

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: P560578

Luminaire Tested: **SDL-PA1-50-750-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560578
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-PA1-50-750-U-T2R-A
Description: Springdale
(1) 70 CRI, 5000K, 670mA 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: 5274.2 lumens
Efficiency: N/A
Efficacy: 100.7 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): 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

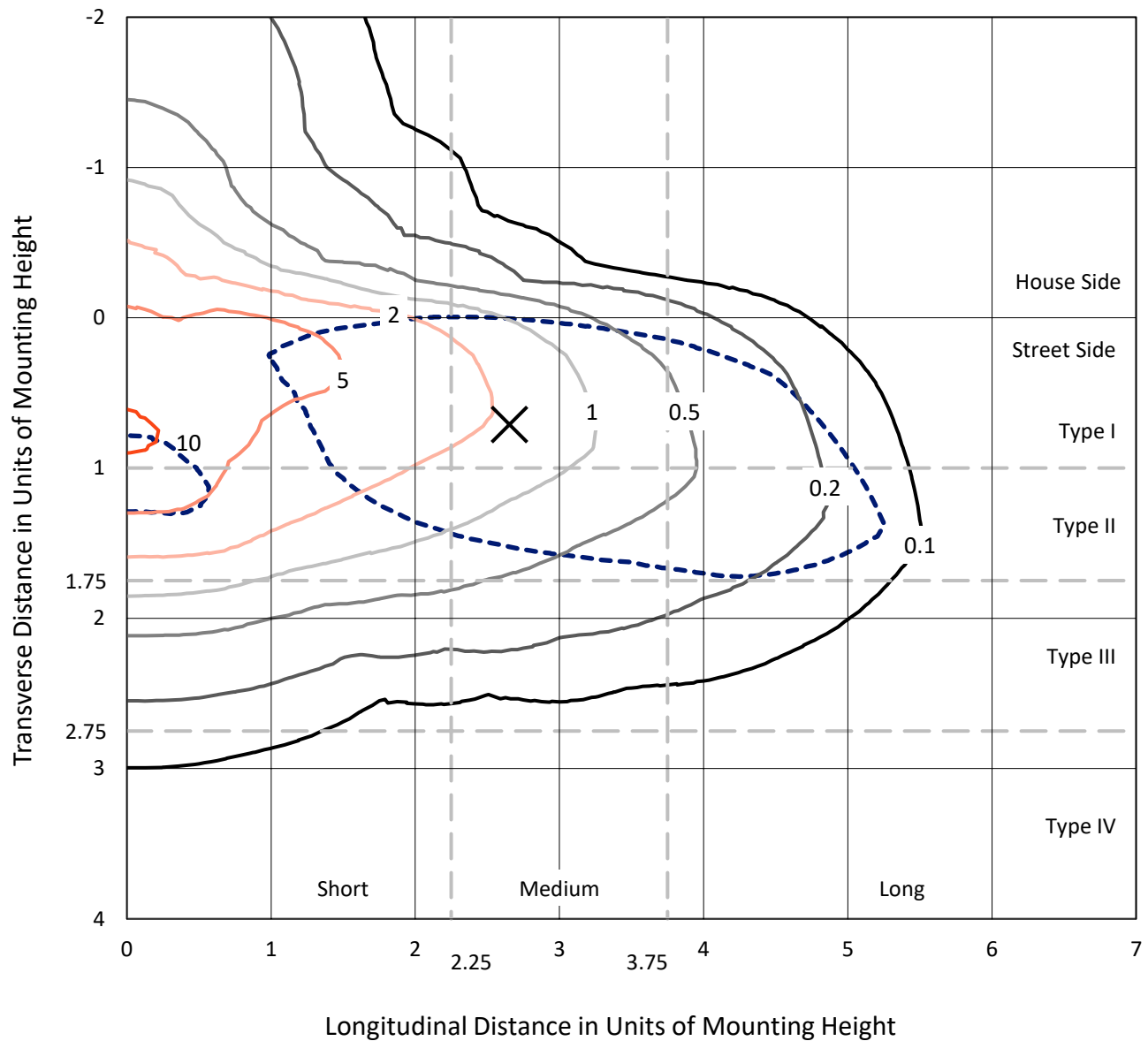


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

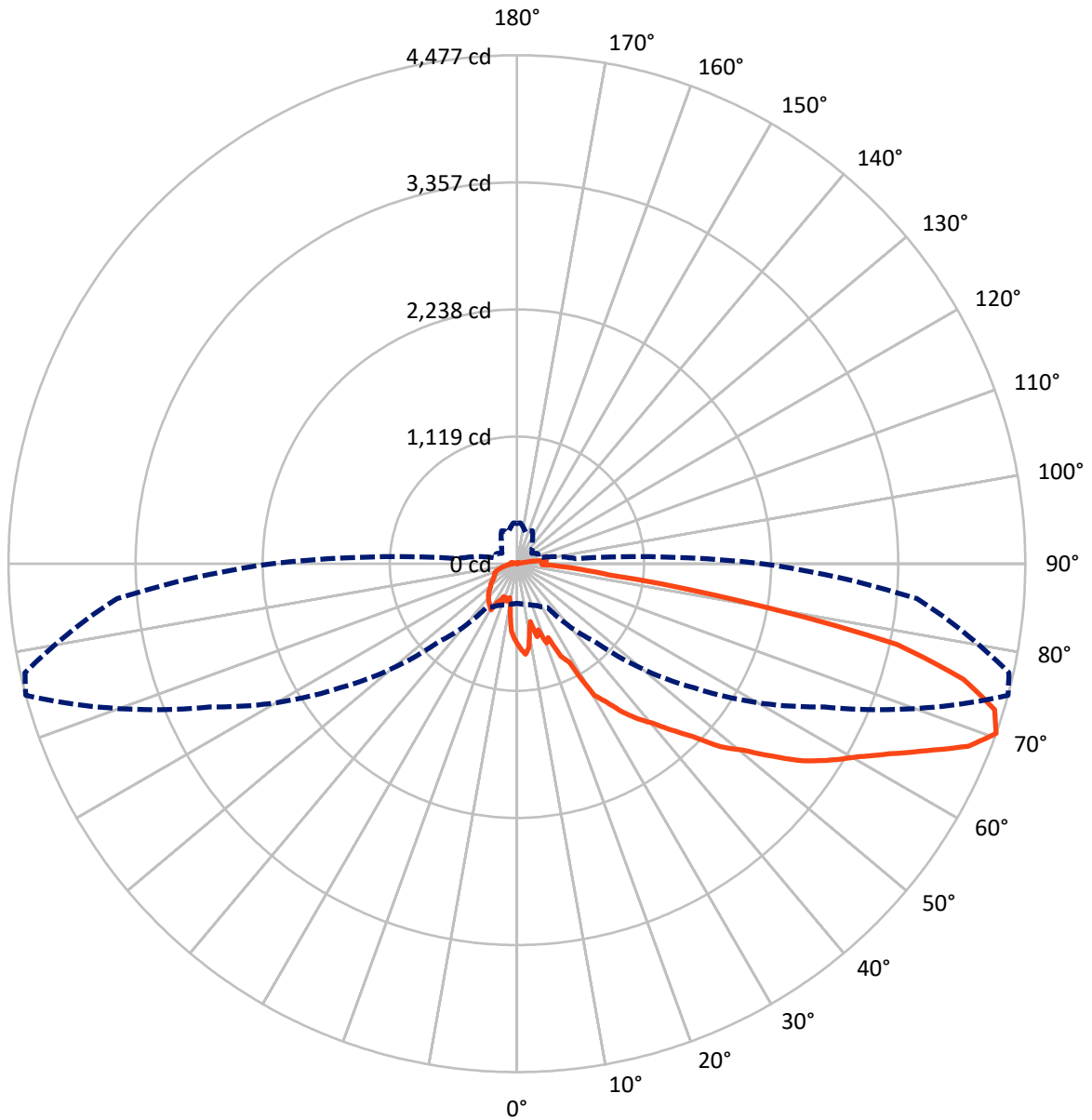


Based on 10 foot mounting height. Maximum calculated value = 11 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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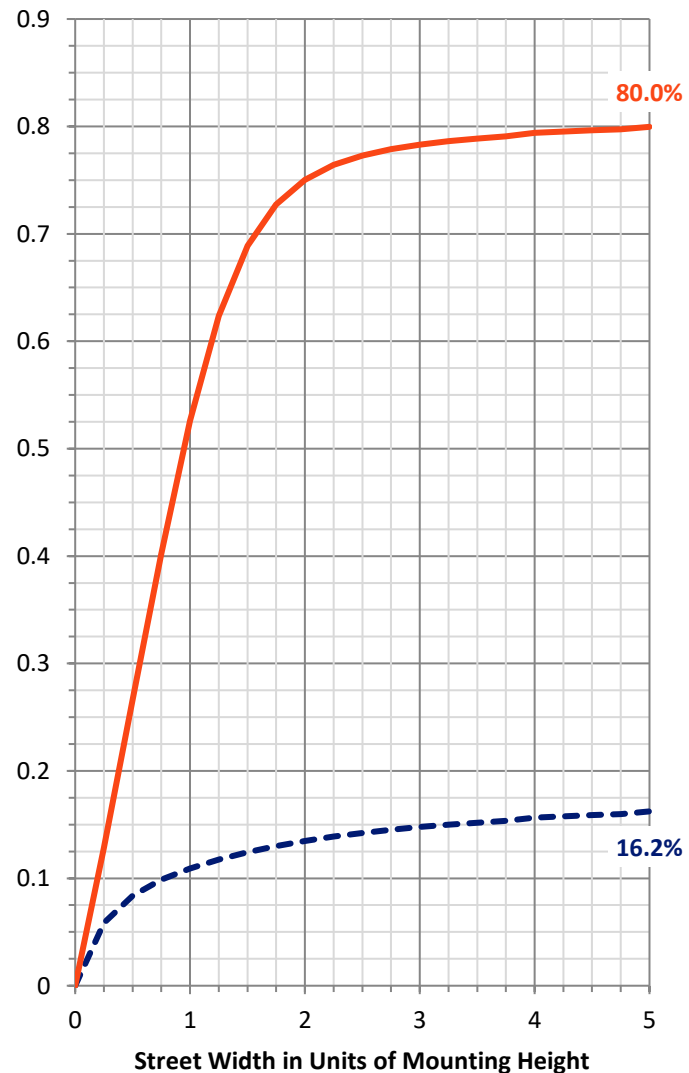
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	901.6	53.9	955.5
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	4250.4	68.2	4318.6
	% Fixture	80.6	1.3	81.9
Total	Lumens	5152.0	122.1	5274.2
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.9	1.1
10°-20°	153.8	2.9
20°-30°	277.7	5.3
30°-40°	567.5	10.8
40°-50°	891.2	16.9
50°-60°	1094.4	20.7
60°-70°	1088.4	20.6
70°-80°	805.0	15.3
80°-90°	215.1	4.1
90°-100°	79.5	1.5
100°-110°	18.6	0.4
110°-120°	8.8	0.2
120°-130°	7.8	0.1
130°-140°	3.8	0.1
140°-150°	1.9	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5152.0	97.7
0°-180°	5274.2	100.0

Coefficient of Utilization



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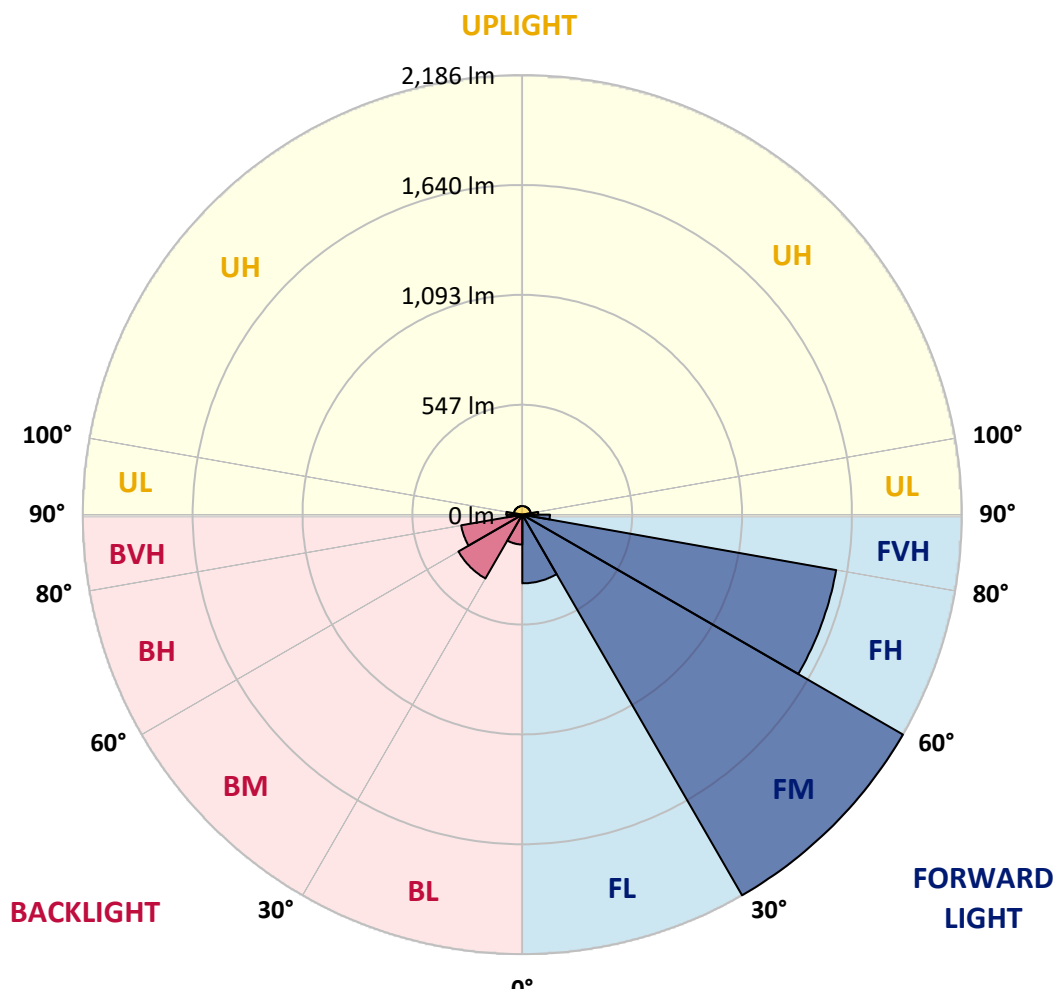
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	341.8	6.5			
FM	(30°-60°)	2186.2	41.5			
FH	(60°-80°)	1585.0	30.1			G1/1800
FVH	(80°-90°)	137.3	2.6			G2/225
BL	(0°-30°)	148.6	2.8	B1/500		
BM	(30°-60°)	366.9	7.0	B1/1000		
BH	(60°-80°)	308.4	5.8	B1/500		G1/500
BVH	(80°-90°)	77.8	1.5			G1/100
UL	(90°-100°)	79.5	1.5		U3/500	
UH	(100°-180°)	42.6	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°	706.9	706.9	706.9	706.9	706.9	706.9	706.9	706.9	706.9	706.9	706.9
2.5°	733.7	775.0	793.5	814.1	832.7	822.4	805.9	781.1	758.5	750.2	725.5
5°	810.0	805.9	803.8	797.6	787.3	768.8	746.1	834.7	799.7	785.3	744.0
7.5°	713.1	826.5	838.9	851.2	847.1	824.4	795.6	715.2	746.1	727.6	676.0
10°	871.8	871.8	867.7	871.8	824.4	787.3	674.0	626.6	603.9	653.4	606.0
12.5°	742.0	807.9	890.4	906.9	834.7	731.7	684.3	661.6	521.4	515.3	552.4
15°	863.6	873.9	876.0	880.1	711.1	766.7	632.7	587.4	665.7	647.2	653.4
17.5°	694.6	704.9	838.9	830.6	764.7	612.1	739.9	663.7	612.1	589.5	581.2
20°	873.9	876.0	869.8	702.8	737.9	799.7	692.5	671.9	746.1	744.0	713.1
22.5°	744.0	746.1	768.8	847.1	762.6	807.9	696.6	838.9	706.9	709.0	550.3
25°	995.5	997.6	976.9	754.3	857.4	758.5	845.0	754.3	902.7	873.9	805.9
27.5°	1045.0	968.7	890.4	935.7	818.2	941.9	803.8	913.1	981.1	974.9	985.2
30°	1325.3	1329.4	1275.8	1024.3	958.4	929.5	927.5	1084.1	1343.8	1354.1	1183.1
32.5°	1795.2	1770.5	1506.6	1263.4	1032.6	1133.6	1040.8	1255.2	1453.0	1446.9	1267.6
35°	2009.5	1984.8	1885.9	1560.2	1193.4	1224.3	1174.8	1335.6	1603.5	1556.1	1352.1
37.5°	2190.9	2186.8	2104.3	1718.9	1356.2	1401.5	1255.2	1434.5	1733.4	1683.9	1438.6
40°	2347.6	2333.1	2261.0	1861.1	1523.1	1525.2	1356.2	1554.0	1848.8	1861.1	1523.1
42.5°	2477.4	2465.0	2405.3	2003.4	1622.1	1634.4	1463.4	1675.6	2003.4	2026.0	1655.0
45°	2531.0	2537.2	2495.9	2131.1	1710.7	1733.4	1591.1	1799.3	2168.2	2186.8	1772.5
47.5°	2570.1	2572.2	2561.9	2236.3	1805.5	1815.8	1716.9	1910.6	2407.3	2370.2	1910.6
50°	2481.5	2473.3	2483.6	2316.6	1887.9	1900.3	1822.0	2026.0	2578.4	2531.0	2054.9
52.5°	2248.6	2258.9	2366.1	2275.4	1914.7	1939.5	1920.9	2127.0	2815.4	2778.3	2261.0
55°	1663.3	1708.6	2017.8	2106.4	1912.7	1955.9	2011.6	2318.7	3064.8	3009.2	2436.2
57.5°	1345.9	1345.9	1527.2	1817.9	1807.6	1945.6	2104.3	2448.5	3262.7	3223.5	2611.4
60°	1080.0	1080.0	1178.9	1442.7	1603.5	1894.1	2199.2	2640.2	3450.2	3427.5	2765.9
62.5°	847.1	845.0	927.5	1075.9	1315.0	1780.8	2248.6	2805.1	3685.2	3681.1	3013.3
65°	612.1	620.4	690.5	783.2	1032.6	1568.5	2246.6	2953.5	3967.5	3979.9	3291.5
67.5°	453.4	457.6	496.7	564.7	709.0	1300.5	2147.6	3056.6	4287.0	4266.4	3468.8
70°	348.3	354.5	371.0	406.0	472.0	966.6	1908.5	2984.4	4476.6	4437.5	3534.7
72.5°	292.7	294.7	292.7	311.2	315.3	655.4	1529.3	2710.3	4398.3	4336.5	3353.3
75°	249.4	247.3	245.3	249.4	232.9	432.8	1096.5	2294.0	4060.3	3953.1	2961.7
77.5°	214.4	212.3	204.0	206.1	185.5	319.5	748.2	1799.3	3421.4	3169.9	2225.9
80°	177.3	177.3	171.1	171.1	156.6	243.2	478.2	1240.8	1993.0	1793.1	1158.3
82.5°	138.1	136.0	136.0	140.2	134.0	189.6	313.3	618.3	822.4	770.8	542.1
85°	74.2	74.2	84.5	94.8	92.7	115.4	239.1	364.8	486.4	469.9	303.0
87.5°	22.7	22.7	24.7	30.9	33.0	61.8	150.5	177.3	220.5	243.2	239.1
90°	24.7	22.7	16.5	18.5	20.6	45.3	140.2	171.1	222.6	247.3	253.5
92.5°	28.9	26.8	16.5	16.5	20.6	37.1	134.0	166.9	243.2	267.9	274.1
95°	30.9	28.9	16.5	16.5	20.6	33.0	119.5	164.9	259.7	292.7	292.7
97.5°	28.9	26.8	12.4	14.4	18.5	28.9	92.7	136.0	181.4	199.9	230.8
100°	24.7	24.7	8.2	12.4	16.5	20.6	53.6	74.2	53.6	51.5	51.5
102.5°	22.7	22.7	8.2	10.3	12.4	14.4	24.7	39.2	12.4	14.4	18.5
105°	22.7	24.7	6.2	8.2	8.2	8.2	12.4	20.6	10.3	12.4	18.5
107.5°	22.7	24.7	6.2	6.2	8.2	6.2	6.2	8.2	10.3	12.4	20.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	14.4	14.4	4.1	6.2	6.2	6.2	4.1	6.2	10.3	14.4	20.6
115°	10.3	8.2	4.1	6.2	4.1	6.2	4.1	6.2	10.3	14.4	18.5
117.5°	8.2	6.2	4.1	4.1	4.1	4.1	2.1	6.2	12.4	16.5	22.7
120°	8.2	8.2	4.1	4.1	4.1	4.1	2.1	6.2	18.5	20.6	28.9
122.5°	8.2	8.2	4.1	4.1	4.1	4.1	2.1	4.1	16.5	22.7	30.9
125°	8.2	8.2	4.1	4.1	4.1	4.1	2.1	4.1	14.4	20.6	26.8
127.5°	8.2	8.2	4.1	2.1	4.1	4.1	4.1	4.1	12.4	16.5	22.7
130°	8.2	8.2	4.1	2.1	4.1	4.1	4.1	4.1	10.3	12.4	18.5
132.5°	6.2	6.2	4.1	2.1	4.1	2.1	2.1	4.1	8.2	10.3	14.4
135°	4.1	4.1	4.1	2.1	4.1	2.1	2.1	2.1	4.1	6.2	10.3
137.5°	2.1	4.1	2.1	2.1	4.1	2.1	2.1	2.1	2.1	2.1	4.1
140°	2.1	2.1	2.1	2.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1
142.5°	2.1	2.1	2.1	2.1	4.1	4.1	2.1	2.1	2.1	2.1	2.1
145°	2.1	2.1	2.1	2.1	6.2	4.1	2.1	2.1	2.1	2.1	2.1
147.5°	2.1	2.1	2.1	8.2	6.2	4.1	2.1	2.1	2.1	2.1	2.1
150°	10.3	10.3	10.3	8.2	6.2	4.1	6.2	2.1	2.1	2.1	2.1
152.5°	10.3	10.3	12.4	6.2	4.1	2.1	2.1	8.2	6.2	4.1	4.1
155°	8.2	6.2	6.2	2.1	2.1	2.1	2.1	2.1	6.2	8.2	8.2
157.5°	2.1	2.1	4.1	2.1	2.1	2.1	2.1	2.1	4.1	2.1	2.1
160°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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°	706.9	706.9	706.9	706.9	706.9	706.9	706.9	706.9	706.9	706.9	706.9
2.5°	711.1	694.6	655.4	626.6	591.5	560.6	533.8	474.0	463.7	457.6	455.5
5°	711.1	676.0	599.8	507.0	434.9	418.4	410.2	410.2	406.0	408.1	410.2
7.5°	630.7	583.3	467.9	395.7	408.1	408.1	410.2	399.8	366.9	371.0	364.8
10°	552.4	492.6	352.4	321.5	352.4	354.5	401.9	420.5	426.6	428.7	428.7
12.5°	509.1	424.6	305.0	315.3	284.4	325.6	383.4	428.7	389.5	368.9	368.9
15°	585.3	502.9	342.1	276.2	280.3	325.6	290.6	406.0	420.5	424.6	424.6
17.5°	525.6	443.1	313.3	284.4	313.3	267.9	327.7	373.1	356.6	338.0	336.0
20°	630.7	523.5	350.4	278.2	276.2	317.4	290.6	305.0	381.3	383.4	381.3
22.5°	490.5	418.4	311.2	315.3	276.2	303.0	286.5	315.3	300.9	298.9	300.9
25°	680.2	542.1	358.6	272.1	288.5	267.9	288.5	265.9	319.5	323.6	325.6
27.5°	832.7	647.2	381.3	294.7	251.4	274.1	257.6	265.9	247.3	257.6	261.8
30°	991.4	754.3	465.8	325.6	265.9	235.0	239.1	237.0	267.9	265.9	261.8
32.5°	1042.9	768.8	445.2	340.1	263.8	237.0	218.5	232.9	255.6	274.1	276.2
35°	1094.4	779.1	428.7	325.6	257.6	222.6	214.4	239.1	257.6	259.7	265.9
37.5°	1154.2	787.3	412.2	305.0	239.1	218.5	212.3	222.6	263.8	259.7	253.5
40°	1209.8	791.4	391.6	286.5	218.5	214.4	197.9	222.6	232.9	241.1	245.3
42.5°	1308.8	816.2	375.1	270.0	204.0	204.0	189.6	208.2	239.1	243.2	241.1
45°	1380.9	807.9	352.4	255.6	189.6	181.4	185.5	226.7	241.1	265.9	261.8
47.5°	1484.0	828.5	325.6	232.9	177.3	166.9	175.2	220.5	247.3	265.9	270.0
50°	1585.0	824.4	303.0	214.4	169.0	158.7	193.7	214.4	243.2	274.1	274.1
52.5°	1716.9	830.6	292.7	197.9	158.7	158.7	199.9	216.4	249.4	270.0	270.0
55°	1834.3	807.9	267.9	191.7	156.6	152.5	202.0	224.7	251.4	270.0	272.1
57.5°	1920.9	762.6	249.4	185.5	154.6	156.6	202.0	243.2	235.0	270.0	276.2
60°	2015.7	713.1	232.9	185.5	154.6	162.8	208.2	257.6	257.6	282.4	282.4
62.5°	2145.6	682.2	224.7	187.6	150.5	169.0	226.7	280.3	259.7	298.9	300.9
65°	2254.8	641.0	218.5	195.8	152.5	177.3	237.0	298.9	272.1	317.4	315.3
67.5°	2256.9	579.2	210.2	204.0	154.6	183.4	237.0	311.2	286.5	333.9	327.7
70°	2157.9	517.3	197.9	204.0	160.8	189.6	237.0	319.5	288.5	360.7	354.5
72.5°	1945.6	422.5	179.3	195.8	171.1	197.9	249.4	317.4	288.5	389.5	383.4
75°	1655.0	338.0	154.6	179.3	171.1	208.2	257.6	315.3	278.2	371.0	358.6
77.5°	1259.3	276.2	129.8	156.6	162.8	212.3	257.6	311.2	270.0	346.3	338.0
80°	649.2	193.7	105.1	134.0	152.5	208.2	255.6	294.7	241.1	307.1	303.0
82.5°	356.6	142.2	84.5	98.9	127.8	195.8	247.3	265.9	212.3	251.4	241.1
85°	230.8	103.1	68.0	80.4	107.2	162.8	208.2	210.2	150.5	181.4	171.1
87.5°	173.1	59.8	43.3	49.5	74.2	90.7	131.9	136.0	94.8	111.3	105.1
90°	181.4	59.8	45.3	51.5	66.0	68.0	96.9	103.1	74.2	84.5	84.5
92.5°	193.7	59.8	47.4	53.6	59.8	53.6	76.3	84.5	61.8	68.0	66.0
95°	197.9	57.7	51.5	55.6	53.6	43.3	61.8	68.0	51.5	51.5	51.5
97.5°	144.3	41.2	51.5	55.6	49.5	35.0	47.4	53.6	33.0	26.8	26.8
100°	39.2	20.6	49.5	53.6	43.3	28.9	41.2	41.2	20.6	14.4	14.4
102.5°	16.5	16.5	43.3	47.4	33.0	18.5	28.9	28.9	14.4	6.2	6.2
105°	16.5	12.4	30.9	35.0	22.7	10.3	14.4	16.5	10.3	6.2	6.2
107.5°	16.5	12.4	14.4	18.5	10.3	8.2	8.2	8.2	6.2	6.2	6.2



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CATALOG NUMBER: SDL-PA1-50-750-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.6	14.4	8.2	10.3	8.2	6.2	6.2	6.2	8.2	18.5	18.5
115°	18.5	12.4	8.2	8.2	6.2	6.2	4.1	4.1	8.2	22.7	22.7
117.5°	20.6	14.4	8.2	8.2	6.2	4.1	4.1	4.1	10.3	26.8	26.8
120°	24.7	16.5	8.2	6.2	4.1	4.1	4.1	4.1	12.4	28.9	28.9
122.5°	26.8	18.5	8.2	6.2	4.1	2.1	4.1	6.2	14.4	28.9	28.9
125°	22.7	16.5	8.2	6.2	4.1	2.1	4.1	6.2	14.4	26.8	28.9
127.5°	20.6	14.4	8.2	4.1	4.1	2.1	2.1	6.2	12.4	20.6	24.7
130°	16.5	12.4	6.2	4.1	4.1	2.1	2.1	4.1	12.4	18.5	22.7
132.5°	14.4	10.3	6.2	4.1	4.1	2.1	2.1	4.1	12.4	16.5	16.5
135°	10.3	8.2	4.1	4.1	4.1	2.1	4.1	2.1	8.2	14.4	14.4
137.5°	6.2	4.1	4.1	4.1	4.1	2.1	2.1	2.1	6.2	8.2	8.2
140°	2.1	2.1	4.1	4.1	4.1	2.1	2.1	2.1	4.1	4.1	4.1
142.5°	2.1	2.1	4.1	4.1	4.1	2.1	2.1	2.1	4.1	4.1	4.1
145°	2.1	2.1	2.1	4.1	4.1	2.1	2.1	2.1	2.1	2.1	4.1
147.5°	2.1	2.1	2.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1
150°	2.1	2.1	2.1	4.1	4.1	2.1	2.1	4.1	4.1	4.1	4.1
152.5°	2.1	2.1	4.1	4.1	2.1	2.1	2.1	4.1	4.1	4.1	4.1
155°	6.2	6.2	4.1	4.1	2.1	2.1	0.0	2.1	4.1	4.1	4.1
157.5°	2.1	2.1	4.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1
160°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1
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°	20.6	20.6	4.1	6.2	6.2	6.2	4.1	6.2	10.3	14.4	20.6
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110°	18.5	12.4	8.2	10.3	8.2	6.2	6.2	6.2	6.2	8.2	10.3
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(END OF REPORT)