

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: P561102

Luminaire Tested: **SDL-PA1-80-750-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561102
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-750-U-SL3-A
Description: Springdale
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8681.8 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - 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

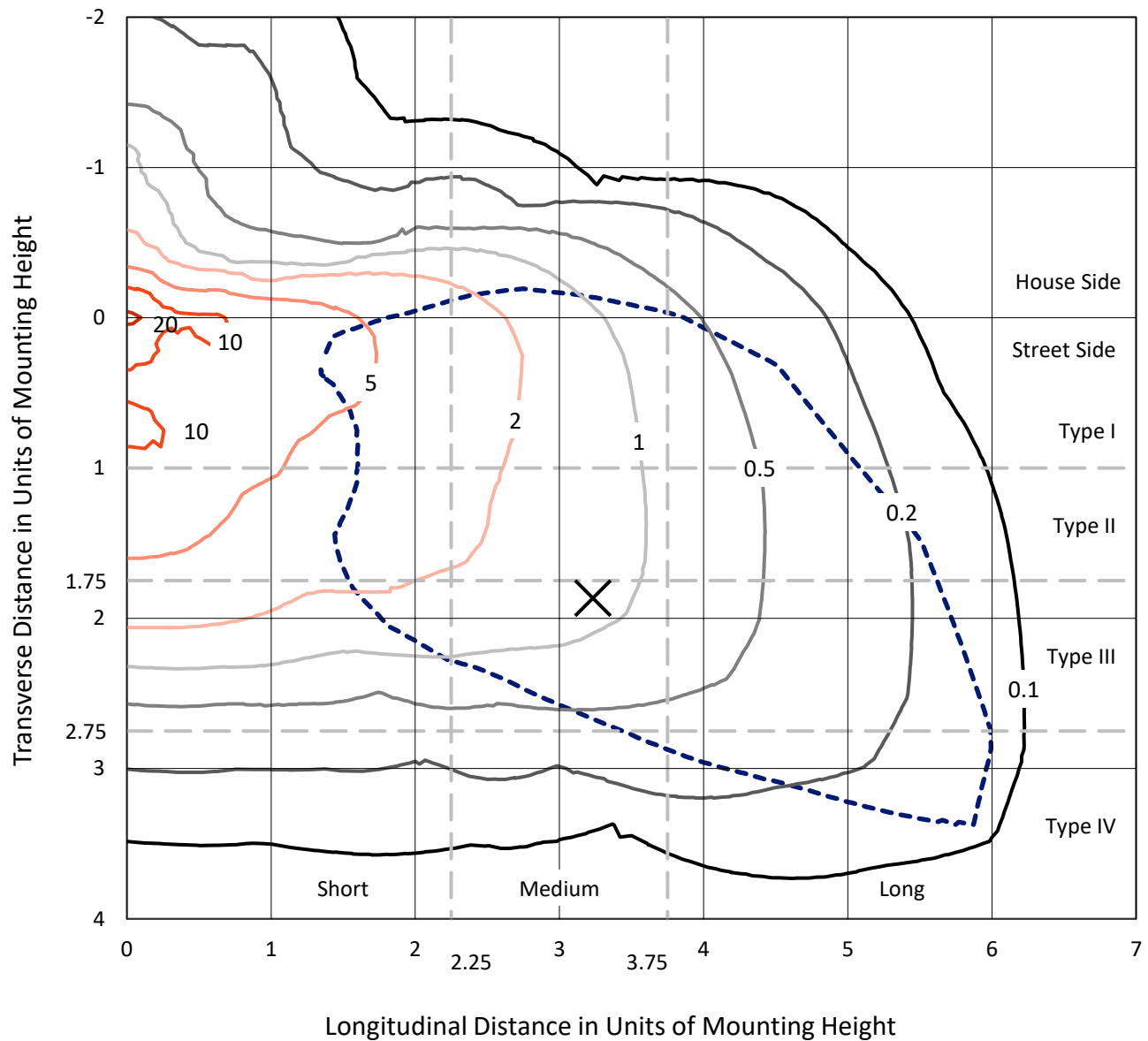


REPORT NUMBER: P561102

CATALOG NUMBER: SDL-PA1-80-750-U-SL3-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

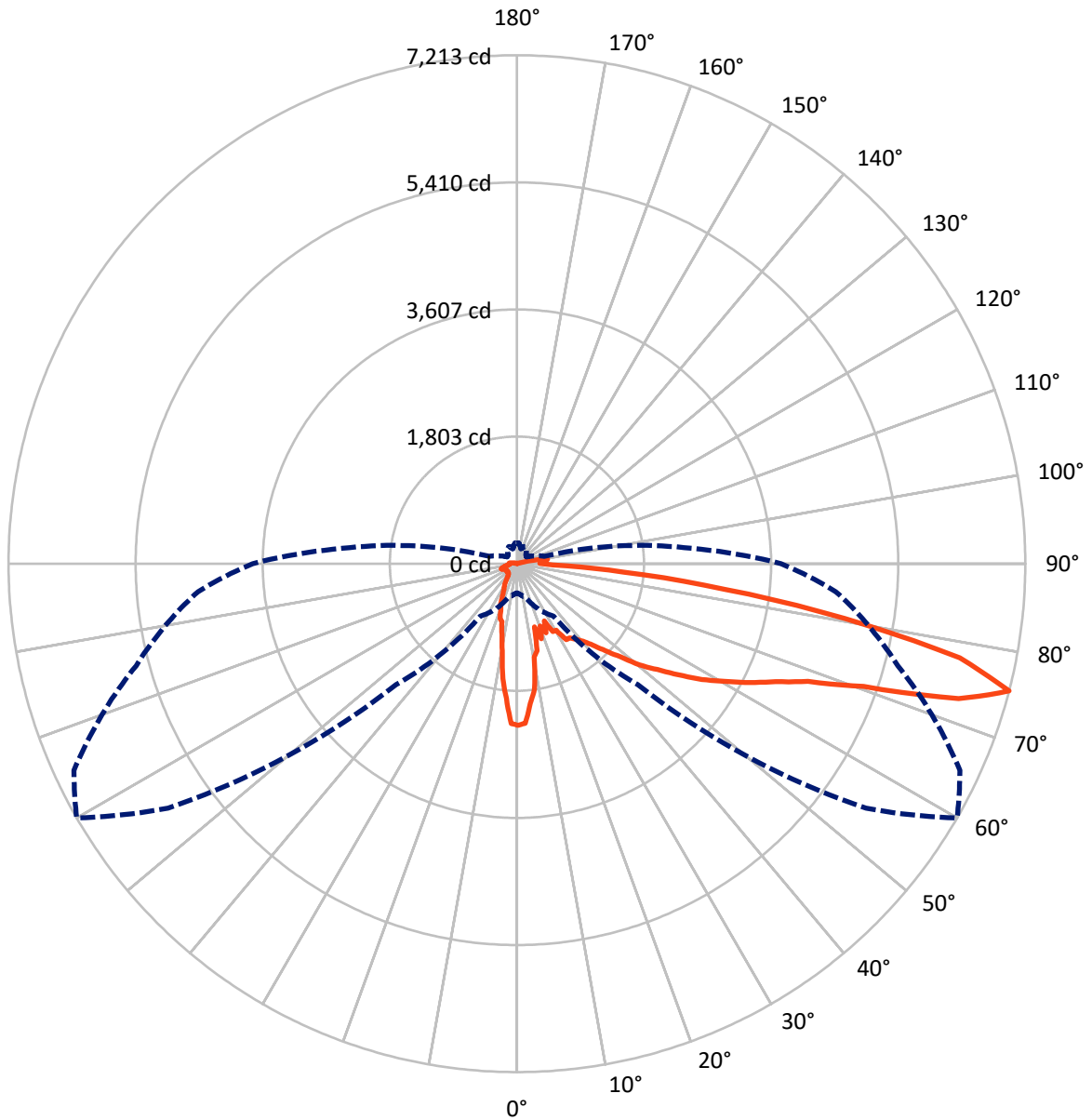


Based on 10 foot mounting height. Maximum calculated value = 22.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P561102

CATALOG NUMBER: SDL-PA1-80-750-U-SL3-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P561102

CATALOG NUMBER: SDL-PA1-80-750-U-SL3-A

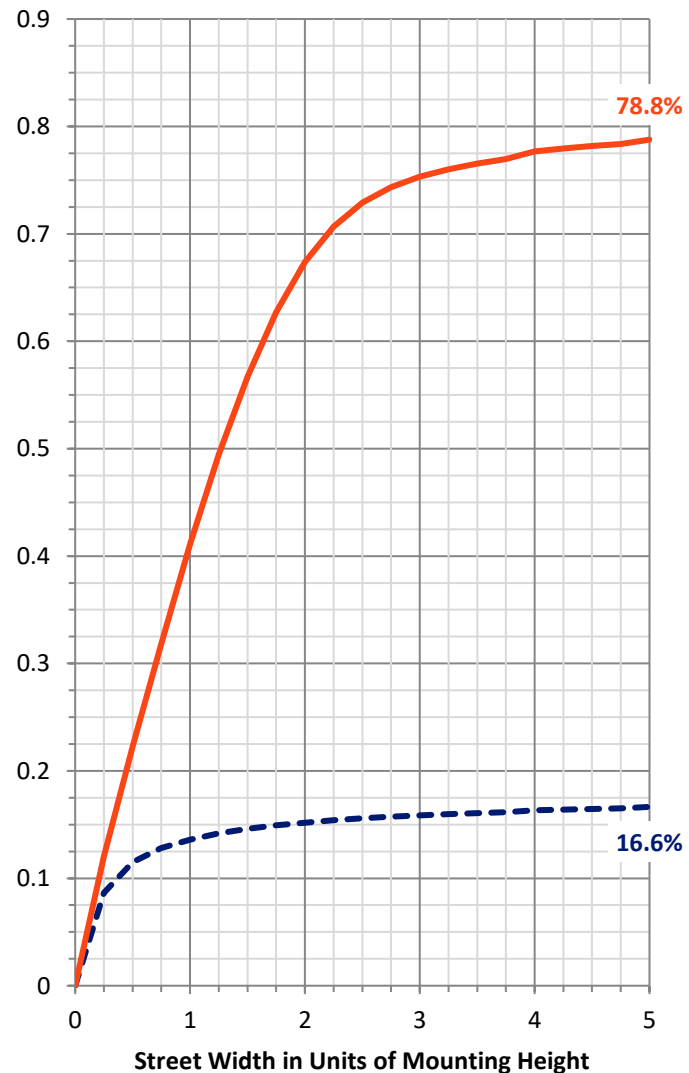
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1524.1	115.6	1639.7
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	6919.9	122.2	7042.1
	% Fixture	79.7	1.4	81.1
Total	Lumens	8444.0	237.8	8681.8
	% Fixture	97.3	2.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.7	1.9
10°-20°	300.2	3.5
20°-30°	389.1	4.5
30°-40°	648.4	7.5
40°-50°	1038.2	12.0
50°-60°	1594.0	18.4
60°-70°	1991.7	22.9
70°-80°	1816.6	20.9
80°-90°	497.1	5.7
90°-100°	166.9	1.9
100°-110°	37.9	0.4
110°-120°	12.0	0.1
120°-130°	11.2	0.1
130°-140°	5.3	0.1
140°-150°	2.2	0.0
150°-160°	2.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8444.0	97.3
0°-180°	8681.8	100.0



REPORT NUMBER: P561102

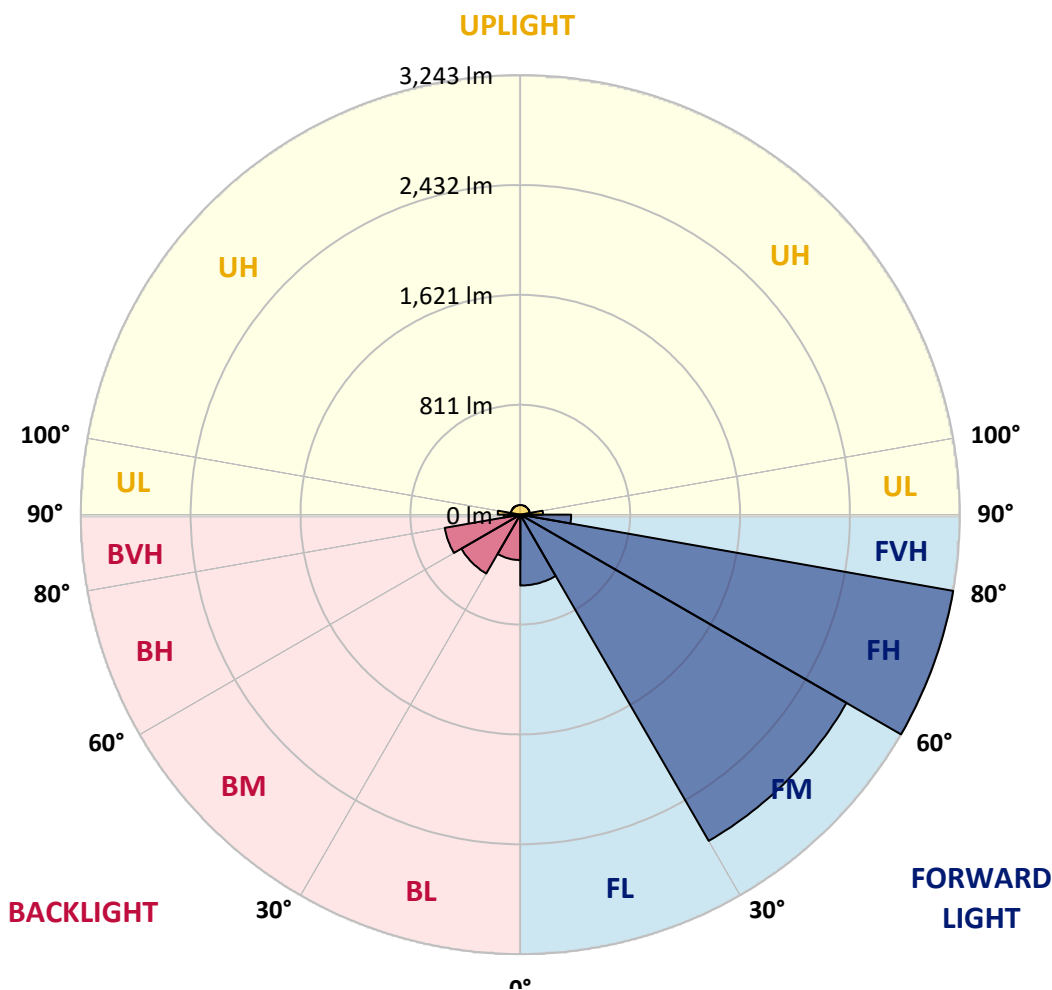
CATALOG NUMBER: SDL-PA1-80-750-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	523.0	6.0			
FM	(30°-60°)	2779.1	32.0			
FH	(60°-80°)	3242.7	37.4			G2/5000
FVH	(80°-90°)	375.1	4.3			G3/500
BL	(0°-30°)	335.1	3.9	B1/500		
BM	(30°-60°)	501.6	5.8	B1/1000		
BH	(60°-80°)	565.5	6.5	B2/1000		G2/1000
BVH	(80°-90°)	122.0	1.4			G2/225
UL	(90°-100°)	166.9	1.9		U3/500	
UH	(100°-180°)	70.9	0.8		U3/500	

BUG Rating: B2-U3-G3

Type III Medium





REPORT NUMBER: P561102

CATALOG NUMBER: SDL-PA1-80-750-U-SL3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7
2.5°	1923.6	2103.1	2086.1	2225.0	2225.0	2255.5	2269.0	2265.6	2279.2	2292.7	2289.3
5°	1771.2	1774.6	1788.1	1818.6	1828.8	1838.9	1872.8	1991.3	2191.1	2238.5	2238.5
7.5°	1463.0	1544.3	1645.9	1662.8	1723.8	1754.3	1791.5	1798.3	1662.8	1906.7	1930.4
10°	1483.3	1486.7	1479.9	1517.2	1473.2	1456.2	1337.7	1344.5	1358.0	1449.5	1632.3
12.5°	1161.6	1229.3	1375.0	1442.7	1334.3	1215.8	1209.0	1266.6	1290.3	1154.8	1439.3
15°	1327.5	1334.3	1337.7	1341.1	995.7	1154.8	1009.2	927.9	1039.7	1310.6	1490.1
17.5°	1039.7	1046.5	1205.6	1202.2	1097.3	887.3	1097.3	1121.0	1076.9	1114.2	1246.3
20°	1219.2	1222.6	1212.4	941.5	961.8	1087.1	944.9	941.5	995.7	1283.5	1449.5
22.5°	1002.4	988.9	985.5	1076.9	978.7	1046.5	917.8	1063.4	1154.8	1144.7	1093.9
25°	1256.4	1253.0	1202.2	938.1	1002.4	887.3	1073.6	900.8	999.0	1385.1	1449.5
27.5°	1175.1	1127.7	1043.1	1083.7	934.7	1039.7	955.0	1090.5	1151.4	1422.4	1679.8
30°	1520.6	1486.7	1388.5	1093.9	1032.9	958.4	1022.8	1093.9	1310.6	1832.1	1920.2
32.5°	2008.3	1971.0	1618.8	1341.1	1083.7	1134.5	1076.9	1283.5	1446.1	1869.4	1937.1
35°	2157.3	2106.5	1933.7	1625.6	1242.9	1205.6	1148.1	1293.7	1466.4	1967.6	1967.6
37.5°	2241.9	2238.5	2157.3	1794.9	1402.1	1381.7	1236.1	1358.0	1547.7	2062.4	2042.1
40°	2255.5	2272.4	2309.7	1943.9	1591.7	1547.7	1351.3	1446.1	1662.8	2177.6	2136.9
42.5°	2367.2	2397.7	2482.4	2140.3	1781.3	1740.7	1486.7	1574.8	1788.1	2346.9	2336.8
45°	2546.7	2577.2	2651.7	2357.1	1947.3	1920.2	1706.8	1761.0	1991.3	2644.9	2550.1
47.5°	2919.2	2926.0	2895.5	2536.6	2126.8	2126.8	1920.2	1971.0	2174.2	2919.2	2827.8
50°	3291.8	3251.1	3115.7	2749.9	2306.3	2357.1	2140.3	2258.9	2380.8	3196.9	3071.6
52.5°	3498.4	3491.6	3308.7	2912.5	2462.1	2560.3	2394.3	2495.9	2570.4	3478.0	3301.9
55°	3505.1	3495.0	3369.7	2990.4	2607.7	2770.2	2648.3	2780.4	2834.6	3698.2	3616.9
57.5°	3393.4	3420.5	3356.1	3034.4	2678.8	2973.4	2956.5	3098.7	3125.8	3958.9	3833.6
60°	3217.3	3213.9	3291.8	3075.0	2787.2	3166.5	3241.0	3386.6	3532.2	4158.7	4026.7
62.5°	2777.0	2807.5	3027.6	3075.0	2905.7	3417.1	3559.3	3711.7	3891.2	4341.6	4199.4
65°	2174.2	2191.1	2536.6	2851.5	2939.6	3752.3	3881.0	4033.4	4223.1	4527.9	4392.4
67.5°	1314.0	1425.8	1723.8	2346.9	2766.8	4155.4	4392.4	4456.8	4565.1	4737.8	4676.9
70°	748.4	782.3	924.5	1476.6	2309.7	4284.0	5333.9	5218.7	5107.0	5147.6	5032.5
72.5°	568.9	589.3	653.6	873.7	1381.7	3782.8	6126.4	6553.1	6072.2	5574.3	5022.3
75°	413.2	433.5	497.8	704.4	907.6	2424.8	6045.1	7213.4	6935.7	5594.7	4541.4
77.5°	257.4	260.8	298.0	599.4	816.2	1215.8	4731.1	6424.4	6546.3	5225.5	3765.9
80°	179.5	182.9	189.6	321.7	751.8	975.3	3176.6	4717.5	4890.2	3637.2	1920.2
82.5°	128.7	135.5	142.2	189.6	487.7	931.3	1977.8	2970.0	2617.8	1317.4	778.9
85°	67.7	74.5	91.4	115.1	196.4	1012.6	1185.3	1510.4	1195.5	535.1	464.0
87.5°	27.1	23.7	20.3	30.5	54.2	389.5	460.6	508.0	392.8	301.4	369.1
90°	23.7	20.3	13.5	16.9	23.7	138.9	291.2	325.1	270.9	294.6	372.5
92.5°	23.7	20.3	13.5	13.5	23.7	138.9	348.8	355.6	281.1	301.4	389.5
95°	23.7	23.7	13.5	13.5	23.7	125.3	413.2	406.4	291.2	318.3	413.2
97.5°	23.7	23.7	10.2	13.5	23.7	84.7	426.7	440.3	284.5	226.9	342.0
100°	23.7	23.7	10.2	10.2	20.3	54.2	298.0	321.7	210.0	74.5	84.7
102.5°	23.7	23.7	10.2	10.2	13.5	37.3	132.1	159.2	125.3	23.7	27.1
105°	23.7	27.1	6.8	6.8	10.2	20.3	57.6	64.3	50.8	16.9	30.5
107.5°	27.1	30.5	6.8	6.8	6.8	10.2	20.3	23.7	13.5	13.5	30.5



REPORT NUMBER: P561102

CATALOG NUMBER: SDL-PA1-80-750-U-SL3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	23.7	20.3	3.4	6.8	6.8	6.8	6.8	6.8	6.8	13.5	33.9
115°	13.5	10.2	3.4	6.8	6.8	6.8	3.4	6.8	10.2	13.5	30.5
117.5°	13.5	10.2	3.4	3.4	3.4	6.8	3.4	3.4	10.2	16.9	37.3
120°	10.2	10.2	3.4	3.4	3.4	3.4	3.4	6.8	6.8	23.7	50.8
122.5°	10.2	10.2	3.4	3.4	3.4	3.4	3.4	6.8	6.8	23.7	50.8
125°	13.5	13.5	6.8	3.4	3.4	3.4	3.4	6.8	6.8	20.3	47.4
127.5°	10.2	10.2	6.8	3.4	3.4	3.4	3.4	6.8	6.8	16.9	37.3
130°	10.2	10.2	6.8	3.4	3.4	3.4	3.4	6.8	3.4	16.9	30.5
132.5°	10.2	10.2	6.8	3.4	3.4	3.4	3.4	3.4	3.4	10.2	23.7
135°	10.2	10.2	6.8	3.4	3.4	3.4	3.4	3.4	3.4	6.8	16.9
137.5°	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8
140°	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
142.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
145°	3.4	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4
150°	6.8	6.8	13.5	10.2	6.8	3.4	3.4	3.4	3.4	3.4	3.4
152.5°	13.5	13.5	13.5	10.2	3.4	3.4	6.8	10.2	3.4	3.4	3.4
155°	10.2	10.2	10.2	3.4	3.4	3.4	3.4	3.4	6.8	10.2	10.2
157.5°	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
160°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
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



REPORT NUMBER: P561102

CATALOG NUMBER: SDL-PA1-80-750-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7	2292.7
2.5°	2279.2	2286.0	2279.2	2272.4	2265.6	2245.3	2106.5	1937.1	1923.6	1937.1	1930.4
5°	2221.6	2221.6	2218.2	1984.5	1845.7	1805.1	1794.9	1784.7	1764.4	1754.3	1761.0
7.5°	1916.8	1906.7	1788.1	1578.2	1710.2	1662.8	1635.7	1622.2	1419.0	1344.5	1351.3
10°	1601.9	1601.9	1330.9	1256.4	1249.7	1270.0	1408.8	1398.7	1371.6	1354.6	1371.6
12.5°	1381.7	1439.3	1056.6	1131.1	917.8	1016.0	1110.8	1178.5	972.0	914.4	924.5
15°	1466.4	1446.1	1161.6	887.3	809.4	853.4	684.1	856.8	843.3	816.2	812.8
17.5°	1280.1	1175.1	968.6	833.1	799.2	602.8	585.9	606.2	555.4	508.0	531.7
20°	1391.9	1334.3	1026.1	741.7	616.4	548.6	413.2	386.1	491.1	514.8	511.4
22.5°	1161.6	968.6	839.9	738.3	497.8	392.8	311.6	342.0	365.8	389.5	399.6
25°	1364.8	1259.8	917.8	552.0	403.0	287.9	281.1	254.0	382.7	436.9	433.5
27.5°	1574.8	1425.8	883.9	518.1	291.2	247.2	226.9	257.4	267.5	301.4	321.7
30°	1761.0	1581.5	1022.8	480.9	243.8	186.3	203.2	210.0	260.8	281.1	281.1
32.5°	1754.3	1537.5	914.4	409.8	199.8	169.3	169.3	199.8	230.3	277.7	281.1
35°	1750.9	1503.6	816.2	318.3	176.1	149.0	155.8	189.6	230.3	257.4	260.8
37.5°	1791.5	1493.5	718.0	257.4	159.2	142.2	149.0	179.5	247.2	274.3	274.3
40°	1852.5	1500.3	619.7	220.1	152.4	138.9	142.2	189.6	223.5	247.2	247.2
42.5°	2038.7	1598.5	535.1	203.2	152.4	135.5	135.5	176.1	226.9	267.5	270.9
45°	2177.6	1676.4	470.7	203.2	149.0	128.7	142.2	176.1	199.8	294.6	315.0
47.5°	2401.1	1818.6	409.8	203.2	149.0	125.3	132.1	172.7	210.0	338.7	352.2
50°	2624.6	1960.8	382.7	203.2	149.0	121.9	149.0	165.9	210.0	352.2	362.4
52.5°	2861.7	2136.9	365.8	203.2	149.0	128.7	162.6	199.8	226.9	315.0	311.6
55°	3105.5	2292.7	355.6	210.0	149.0	128.7	176.1	186.3	193.0	243.8	250.6
57.5°	3332.4	2482.4	375.9	210.0	145.6	135.5	165.9	182.9	169.3	213.4	216.7
60°	3511.9	2655.1	426.7	203.2	142.2	135.5	169.3	199.8	189.6	233.7	240.4
62.5°	3718.5	2838.0	545.2	206.6	142.2	138.9	189.6	216.7	193.0	230.3	243.8
65°	3989.4	3115.7	677.3	226.9	145.6	145.6	193.0	233.7	193.0	226.9	226.9
67.5°	4294.2	3373.0	677.3	264.2	155.8	155.8	193.0	247.2	206.6	226.9	226.9
70°	4517.7	3386.6	558.8	291.2	169.3	165.9	199.8	257.4	210.0	250.6	247.2
72.5°	4270.5	3017.5	464.0	287.9	182.9	172.7	226.9	264.2	213.4	284.5	281.1
75°	3749.0	2489.1	403.0	257.4	165.9	176.1	237.1	270.9	216.7	298.0	291.2
77.5°	2956.5	1815.2	342.0	216.7	145.6	169.3	243.8	277.7	223.5	315.0	311.6
80°	1432.5	911.0	277.7	182.9	132.1	162.6	243.8	274.3	220.1	325.1	325.1
82.5°	646.8	453.8	189.6	125.3	132.1	165.9	250.6	277.7	220.1	318.3	315.0
85°	419.9	311.6	121.9	98.2	132.1	189.6	254.0	264.2	210.0	294.6	294.6
87.5°	315.0	216.7	64.3	61.0	145.6	206.6	254.0	243.8	203.2	277.7	270.9
90°	321.7	230.3	67.7	61.0	155.8	210.0	254.0	240.4	196.4	250.6	250.6
92.5°	348.8	254.0	77.9	67.7	159.2	189.6	240.4	216.7	182.9	216.7	213.4
95°	379.3	284.5	91.4	77.9	138.9	138.9	189.6	176.1	155.8	165.9	165.9
97.5°	277.7	203.2	81.3	84.7	105.0	88.1	125.3	118.5	81.3	74.5	71.1
100°	81.3	67.7	74.5	81.3	74.5	64.3	94.8	91.4	54.2	27.1	27.1
102.5°	30.5	33.9	67.7	74.5	57.6	47.4	67.7	74.5	44.0	6.8	10.2
105°	27.1	23.7	47.4	57.6	33.9	27.1	33.9	47.4	27.1	6.8	6.8
107.5°	30.5	23.7	23.7	30.5	13.5	13.5	13.5	16.9	10.2	6.8	6.8



REPORT NUMBER: P561102

CATALOG NUMBER: SDL-PA1-80-750-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	30.5	23.7	13.5	13.5	10.2	10.2	6.8	6.8	10.2	16.9	16.9
115°	33.9	27.1	13.5	10.2	6.8	10.2	6.8	3.4	10.2	23.7	23.7
117.5°	40.6	30.5	10.2	10.2	6.8	6.8	6.8	3.4	10.2	30.5	33.9
120°	50.8	37.3	13.5	6.8	6.8	6.8	6.8	3.4	13.5	33.9	37.3
122.5°	50.8	40.6	13.5	6.8	6.8	3.4	3.4	6.8	13.5	33.9	37.3
125°	47.4	37.3	13.5	6.8	6.8	3.4	3.4	3.4	16.9	33.9	37.3
127.5°	37.3	33.9	13.5	6.8	3.4	3.4	3.4	6.8	13.5	30.5	30.5
130°	30.5	27.1	10.2	6.8	3.4	3.4	3.4	3.4	13.5	23.7	27.1
132.5°	23.7	20.3	10.2	6.8	3.4	3.4	3.4	3.4	13.5	23.7	23.7
135°	16.9	16.9	6.8	3.4	3.4	3.4	3.4	3.4	10.2	16.9	20.3
137.5°	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4	6.8	10.2	10.2
140°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	6.8	6.8
142.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	6.8
145°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
150°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
152.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	6.8	6.8
155°	10.2	10.2	10.2	6.8	3.4	0.0	0.0	0.0	3.4	3.4	6.8
157.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	3.4	3.4	3.4
160°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4	3.4
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



Report Generated By 670245982



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110°	30.5	30.5	6.8	6.8	6.8	10.2	6.8	6.8	10.2	13.5	33.9
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110°	30.5	23.7	13.5	13.5	10.2	10.2	10.2	6.8	6.8	6.8	6.8
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(END OF REPORT)