

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: P560531

Luminaire Tested: **SDL-PA1-50-730-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560531
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-PA1-50-730-U-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 670mA 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: 4601.3 lumens
Efficiency: N/A
Efficacy: 87.8 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

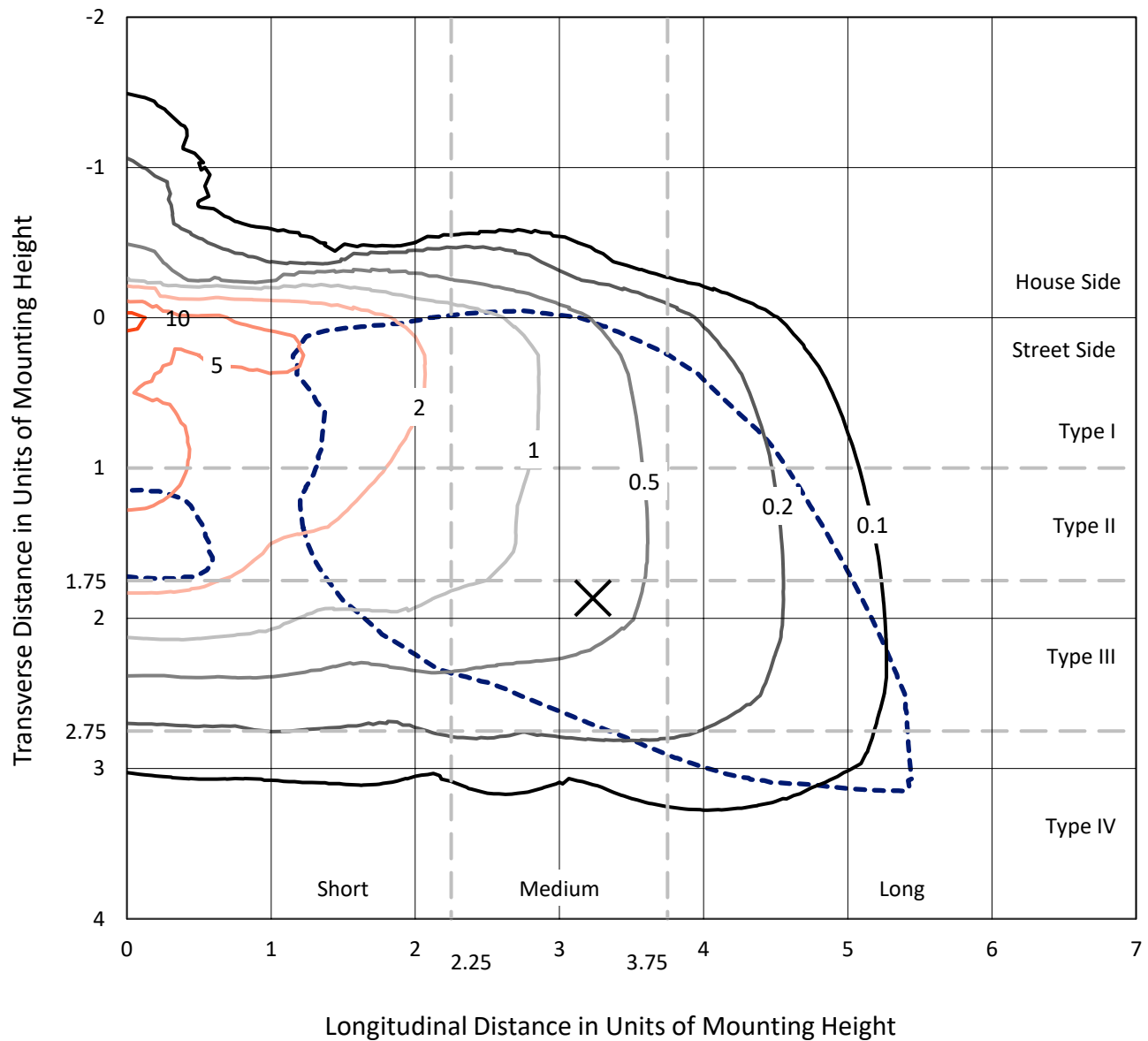


REPORT NUMBER: P560531

CATALOG NUMBER: SDL-PA1-50-730-U-SL3-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

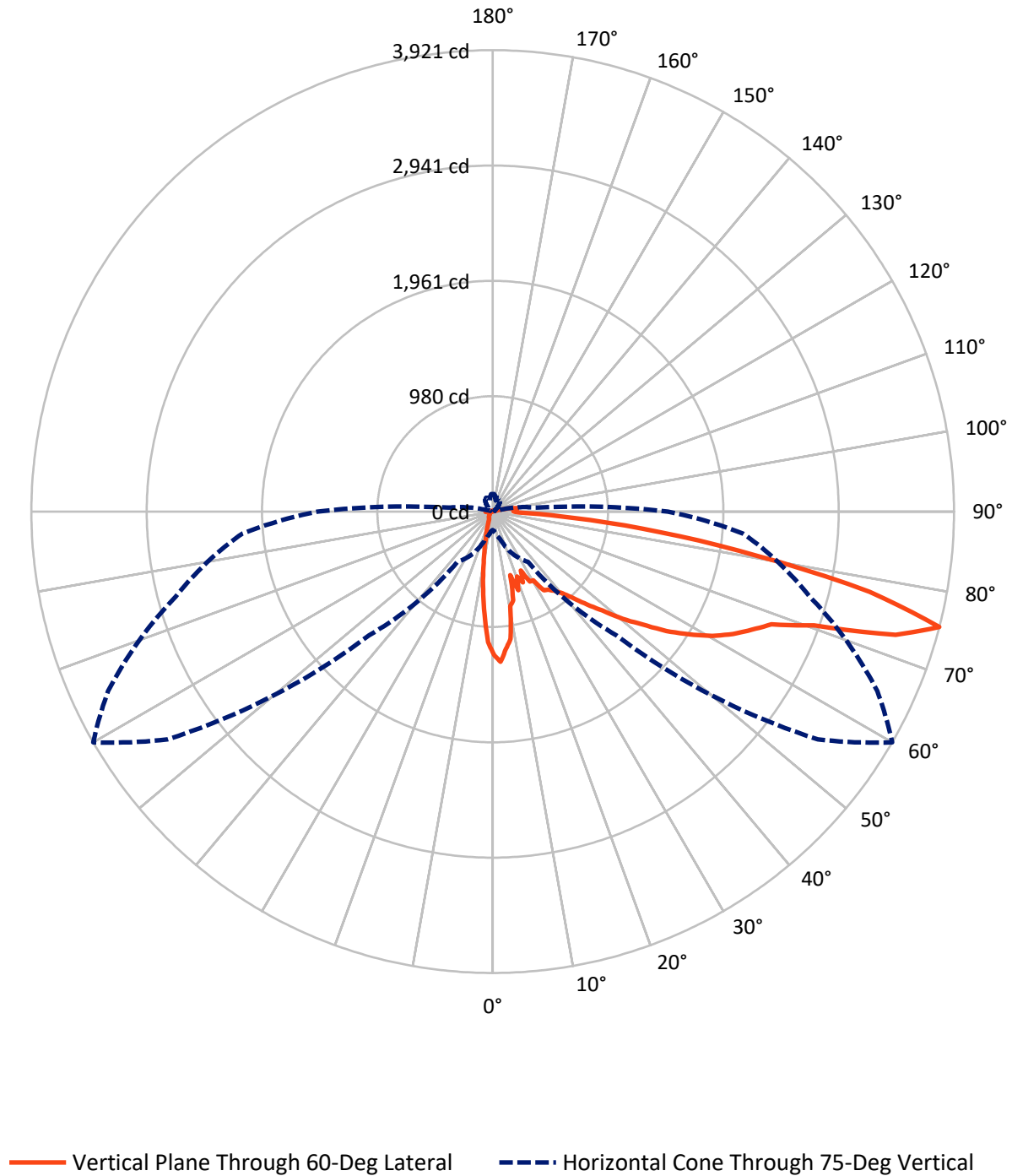
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.2 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560531
CATALOG NUMBER: SDL-PA1-50-730-U-SL3-HSS-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560531

CATALOG NUMBER: SDL-PA1-50-730-U-SL3-HSS-A

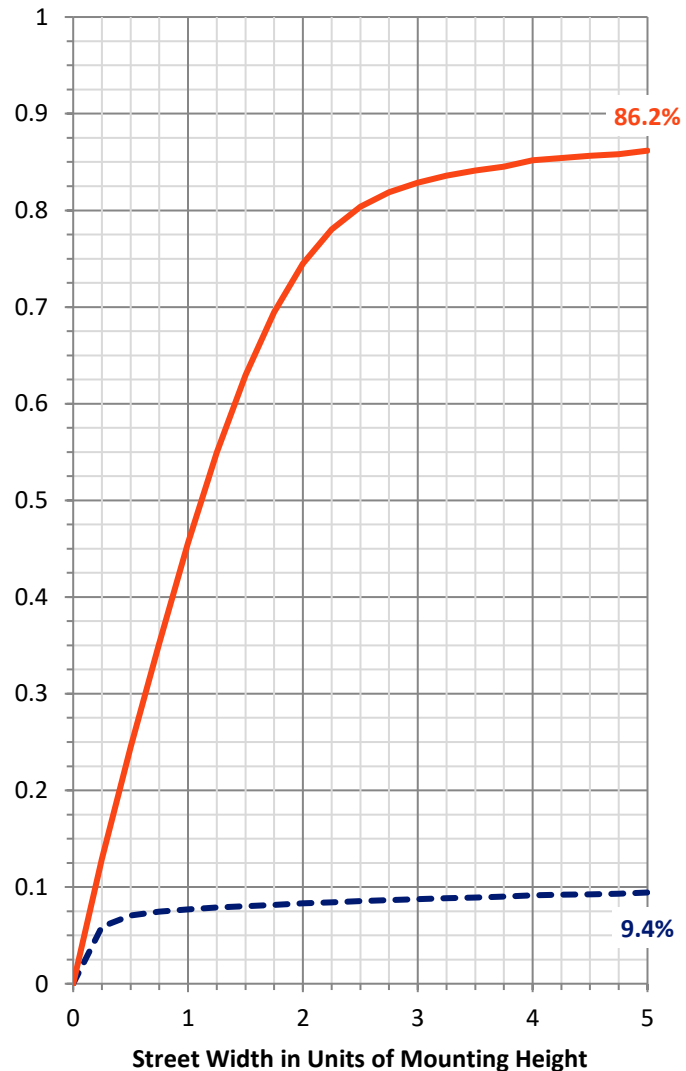
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	475.5	62.0	537.5
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	3999.0	64.8	4063.8
	% Fixture	86.9	1.4	88.3
Total	Lumens	4474.5	126.8	4601.3
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.4	1.8
10°-20°	138.4	3.0
20°-30°	195.7	4.3
30°-40°	351.8	7.6
40°-50°	592.7	12.9
50°-60°	921.9	20.0
60°-70°	1087.9	23.6
70°-80°	882.5	19.2
80°-90°	219.1	4.8
90°-100°	88.4	1.9
100°-110°	20.5	0.4
110°-120°	6.4	0.1
120°-130°	5.7	0.1
130°-140°	3.0	0.1
140°-150°	1.5	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4474.5	97.2
0°-180°	4601.3	100.0



REPORT NUMBER: P560531

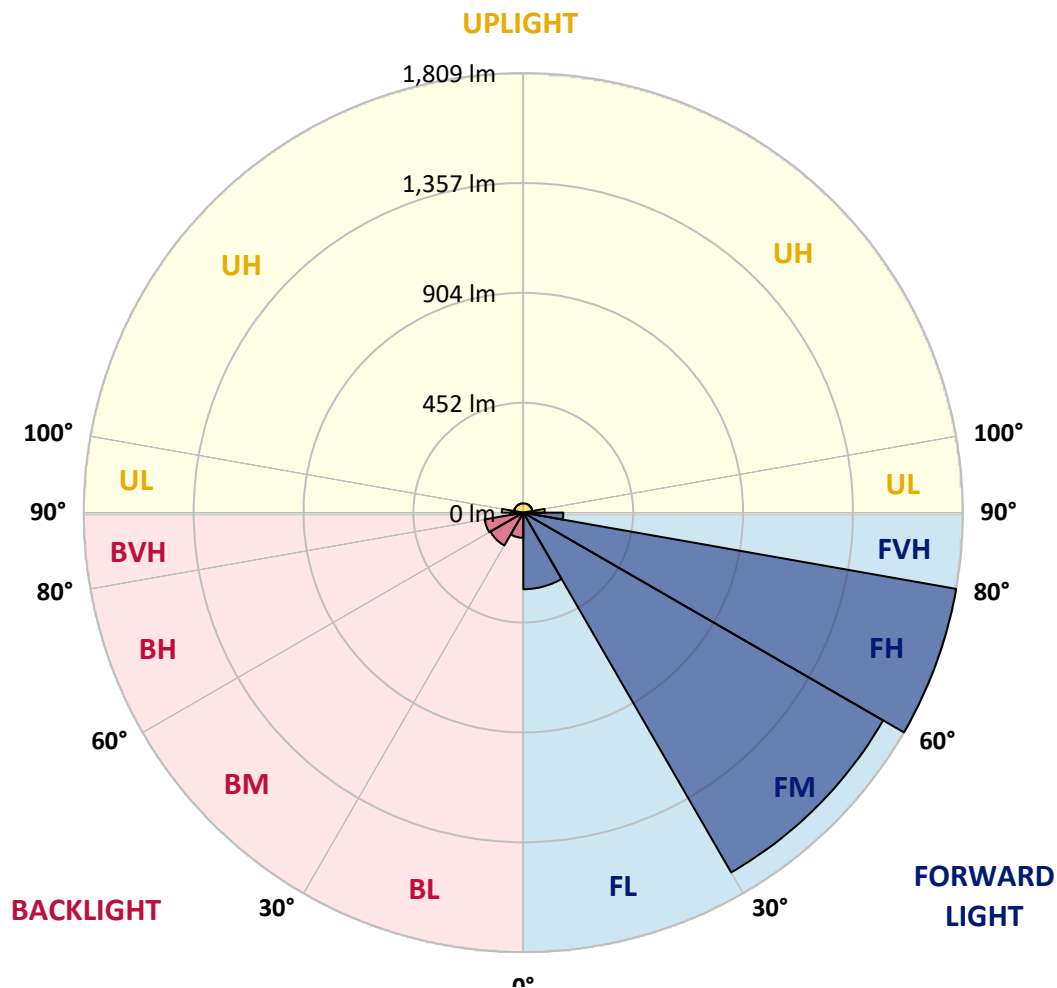
CATALOG NUMBER: SDL-PA1-50-730-U-SL3-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	315.2	6.8			
FM	(30°-60°)	1710.1	37.2			
FH	(60°-80°)	1808.9	39.3			G2/5000
FVH	(80°-90°)	164.7	3.6			G2/225
BL	(0°-30°)	103.4	2.2	B0/110		
BM	(30°-60°)	156.3	3.4	B0/220		
BH	(60°-80°)	161.4	3.5	B1/500		G1/500
BVH	(80°-90°)	54.4	1.2			G1/100
UL	(90°-100°)	88.4	1.9		U3/500	
UH	(100°-180°)	38.4	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





REPORT NUMBER: P560531

CATALOG NUMBER: SDL-PA1-50-730-U-SL3-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3
2.5°	1144.0	1231.2	1205.7	1286.5	1297.1	1292.9	1288.6	1278.0	1267.3	1248.2	1218.4
5°	1097.2	1105.7	1099.4	1114.2	1116.4	1122.8	1112.1	1171.7	1271.6	1246.1	1199.3
7.5°	901.6	990.9	1001.5	1029.2	1054.7	1080.2	1095.1	1093.0	965.4	1084.5	1031.3
10°	920.7	933.5	931.4	950.5	929.2	893.1	814.4	816.5	816.5	842.1	869.7
12.5°	729.4	767.6	861.2	891.0	827.2	752.8	759.1	774.0	784.6	665.6	733.6
15°	827.2	829.3	831.4	831.4	623.0	712.4	620.9	561.4	642.2	786.8	799.5
17.5°	648.6	642.2	748.5	740.0	686.8	529.5	689.0	703.8	676.2	661.3	665.6
20°	761.3	761.3	754.9	601.8	633.7	682.6	591.1	589.0	623.0	774.0	782.5
22.5°	616.7	610.3	644.3	669.8	601.8	650.7	582.6	654.9	725.1	684.7	559.2
25°	771.9	771.9	746.4	580.5	623.0	559.2	646.4	555.0	616.7	837.8	797.4
27.5°	714.5	695.3	635.8	659.2	559.2	650.7	595.4	674.1	712.4	867.6	929.2
30°	922.9	916.5	848.4	663.4	635.8	597.5	640.1	678.3	820.8	1124.9	1073.8
32.5°	1231.2	1197.2	965.4	820.8	667.7	708.1	682.6	797.4	901.6	1150.4	1088.7
35°	1314.1	1288.6	1178.0	997.3	748.5	748.5	733.6	814.4	925.0	1205.7	1120.6
37.5°	1341.8	1339.6	1301.4	1090.9	859.1	861.2	776.1	854.8	971.8	1280.1	1167.4
40°	1358.8	1363.0	1401.3	1188.7	976.0	971.8	854.8	912.2	1044.1	1360.9	1252.5
42.5°	1431.1	1454.5	1501.3	1297.1	1086.6	1088.7	950.5	1003.7	1139.8	1494.9	1369.4
45°	1592.7	1599.1	1626.7	1446.0	1190.8	1205.7	1071.7	1127.0	1256.7	1641.6	1501.3
47.5°	1837.2	1837.2	1790.4	1562.9	1314.1	1335.4	1199.3	1256.7	1394.9	1856.4	1654.4
50°	2054.1	2037.1	1935.0	1701.1	1414.1	1460.9	1367.3	1433.2	1511.9	2020.1	1845.7
52.5°	2190.2	2183.8	2058.4	1794.7	1520.4	1599.1	1505.5	1590.6	1648.0	2190.2	2018.0
55°	2171.1	2171.1	2090.3	1843.6	1618.2	1724.5	1684.1	1790.4	1811.7	2351.8	2143.4
57.5°	2098.8	2109.4	2071.1	1862.7	1637.3	1843.6	1867.0	1966.9	2003.1	2445.4	2222.1
60°	1952.1	1973.3	2013.7	1888.3	1711.8	1977.6	2054.1	2143.4	2211.5	2515.6	2288.0
62.5°	1677.7	1705.4	1847.9	1886.1	1769.2	2115.8	2213.6	2292.3	2356.1	2553.8	2334.8
65°	1271.6	1322.6	1528.9	1750.0	1764.9	2277.4	2343.3	2419.9	2481.5	2592.1	2456.0
67.5°	812.3	814.4	1037.7	1446.0	1645.9	2504.9	2517.7	2556.0	2596.4	2698.4	2628.3
70°	418.9	440.2	546.5	922.9	1348.2	2551.7	2953.6	2898.3	2836.6	2930.2	2851.5
72.5°	278.6	302.0	359.4	497.6	846.3	2300.8	3427.8	3580.9	3308.7	3102.4	2655.9
75°	157.4	170.1	240.3	393.4	523.1	1486.4	3374.6	3921.1	3606.4	2787.7	2134.9
77.5°	70.2	74.4	108.4	308.3	448.7	725.1	2655.9	3276.8	3151.4	2324.2	1539.5
80°	38.3	38.3	51.0	142.5	380.6	546.5	1762.8	2281.7	2143.4	1401.3	699.6
82.5°	21.3	23.4	29.8	68.0	231.8	499.7	1114.2	1431.1	1131.3	384.9	282.8
85°	8.5	8.5	12.8	36.1	85.1	423.2	610.3	680.5	457.2	195.6	219.0
87.5°	4.3	4.3	4.3	12.8	27.6	108.4	199.9	214.8	168.0	155.2	189.3
90°	6.4	6.4	4.3	4.3	19.1	114.8	168.0	176.5	138.2	155.2	191.4
92.5°	8.5	6.4	4.3	4.3	14.9	114.8	191.4	189.3	138.2	155.2	197.8
95°	10.6	8.5	4.3	4.3	14.9	102.1	229.7	206.3	148.8	157.4	208.4
97.5°	10.6	10.6	4.3	4.3	14.9	78.7	242.4	208.4	129.7	102.1	142.5
100°	12.8	12.8	4.3	4.3	17.0	46.8	168.0	155.2	91.4	34.0	40.4
102.5°	14.9	14.9	4.3	4.3	10.6	23.4	80.8	78.7	51.0	8.5	14.9
105°	14.9	17.0	4.3	4.3	4.3	10.6	29.8	36.1	25.5	8.5	14.9
107.5°	17.0	19.1	4.3	4.3	4.3	6.4	12.8	12.8	8.5	8.5	14.9



REPORT NUMBER: P560531

CATALOG NUMBER: SDL-PA1-50-730-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	12.8	12.8	2.1	4.3	4.3	4.3	2.1	4.3	4.3	6.4	12.8
115°	6.4	4.3	2.1	4.3	2.1	4.3	2.1	4.3	6.4	6.4	14.9
117.5°	2.1	2.1	2.1	2.1	2.1	4.3	2.1	4.3	4.3	10.6	19.1
120°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	14.9	23.4
122.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	14.9	27.6
125°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	10.6	25.5
127.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	10.6	21.3
130°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	8.5	19.1
132.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	8.5	14.9
135°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	10.6
137.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3
140°	2.1	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
142.5°	2.1	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
145°	2.1	2.1	2.1	2.1	4.3	2.1	2.1	2.1	2.1	2.1	2.1
147.5°	2.1	2.1	2.1	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1
150°	8.5	8.5	8.5	6.4	4.3	2.1	6.4	4.3	2.1	2.1	2.1
152.5°	6.4	6.4	10.6	4.3	2.1	2.1	2.1	6.4	6.4	2.1	2.1
155°	6.4	6.4	4.3	2.1	2.1	2.1	2.1	2.1	2.1	6.4	8.5
157.5°	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1	2.1	4.3	2.1
160°	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P560531

CATALOG NUMBER: SDL-PA1-50-730-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3	1216.3
2.5°	1207.8	1195.0	1161.0	1129.1	1090.9	1067.5	986.7	895.2	876.1	871.8	856.9
5°	1178.0	1150.4	1084.5	944.1	803.8	740.0	710.2	686.8	654.9	648.6	640.1
7.5°	999.4	952.6	850.6	678.3	657.1	597.5	548.6	508.2	421.0	397.6	384.9
10°	831.4	791.0	580.5	493.3	448.7	404.0	350.9	310.5	274.3	257.3	250.9
12.5°	671.9	631.5	433.8	391.3	278.6	229.7	199.9	165.9	138.2	123.3	123.3
15°	744.2	678.3	448.7	278.6	182.9	136.1	99.9	89.3	104.2	106.3	106.3
17.5°	608.2	542.2	353.0	216.9	134.0	74.4	80.8	91.4	99.9	87.2	89.3
20°	699.6	608.2	355.1	163.7	85.1	72.3	74.4	68.0	91.4	93.6	93.6
22.5°	529.5	478.4	267.9	129.7	65.9	68.0	63.8	76.6	85.1	74.4	72.3
25°	684.7	563.5	272.2	82.9	65.9	55.3	65.9	59.5	78.7	80.8	80.8
27.5°	784.6	631.5	238.2	72.3	55.3	59.5	53.2	61.7	59.5	59.5	59.5
30°	891.0	689.0	231.8	70.2	53.2	48.9	51.0	48.9	57.4	59.5	59.5
32.5°	891.0	659.2	176.5	70.2	51.0	46.8	40.4	44.7	46.8	51.0	53.2
35°	897.3	633.7	129.7	63.8	46.8	40.4	36.1	36.1	40.4	42.5	42.5
37.5°	916.5	616.7	99.9	59.5	42.5	36.1	29.8	31.9	55.3	61.7	61.7
40°	969.6	616.7	85.1	55.3	38.3	31.9	25.5	40.4	46.8	55.3	55.3
42.5°	1052.6	625.2	80.8	53.2	34.0	27.6	21.3	31.9	57.4	65.9	68.0
45°	1139.8	642.2	76.6	51.0	31.9	23.4	25.5	38.3	44.7	59.5	59.5
47.5°	1261.0	678.3	74.4	48.9	29.8	19.1	23.4	38.3	48.9	63.8	63.8
50°	1392.8	716.6	70.2	46.8	25.5	17.0	36.1	31.9	40.4	65.9	65.9
52.5°	1528.9	761.3	68.0	44.7	23.4	23.4	40.4	38.3	48.9	63.8	65.9
55°	1648.0	797.4	63.8	44.7	21.3	21.3	42.5	38.3	44.7	59.5	61.7
57.5°	1705.4	803.8	61.7	42.5	19.1	21.3	40.4	46.8	40.4	48.9	53.2
60°	1777.7	820.8	55.3	38.3	17.0	27.6	46.8	61.7	55.3	63.8	68.0
62.5°	1845.7	833.6	48.9	34.0	14.9	29.8	61.7	74.4	59.5	74.4	82.9
65°	1971.2	861.2	40.4	27.6	12.8	34.0	70.2	89.3	65.9	87.2	87.2
67.5°	2145.6	905.9	31.9	23.4	12.8	38.3	72.3	102.1	78.7	95.7	93.6
70°	2213.6	833.6	27.6	21.3	12.8	44.7	78.7	110.6	82.9	106.3	106.3
72.5°	1930.8	601.8	23.4	21.3	21.3	51.0	97.8	121.2	91.4	134.0	131.8
75°	1490.6	378.5	23.4	21.3	25.5	63.8	110.6	129.7	97.8	148.8	146.7
77.5°	993.0	178.6	23.4	23.4	29.8	70.2	119.1	138.2	108.4	165.9	163.7
80°	389.1	97.8	25.5	25.5	36.1	74.4	127.6	142.5	112.7	178.6	176.5
82.5°	187.1	68.0	25.5	25.5	48.9	82.9	136.1	148.8	117.0	180.7	178.6
85°	159.5	63.8	23.4	27.6	59.5	104.2	144.6	146.7	119.1	172.2	172.2
87.5°	142.5	61.7	23.4	27.6	80.8	121.2	151.0	144.6	127.6	168.0	168.0
90°	146.7	65.9	25.5	31.9	91.4	123.3	153.1	144.6	123.3	155.2	155.2
92.5°	157.4	70.2	27.6	34.0	91.4	114.8	142.5	129.7	114.8	131.8	129.7
95°	165.9	74.4	29.8	38.3	80.8	89.3	119.1	104.2	95.7	102.1	102.1
97.5°	127.6	57.4	34.0	42.5	61.7	53.2	74.4	68.0	51.0	42.5	42.5
100°	34.0	19.1	36.1	42.5	42.5	36.1	55.3	51.0	34.0	14.9	14.9
102.5°	12.8	12.8	34.0	40.4	34.0	27.6	40.4	38.3	27.6	4.3	4.3
105°	12.8	10.6	21.3	31.9	21.3	14.9	21.3	25.5	17.0	4.3	4.3
107.5°	12.8	10.6	12.8	19.1	8.5	6.4	8.5	8.5	8.5	2.1	4.3



REPORT NUMBER: P560531

CATALOG NUMBER: SDL-PA1-50-730-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.8	10.6	6.4	8.5	6.4	6.4	4.3	4.3	6.4	12.8	12.8
115°	12.8	10.6	6.4	6.4	4.3	6.4	4.3	2.1	6.4	14.9	17.0
117.5°	17.0	10.6	4.3	4.3	4.3	4.3	4.3	2.1	6.4	19.1	21.3
120°	21.3	12.8	4.3	4.3	4.3	2.1	4.3	2.1	8.5	19.1	21.3
122.5°	23.4	14.9	4.3	4.3	4.3	2.1	2.1	4.3	8.5	19.1	19.1
125°	23.4	14.9	4.3	4.3	2.1	2.1	2.1	2.1	8.5	19.1	21.3
127.5°	19.1	12.8	4.3	4.3	2.1	2.1	2.1	2.1	8.5	17.0	19.1
130°	17.0	12.8	4.3	4.3	2.1	2.1	2.1	2.1	8.5	14.9	17.0
132.5°	12.8	10.6	4.3	2.1	2.1	2.1	2.1	2.1	8.5	12.8	14.9
135°	10.6	6.4	4.3	2.1	2.1	2.1	2.1	2.1	6.4	12.8	12.8
137.5°	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1	4.3	6.4	6.4
140°	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3
142.5°	2.1	4.3	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1
145°	2.1	4.3	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1
147.5°	2.1	4.3	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	2.1
150°	2.1	4.3	2.1	2.1	2.1	2.1	0.0	2.1	2.1	2.1	4.3
152.5°	2.1	4.3	2.1	2.1	2.1	0.0	0.0	2.1	2.1	2.1	2.1
155°	8.5	6.4	4.3	2.1	2.1	0.0	0.0	0.0	2.1	2.1	2.1
157.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	2.1	2.1	2.1
160°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	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°	17.0	17.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	8.5	14.9
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110°	12.8	10.6	6.4	8.5	6.4	6.4	6.4	4.3	4.3	8.5	8.5
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(END OF REPORT)