°	1.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6002.3	97.7
0°-180°	6144.6	100.0



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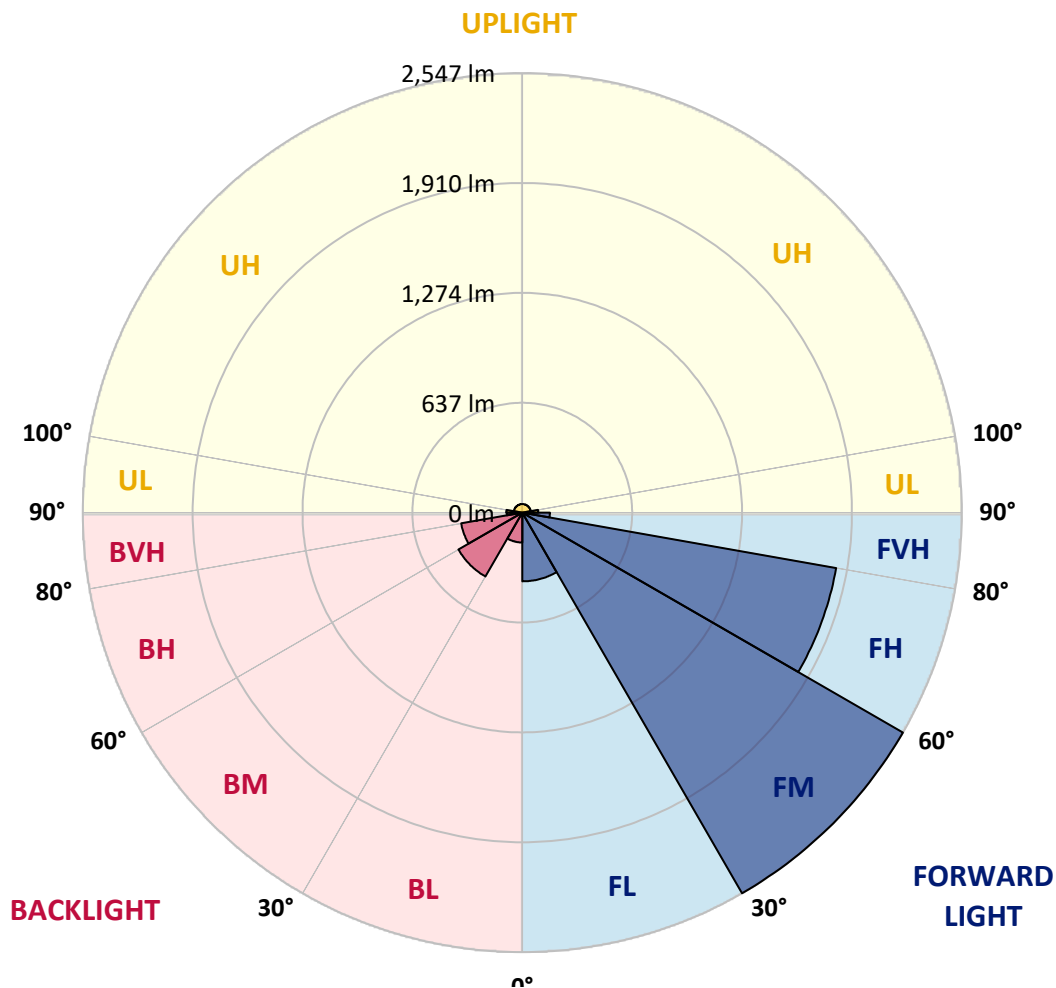
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	398.2	6.5			
FM	(30°-60°)	2547.0	41.5			
FH	(60°-80°)	1846.6	30.1			G2/5000
FVH	(80°-90°)	160.0	2.6			G2/225
BL	(0°-30°)	173.1	2.8	B1/500		
BM	(30°-60°)	427.4	7.0	B1/1000		
BH	(60°-80°)	359.3	5.8	B1/500		G1/500
BVH	(80°-90°)	90.6	1.5			G1/100
UL	(90°-100°)	92.6	1.5		U3/500	
UH	(100°-180°)	49.6	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°	823.6	823.6	823.6	823.6	823.6	823.6	823.6	823.6	823.6	823.6	823.6
2.5°	854.8	902.9	924.5	948.5	970.1	958.1	938.9	910.1	883.6	874.0	845.2
5°	943.7	938.9	936.5	929.3	917.3	895.7	869.2	972.5	931.7	914.9	866.8
7.5°	830.8	962.9	977.3	991.7	986.9	960.5	926.9	833.2	869.2	847.6	787.6
10°	1015.7	1015.7	1010.9	1015.7	960.5	917.3	785.2	730.0	703.6	761.2	706.0
12.5°	864.4	941.3	1037.3	1056.5	972.5	852.4	797.2	770.8	607.5	600.3	643.5
15°	1006.1	1018.1	1020.5	1025.3	828.4	893.3	737.2	684.3	775.6	754.0	761.2
17.5°	809.2	821.2	977.3	967.7	890.9	713.2	862.0	773.2	713.2	686.7	677.1
20°	1018.1	1020.5	1013.3	818.8	859.6	931.7	806.8	782.8	869.2	866.8	830.8
22.5°	866.8	869.2	895.7	986.9	888.4	941.3	811.6	977.3	823.6	826.0	641.1
25°	1159.8	1162.2	1138.2	878.8	998.9	883.6	984.5	878.8	1051.7	1018.1	938.9
27.5°	1217.4	1128.6	1037.3	1090.2	953.3	1097.4	936.5	1063.7	1143.0	1135.8	1147.8
30°	1544.0	1548.8	1486.4	1193.4	1116.6	1082.9	1080.5	1263.0	1565.6	1577.6	1378.3
32.5°	2091.5	2062.6	1755.3	1471.9	1203.0	1320.7	1212.6	1462.3	1692.9	1685.7	1476.7
35°	2341.2	2312.4	2197.1	1817.7	1390.3	1426.3	1368.7	1556.0	1868.1	1812.9	1575.2
37.5°	2552.5	2547.7	2451.6	2002.6	1580.0	1632.8	1462.3	1671.2	2019.4	1961.8	1676.0
40°	2735.0	2718.2	2634.1	2168.3	1774.5	1776.9	1580.0	1810.5	2153.9	2168.3	1774.5
42.5°	2886.3	2871.9	2802.2	2334.0	1889.8	1904.2	1704.9	1952.2	2334.0	2360.4	1928.2
45°	2948.7	2955.9	2907.9	2482.9	1993.0	2019.4	1853.7	2096.3	2526.1	2547.7	2065.0
47.5°	2994.3	2996.7	2984.7	2605.3	2103.5	2115.5	2000.2	2225.9	2804.6	2761.4	2225.9
50°	2891.1	2881.5	2893.5	2699.0	2199.5	2213.9	2122.7	2360.4	3003.9	2948.7	2394.0
52.5°	2619.7	2631.7	2756.6	2650.9	2230.7	2259.5	2237.9	2478.1	3280.1	3236.8	2634.1
55°	1937.8	1990.6	2350.8	2454.0	2228.3	2278.8	2343.6	2701.4	3570.6	3505.8	2838.2
57.5°	1568.0	1568.0	1779.3	2117.9	2105.9	2266.7	2451.6	2852.6	3801.1	3755.5	3042.3
60°	1258.2	1258.2	1373.5	1680.9	1868.1	2206.7	2562.1	3076.0	4019.6	3993.2	3222.4
62.5°	986.9	984.5	1080.5	1253.4	1532.0	2074.6	2619.7	3268.1	4293.4	4288.6	3510.6
65°	713.2	722.8	804.4	912.5	1203.0	1827.3	2617.3	3440.9	4622.3	4636.7	3834.7
67.5°	528.3	533.1	578.7	657.9	826.0	1515.2	2502.1	3561.0	4994.5	4970.5	4041.2
70°	405.8	413.0	432.2	473.0	549.9	1126.2	2223.5	3477.0	5215.4	5169.8	4118.1
72.5°	341.0	343.4	341.0	362.6	367.4	763.6	1781.7	3157.6	5124.2	5052.2	3906.8
75°	290.5	288.1	285.7	290.5	271.3	504.3	1277.4	2672.6	4730.4	4605.5	3450.5
77.5°	249.7	247.3	237.7	240.1	216.1	372.2	871.6	2096.3	3986.0	3693.1	2593.3
80°	206.5	206.5	199.3	199.3	182.5	283.3	557.1	1445.5	2322.0	2089.1	1349.5
82.5°	160.9	158.5	158.5	163.3	156.1	220.9	365.0	720.4	958.1	898.1	631.5
85°	86.4	86.4	98.4	110.5	108.1	134.5	278.5	425.0	566.7	547.5	353.0
87.5°	26.4	26.4	28.8	36.0	38.4	72.0	175.3	206.5	256.9	283.3	278.5
90°	28.8	26.4	19.2	21.6	24.0	52.8	163.3	199.3	259.3	288.1	295.3
92.5°	33.6	31.2	19.2	19.2	24.0	43.2	156.1	194.5	283.3	312.2	319.4
95°	36.0	33.6	19.2	19.2	24.0	38.4	139.3	192.1	302.6	341.0	341.0
97.5°	33.6	31.2	14.4	16.8	21.6	33.6	108.1	158.5	211.3	232.9	268.9
100°	28.8	28.8	9.6	14.4	19.2	24.0	62.4	86.4	62.4	60.0	60.0
102.5°	26.4	26.4	9.6	12.0	14.4	16.8	28.8	45.6	14.4	16.8	21.6
105°	26.4	28.8	7.2	9.6	9.6	9.6	14.4	24.0	12.0	14.4	21.6
107.5°	26.4	28.8	7.2	7.2	9.6	7.2	7.2	9.6	12.0	14.4	24.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	16.8	16.8	4.8	7.2	7.2	7.2	4.8	7.2	12.0	16.8	24.0
115°	12.0	9.6	4.8	7.2	4.8	7.2	4.8	7.2	12.0	16.8	21.6
117.5°	9.6	7.2	4.8	4.8	4.8	4.8	2.4	7.2	14.4	19.2	26.4
120°	9.6	9.6	4.8	4.8	4.8	4.8	2.4	7.2	21.6	24.0	33.6
122.5°	9.6	9.6	4.8	4.8	4.8	4.8	2.4	4.8	19.2	26.4	36.0
125°	9.6	9.6	4.8	4.8	4.8	4.8	2.4	4.8	16.8	24.0	31.2
127.5°	9.6	9.6	4.8	2.4	4.8	4.8	4.8	4.8	14.4	19.2	26.4
130°	9.6	9.6	4.8	2.4	4.8	4.8	4.8	4.8	12.0	14.4	21.6
132.5°	7.2	7.2	4.8	2.4	4.8	2.4	2.4	4.8	9.6	12.0	16.8
135°	4.8	4.8	4.8	2.4	4.8	2.4	2.4	2.4	4.8	7.2	12.0
137.5°	2.4	4.8	2.4	2.4	4.8	2.4	2.4	2.4	2.4	2.4	4.8
140°	2.4	2.4	2.4	2.4	4.8	2.4	2.4	2.4	2.4	2.4	2.4
142.5°	2.4	2.4	2.4	2.4	4.8	4.8	2.4	2.4	2.4	2.4	2.4
145°	2.4	2.4	2.4	2.4	7.2	4.8	2.4	2.4	2.4	2.4	2.4
147.5°	2.4	2.4	2.4	9.6	7.2	4.8	2.4	2.4	2.4	2.4	2.4
150°	12.0	12.0	12.0	9.6	7.2	4.8	7.2	2.4	2.4	2.4	2.4
152.5°	12.0	12.0	14.4	7.2	4.8	2.4	2.4	9.6	7.2	4.8	4.8
155°	9.6	7.2	7.2	2.4	2.4	2.4	2.4	2.4	7.2	9.6	9.6
157.5°	2.4	2.4	4.8	2.4	2.4	2.4	2.4	2.4	4.8	2.4	2.4
160°	0.0	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
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°	823.6	823.6	823.6	823.6	823.6	823.6	823.6	823.6	823.6	823.6	823.6
2.5°	828.4	809.2	763.6	730.0	689.1	653.1	621.9	552.3	540.3	533.1	530.7
5°	828.4	787.6	698.8	590.7	506.7	487.4	477.8	477.8	473.0	475.4	477.8
7.5°	734.8	679.5	545.1	461.0	475.4	475.4	477.8	465.8	427.4	432.2	425.0
10°	643.5	573.9	410.6	374.6	410.6	413.0	468.2	489.8	497.1	499.5	499.5
12.5°	593.1	494.7	355.4	367.4	331.4	379.4	446.6	499.5	453.8	429.8	429.8
15°	681.9	585.9	398.6	321.8	326.6	379.4	338.6	473.0	489.8	494.7	494.7
17.5°	612.3	516.3	365.0	331.4	365.0	312.2	381.8	434.6	415.4	393.8	391.4
20°	734.8	609.9	408.2	324.2	321.8	369.8	338.6	355.4	444.2	446.6	444.2
22.5°	571.5	487.4	362.6	367.4	321.8	353.0	333.8	367.4	350.6	348.2	350.6
25°	792.4	631.5	417.8	317.0	336.2	312.2	336.2	309.8	372.2	377.0	379.4
27.5°	970.1	754.0	444.2	343.4	292.9	319.4	300.2	309.8	288.1	300.2	305.0
30°	1155.0	878.8	542.7	379.4	309.8	273.7	278.5	276.1	312.2	309.8	305.0
32.5°	1215.0	895.7	518.7	396.2	307.4	276.1	254.5	271.3	297.8	319.4	321.8
35°	1275.0	907.7	499.5	379.4	300.2	259.3	249.7	278.5	300.2	302.6	309.8
37.5°	1344.7	917.3	480.2	355.4	278.5	254.5	247.3	259.3	307.4	302.6	295.3
40°	1409.5	922.1	456.2	333.8	254.5	249.7	230.5	259.3	271.3	280.9	285.7
42.5°	1524.8	950.9	437.0	314.6	237.7	237.7	220.9	242.5	278.5	283.3	280.9
45°	1608.8	941.3	410.6	297.8	220.9	211.3	216.1	264.1	280.9	309.8	305.0
47.5°	1728.9	965.3	379.4	271.3	206.5	194.5	204.1	256.9	288.1	309.8	314.6
50°	1846.5	960.5	353.0	249.7	196.9	184.9	225.7	249.7	283.3	319.4	319.4
52.5°	2000.2	967.7	341.0	230.5	184.9	184.9	232.9	252.1	290.5	314.6	314.6
55°	2137.1	941.3	312.2	223.3	182.5	177.7	235.3	261.7	292.9	314.6	317.0
57.5°	2237.9	888.4	290.5	216.1	180.1	182.5	235.3	283.3	273.7	314.6	321.8
60°	2348.4	830.8	271.3	216.1	180.1	189.7	242.5	300.2	300.2	329.0	329.0
62.5°	2499.7	794.8	261.7	218.5	175.3	196.9	264.1	326.6	302.6	348.2	350.6
65°	2626.9	746.8	254.5	228.1	177.7	206.5	276.1	348.2	317.0	369.8	367.4
67.5°	2629.3	674.7	244.9	237.7	180.1	213.7	276.1	362.6	333.8	389.0	381.8
70°	2514.1	602.7	230.5	237.7	187.3	220.9	276.1	372.2	336.2	420.2	413.0
72.5°	2266.7	492.2	208.9	228.1	199.3	230.5	290.5	369.8	336.2	453.8	446.6
75°	1928.2	393.8	180.1	208.9	199.3	242.5	300.2	367.4	324.2	432.2	417.8
77.5°	1467.1	321.8	151.3	182.5	189.7	247.3	300.2	362.6	314.6	403.4	393.8
80°	756.4	225.7	122.5	156.1	177.7	242.5	297.8	343.4	280.9	357.8	353.0
82.5°	415.4	165.7	98.4	115.3	148.9	228.1	288.1	309.8	247.3	292.9	280.9
85°	268.9	120.1	79.2	93.6	124.9	189.7	242.5	244.9	175.3	211.3	199.3
87.5°	201.7	69.6	50.4	57.6	86.4	105.7	153.7	158.5	110.5	129.7	122.5
90°	211.3	69.6	52.8	60.0	76.8	79.2	112.9	120.1	86.4	98.4	98.4
92.5°	225.7	69.6	55.2	62.4	69.6	62.4	88.8	98.4	72.0	79.2	76.8
95°	230.5	67.2	60.0	64.8	62.4	50.4	72.0	79.2	60.0	60.0	60.0
97.5°	168.1	48.0	60.0	64.8	57.6	40.8	55.2	62.4	38.4	31.2	31.2
100°	45.6	24.0	57.6	62.4	50.4	33.6	48.0	48.0	24.0	16.8	16.8
102.5°	19.2	19.2	50.4	55.2	38.4	21.6	33.6	33.6	16.8	7.2	7.2
105°	19.2	14.4	36.0	40.8	26.4	12.0	16.8	19.2	12.0	7.2	7.2
107.5°	19.2	14.4	16.8	21.6	12.0	9.6	9.6	9.6	7.2	7.2	7.2



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CATALOG NUMBER: SDL-PA1-60-750-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.0	16.8	9.6	12.0	9.6	7.2	7.2	7.2	9.6	21.6	21.6
115°	21.6	14.4	9.6	9.6	7.2	7.2	4.8	4.8	9.6	26.4	26.4
117.5°	24.0	16.8	9.6	9.6	7.2	4.8	4.8	4.8	12.0	31.2	31.2
120°	28.8	19.2	9.6	7.2	4.8	4.8	4.8	4.8	14.4	33.6	33.6
122.5°	31.2	21.6	9.6	7.2	4.8	2.4	4.8	7.2	16.8	33.6	33.6
125°	26.4	19.2	9.6	7.2	4.8	2.4	4.8	7.2	16.8	31.2	33.6
127.5°	24.0	16.8	9.6	4.8	4.8	2.4	2.4	7.2	14.4	24.0	28.8
130°	19.2	14.4	7.2	4.8	4.8	2.4	2.4	4.8	14.4	21.6	26.4
132.5°	16.8	12.0	7.2	4.8	4.8	2.4	2.4	4.8	14.4	19.2	19.2
135°	12.0	9.6	4.8	4.8	4.8	2.4	4.8	2.4	9.6	16.8	16.8
137.5°	7.2	4.8	4.8	4.8	4.8	2.4	2.4	2.4	7.2	9.6	9.6
140°	2.4	2.4	4.8	4.8	4.8	2.4	2.4	2.4	4.8	4.8	4.8
142.5°	2.4	2.4	4.8	4.8	4.8	2.4	2.4	2.4	4.8	4.8	4.8
145°	2.4	2.4	2.4	4.8	4.8	2.4	2.4	2.4	2.4	2.4	4.8
147.5°	2.4	2.4	2.4	4.8	2.4	2.4	2.4	2.4	2.4	2.4	4.8
150°	2.4	2.4	2.4	4.8	4.8	2.4	2.4	4.8	4.8	4.8	4.8
152.5°	2.4	2.4	4.8	4.8	2.4	2.4	2.4	4.8	4.8	4.8	4.8
155°	7.2	7.2	4.8	4.8	2.4	2.4	0.0	2.4	4.8	4.8	4.8
157.5°	2.4	2.4	4.8	2.4	2.4	2.4	0.0	2.4	2.4	2.4	2.4
160°	2.4	2.4	2.4	2.4	2.4	2.4	0.0	2.4	2.4	2.4	2.4
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°	24.0	24.0	4.8	7.2	7.2	7.2	4.8	7.2	12.0	16.8	24.0
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110°	21.6	14.4	9.6	12.0	9.6	7.2	7.2	7.2	7.2	9.6	12.0
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(END OF REPORT)