

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: P560553

Luminaire Tested: **SDL-PA1-50-740-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560553
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-PA1-50-740-U-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 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: 5052.3 lumens
Efficiency: N/A
Efficacy: 96.4 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

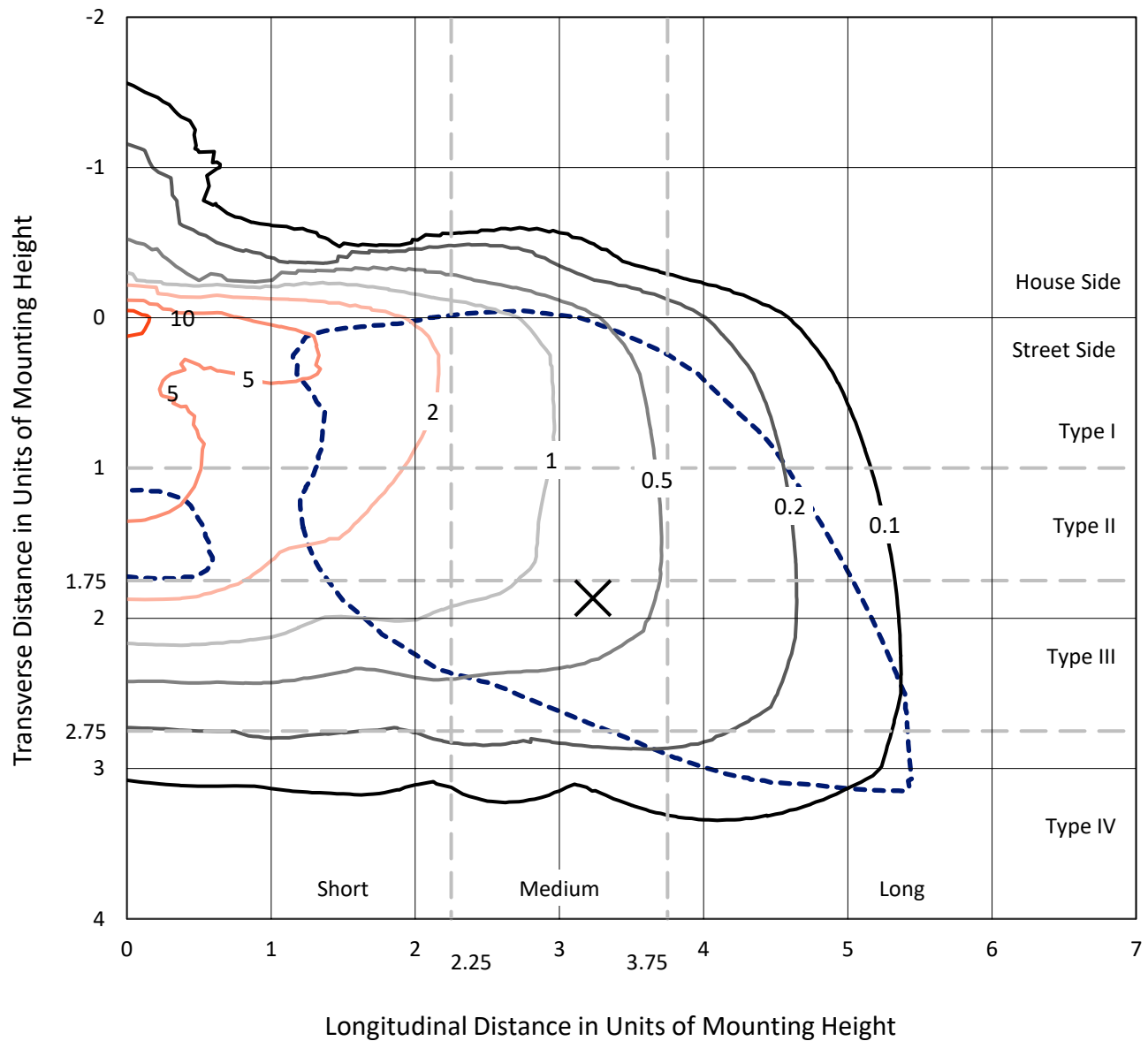


REPORT NUMBER: P560553

CATALOG NUMBER: SDL-PA1-50-740-U-SL3-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

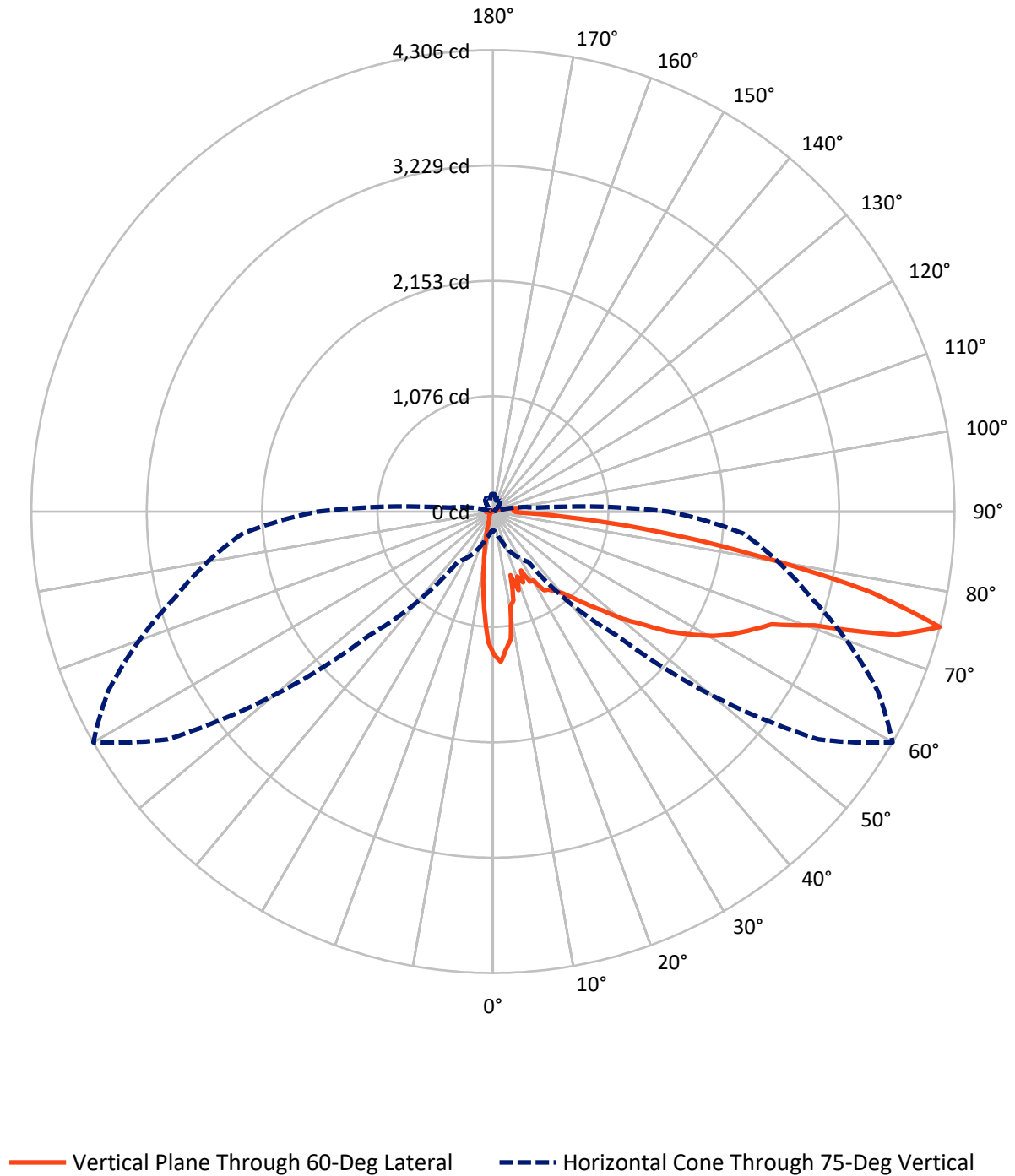
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560553
CATALOG NUMBER: SDL-PA1-50-740-U-SL3-HSS-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560553

CATALOG NUMBER: SDL-PA1-50-740-U-SL3-HSS-A

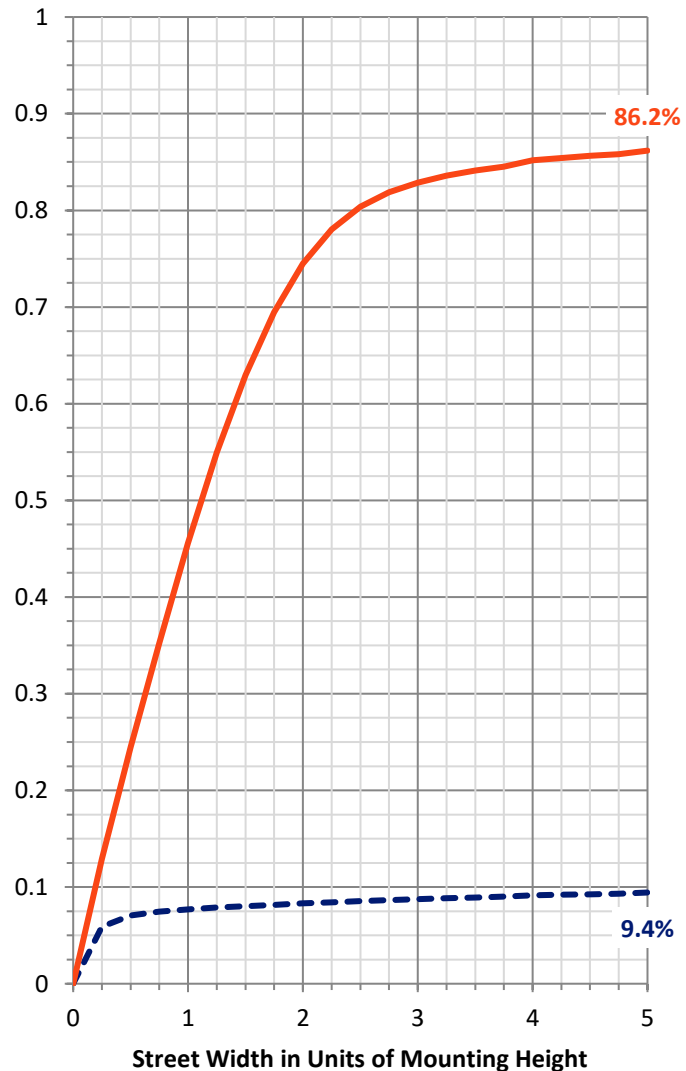
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	522.1	68.0	590.2
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	4391.0	71.1	4462.1
	% Fixture	86.9	1.4	88.3
Total	Lumens	4913.1	139.2	5052.3
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	1.8
10°-20°	152.0	3.0
20°-30°	214.9	4.3
30°-40°	386.3	7.6
40°-50°	650.8	12.9
50°-60°	1012.3	20.0
60°-70°	1194.6	23.6
70°-80°	969.0	19.2
80°-90°	240.6	4.8
90°-100°	97.1	1.9
100°-110°	22.5	0.4
110°-120°	7.0	0.1
120°-130°	6.2	0.1
130°-140°	3.3	0.1
140°-150°	1.6	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4913.1	97.2
0°-180°	5052.3	100.0



REPORT NUMBER: P560553

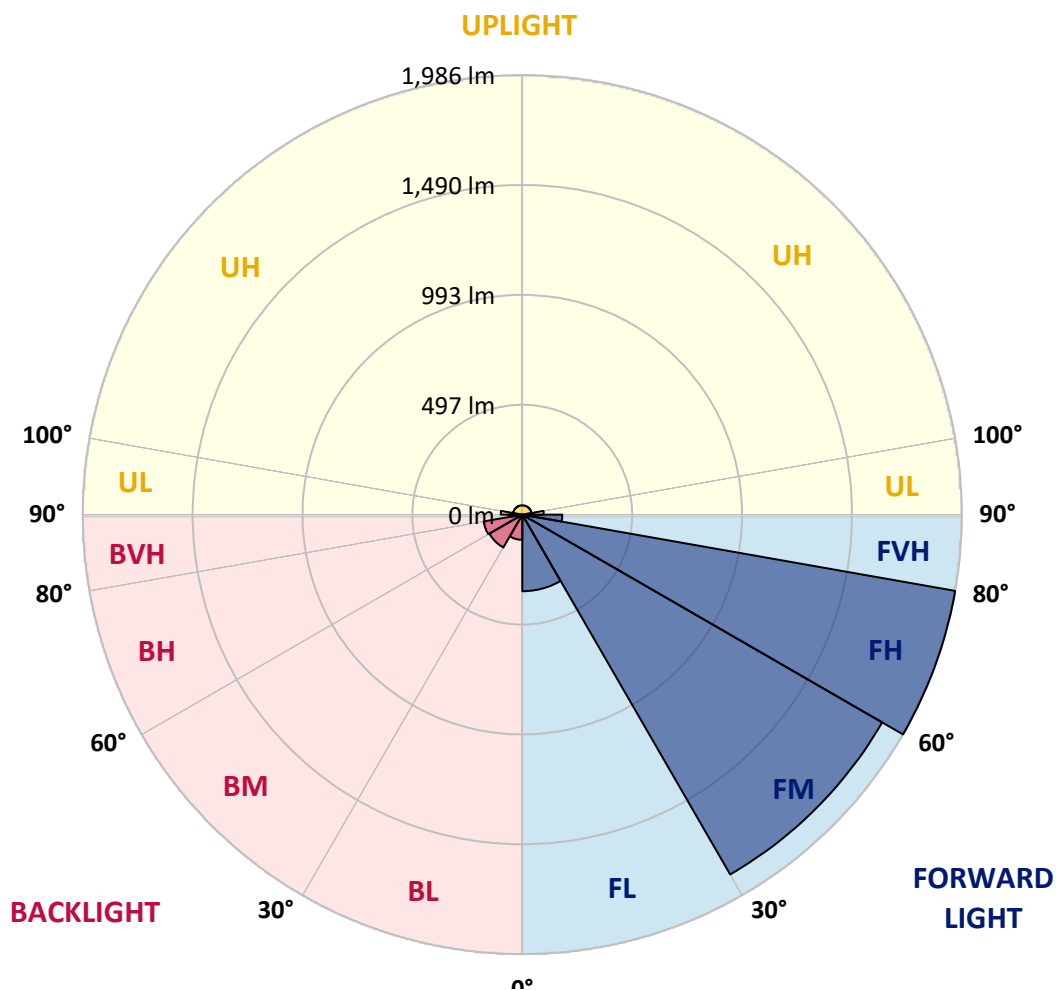
CATALOG NUMBER: SDL-PA1-50-740-U-SL3-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	346.1	6.8			
FM	(30°-60°)	1877.8	37.2			
FH	(60°-80°)	1986.3	39.3			G2/5000
FVH	(80°-90°)	180.9	3.6			G2/225
BL	(0°-30°)	113.5	2.2	B1/500		
BM	(30°-60°)	171.6	3.4	B0/220		
BH	(60°-80°)	177.2	3.5	B1/500		G1/500
BVH	(80°-90°)	59.7	1.2			G1/100
UL	(90°-100°)	97.1	1.9		U3/500	
UH	(100°-180°)	42.1	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



REPORT NUMBER: P560553

CATALOG NUMBER: SDL-PA1-50-740-U-SL3-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6
2.5°	1256.2	1351.9	1323.9	1412.6	1424.3	1419.6	1414.9	1403.3	1391.6	1370.6	1337.9
5°	1204.8	1214.1	1207.1	1223.5	1225.8	1232.8	1221.1	1286.5	1396.3	1368.2	1316.9
7.5°	990.0	1088.1	1099.7	1130.1	1158.1	1186.1	1202.5	1200.1	1060.0	1190.8	1132.4
10°	1011.0	1025.0	1022.7	1043.7	1020.3	980.7	894.3	896.6	896.6	924.6	955.0
12.5°	800.9	842.9	945.6	978.3	908.3	826.6	833.6	849.9	861.6	730.8	805.5
15°	908.3	910.6	912.9	912.9	684.1	782.2	681.8	616.4	705.1	863.9	877.9
17.5°	712.1	705.1	821.9	812.5	754.2	581.4	756.5	772.8	742.5	726.2	730.8
20°	835.9	835.9	828.9	660.8	695.8	749.5	649.1	646.8	684.1	849.9	859.2
22.5°	677.1	670.1	707.5	735.5	660.8	714.5	639.8	719.1	796.2	751.8	614.1
25°	847.6	847.6	819.5	637.4	684.1	614.1	709.8	609.4	677.1	919.9	875.6
27.5°	784.5	763.5	698.1	723.8	614.1	714.5	653.8	740.2	782.2	952.6	1020.3
30°	1013.3	1006.3	931.6	728.5	698.1	656.1	702.8	744.8	901.3	1235.2	1179.1
32.5°	1351.9	1314.5	1060.0	901.3	733.2	777.5	749.5	875.6	990.0	1263.2	1195.5
35°	1443.0	1414.9	1293.5	1095.1	821.9	821.9	805.5	894.3	1015.7	1323.9	1230.5
37.5°	1473.3	1471.0	1429.0	1197.8	943.3	945.6	852.2	938.6	1067.0	1405.6	1281.9
40°	1492.0	1496.7	1538.7	1305.2	1071.7	1067.0	938.6	1001.7	1146.4	1494.3	1375.3
42.5°	1571.4	1597.1	1648.4	1424.3	1193.1	1195.5	1043.7	1102.1	1251.5	1641.4	1503.7
45°	1748.8	1755.8	1786.2	1587.7	1307.5	1323.9	1176.8	1237.5	1379.9	1802.5	1648.4
47.5°	2017.3	2017.3	1966.0	1716.1	1443.0	1466.3	1316.9	1379.9	1531.7	2038.4	1816.5
50°	2255.5	2236.8	2124.8	1867.9	1552.7	1604.1	1501.3	1573.7	1660.1	2218.1	2026.7
52.5°	2404.9	2397.9	2260.2	1970.7	1669.4	1755.8	1653.1	1746.5	1809.5	2404.9	2215.8
55°	2383.9	2383.9	2295.2	2024.4	1776.9	1893.6	1849.2	1966.0	1989.3	2582.4	2353.6
57.5°	2304.5	2316.2	2274.2	2045.4	1797.9	2024.4	2050.0	2159.8	2199.5	2685.1	2440.0
60°	2143.4	2166.8	2211.1	2073.4	1879.6	2171.5	2255.5	2353.6	2428.3	2762.2	2512.3
62.5°	1842.2	1872.6	2029.0	2071.1	1942.6	2323.2	2430.6	2517.0	2587.1	2804.2	2563.7
65°	1396.3	1452.3	1678.8	1921.6	1938.0	2500.7	2573.1	2657.1	2724.8	2846.2	2696.8
67.5°	891.9	894.3	1139.4	1587.7	1807.2	2750.5	2764.5	2806.5	2850.9	2963.0	2885.9
70°	460.0	483.3	600.1	1013.3	1480.3	2801.9	3243.2	3182.5	3114.7	3217.5	3131.1
72.5°	305.9	331.6	394.6	546.4	929.3	2526.4	3763.8	3932.0	3633.1	3406.6	2916.3
75°	172.8	186.8	263.8	432.0	574.4	1632.1	3705.5	4305.5	3960.0	3061.0	2344.2
77.5°	77.1	81.7	119.1	338.6	492.7	796.2	2916.3	3598.1	3460.3	2552.0	1690.5
80°	42.0	42.0	56.0	156.4	417.9	600.1	1935.6	2505.3	2353.6	1538.7	768.2
82.5°	23.3	25.7	32.7	74.7	254.5	548.7	1223.5	1571.4	1242.2	422.6	310.5
85°	9.3	9.3	14.0	39.7	93.4	464.6	670.1	747.2	502.0	214.8	240.5
87.5°	4.7	4.7	4.7	14.0	30.4	119.1	219.5	235.8	184.5	170.4	207.8
90°	7.0	7.0	4.7	4.7	21.0	126.1	184.5	193.8	151.8	170.4	210.1
92.5°	9.3	7.0	4.7	4.7	16.3	126.1	210.1	207.8	151.8	170.4	217.1
95°	11.7	9.3	4.7	4.7	16.3	112.1	252.2	226.5	163.4	172.8	228.8
97.5°	11.7	11.7	4.7	4.7	16.3	86.4	266.2	228.8	142.4	112.1	156.4
100°	14.0	14.0	4.7	4.7	18.7	51.4	184.5	170.4	100.4	37.4	44.4
102.5°	16.3	16.3	4.7	4.7	11.7	25.7	88.7	86.4	56.0	9.3	16.3
105°	16.3	18.7	4.7	4.7	4.7	11.7	32.7	39.7	28.0	9.3	16.3
107.5°	18.7	21.0	4.7	4.7	4.7	7.0	14.0	14.0	9.3	9.3	16.3



REPORT NUMBER: P560553

CATALOG NUMBER: SDL-PA1-50-740-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	14.0	14.0	2.3	4.7	4.7	4.7	2.3	4.7	4.7	7.0	14.0
115°	7.0	4.7	2.3	4.7	2.3	4.7	2.3	4.7	7.0	7.0	16.3
117.5°	2.3	2.3	2.3	2.3	2.3	4.7	2.3	4.7	4.7	11.7	21.0
120°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	16.3	25.7
122.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	16.3	30.4
125°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	11.7	28.0
127.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	11.7	23.3
130°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	9.3	21.0
132.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	9.3	16.3
135°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	11.7
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7
140°	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	2.3	2.3	2.3	2.3	4.7	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3
150°	9.3	9.3	9.3	7.0	4.7	2.3	7.0	4.7	2.3	2.3	2.3
152.5°	7.0	7.0	11.7	4.7	2.3	2.3	2.3	7.0	7.0	2.3	2.3
155°	7.0	7.0	4.7	2.3	2.3	2.3	2.3	2.3	2.3	7.0	9.3
157.5°	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	4.7	2.3
160°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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: P560553

CATALOG NUMBER: SDL-PA1-50-740-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6	1335.6
2.5°	1326.2	1312.2	1274.9	1239.8	1197.8	1172.1	1083.4	983.0	962.0	957.3	941.0
5°	1293.5	1263.2	1190.8	1036.7	882.6	812.5	779.9	754.2	719.1	712.1	702.8
7.5°	1097.4	1046.0	934.0	744.8	721.5	656.1	602.4	558.0	462.3	436.6	422.6
10°	912.9	868.6	637.4	541.7	492.7	443.6	385.3	340.9	301.2	282.5	275.5
12.5°	737.8	693.5	476.3	429.6	305.9	252.2	219.5	182.1	151.8	135.4	135.4
15°	817.2	744.8	492.7	305.9	200.8	149.4	109.7	98.1	114.4	116.7	116.7
17.5°	667.8	595.4	387.6	238.2	147.1	81.7	88.7	100.4	109.7	95.7	98.1
20°	768.2	667.8	389.9	179.8	93.4	79.4	81.7	74.7	100.4	102.7	102.7
22.5°	581.4	525.4	294.2	142.4	72.4	74.7	70.0	84.1	93.4	81.7	79.4
25°	751.8	618.7	298.9	91.1	72.4	60.7	72.4	65.4	86.4	88.7	88.7
27.5°	861.6	693.5	261.5	79.4	60.7	65.4	58.4	67.7	65.4	65.4	65.4
30°	978.3	756.5	254.5	77.1	58.4	53.7	56.0	53.7	63.0	65.4	65.4
32.5°	978.3	723.8	193.8	77.1	56.0	51.4	44.4	49.0	51.4	56.0	58.4
35°	985.3	695.8	142.4	70.0	51.4	44.4	39.7	39.7	44.4	46.7	46.7
37.5°	1006.3	677.1	109.7	65.4	46.7	39.7	32.7	35.0	60.7	67.7	67.7
40°	1064.7	677.1	93.4	60.7	42.0	35.0	28.0	44.4	51.4	60.7	60.7
42.5°	1155.8	686.5	88.7	58.4	37.4	30.4	23.3	35.0	63.0	72.4	74.7
45°	1251.5	705.1	84.1	56.0	35.0	25.7	28.0	42.0	49.0	65.4	65.4
47.5°	1384.6	744.8	81.7	53.7	32.7	21.0	25.7	42.0	53.7	70.0	70.0
50°	1529.4	786.9	77.1	51.4	28.0	18.7	39.7	35.0	44.4	72.4	72.4
52.5°	1678.8	835.9	74.7	49.0	25.7	25.7	44.4	42.0	53.7	70.0	72.4
55°	1809.5	875.6	70.0	49.0	23.3	23.3	46.7	42.0	49.0	65.4	67.7
57.5°	1872.6	882.6	67.7	46.7	21.0	23.3	44.4	51.4	44.4	53.7	58.4
60°	1952.0	901.3	60.7	42.0	18.7	30.4	51.4	67.7	60.7	70.0	74.7
62.5°	2026.7	915.3	53.7	37.4	16.3	32.7	67.7	81.7	65.4	81.7	91.1
65°	2164.4	945.6	44.4	30.4	14.0	37.4	77.1	98.1	72.4	95.7	95.7
67.5°	2355.9	994.7	35.0	25.7	14.0	42.0	79.4	112.1	86.4	105.1	102.7
70°	2430.6	915.3	30.4	23.3	14.0	49.0	86.4	121.4	91.1	116.7	116.7
72.5°	2120.1	660.8	25.7	23.3	23.3	56.0	107.4	133.1	100.4	147.1	144.8
75°	1636.8	415.6	25.7	23.3	28.0	70.0	121.4	142.4	107.4	163.4	161.1
77.5°	1090.4	196.1	25.7	25.7	32.7	77.1	130.8	151.8	119.1	182.1	179.8
80°	427.3	107.4	28.0	28.0	39.7	81.7	140.1	156.4	123.7	196.1	193.8
82.5°	205.5	74.7	28.0	28.0	53.7	91.1	149.4	163.4	128.4	198.5	196.1
85°	175.1	70.0	25.7	30.4	65.4	114.4	158.8	161.1	130.8	189.1	189.1
87.5°	156.4	67.7	25.7	30.4	88.7	133.1	165.8	158.8	140.1	184.5	184.5
90°	161.1	72.4	28.0	35.0	100.4	135.4	168.1	158.8	135.4	170.4	170.4
92.5°	172.8	77.1	30.4	37.4	100.4	126.1	156.4	142.4	126.1	144.8	142.4
95°	182.1	81.7	32.7	42.0	88.7	98.1	130.8	114.4	105.1	112.1	112.1
97.5°	140.1	63.0	37.4	46.7	67.7	58.4	81.7	74.7	56.0	46.7	46.7
100°	37.4	21.0	39.7	46.7	46.7	39.7	60.7	56.0	37.4	16.3	16.3
102.5°	14.0	14.0	37.4	44.4	37.4	30.4	44.4	42.0	30.4	4.7	4.7
105°	14.0	11.7	23.3	35.0	23.3	16.3	23.3	28.0	18.7	4.7	4.7
107.5°	14.0	11.7	14.0	21.0	9.3	7.0	9.3	9.3	9.3	2.3	4.7



REPORT NUMBER: P560553

CATALOG NUMBER: SDL-PA1-50-740-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.0	11.7	7.0	9.3	7.0	7.0	4.7	4.7	7.0	14.0	14.0
115°	14.0	11.7	7.0	7.0	4.7	7.0	4.7	2.3	7.0	16.3	18.7
117.5°	18.7	11.7	4.7	4.7	4.7	4.7	4.7	2.3	7.0	21.0	23.3
120°	23.3	14.0	4.7	4.7	4.7	2.3	4.7	2.3	9.3	21.0	23.3
122.5°	25.7	16.3	4.7	4.7	4.7	2.3	2.3	4.7	9.3	21.0	21.0
125°	25.7	16.3	4.7	4.7	2.3	2.3	2.3	2.3	9.3	21.0	23.3
127.5°	21.0	14.0	4.7	4.7	2.3	2.3	2.3	2.3	9.3	18.7	21.0
130°	18.7	14.0	4.7	4.7	2.3	2.3	2.3	2.3	9.3	16.3	18.7
132.5°	14.0	11.7	4.7	2.3	2.3	2.3	2.3	2.3	9.3	14.0	16.3
135°	11.7	7.0	4.7	2.3	2.3	2.3	2.3	2.3	7.0	14.0	14.0
137.5°	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	4.7	7.0	7.0
140°	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7
142.5°	2.3	4.7	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
145°	2.3	4.7	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
147.5°	2.3	4.7	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
150°	2.3	4.7	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	4.7
152.5°	2.3	4.7	2.3	2.3	2.3	0.0	0.0	2.3	2.3	2.3	2.3
155°	9.3	7.0	4.7	2.3	2.3	0.0	0.0	0.0	2.3	2.3	2.3
157.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3	2.3
160°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3	2.3
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



--- HS --- SS



u



110°	18.7	18.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	9.3	16.3
------	------	------	-----	-----	-----	-----	-----	-----	-----	-----	------



110°	14.0	11.7	7.0	9.3	7.0	7.0	7.0	4.7	4.7	9.3	9.3
------	------	------	-----	-----	-----	-----	-----	-----	-----	-----	-----



(END OF REPORT)