

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: P560399

Luminaire Tested: **SDL-PA1-40-750-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560399
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-PA1-40-750-U-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 5000K, 500mA 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: 3894.1 lumens
Efficiency: N/A
Efficacy: 98.8 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): 39.4
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

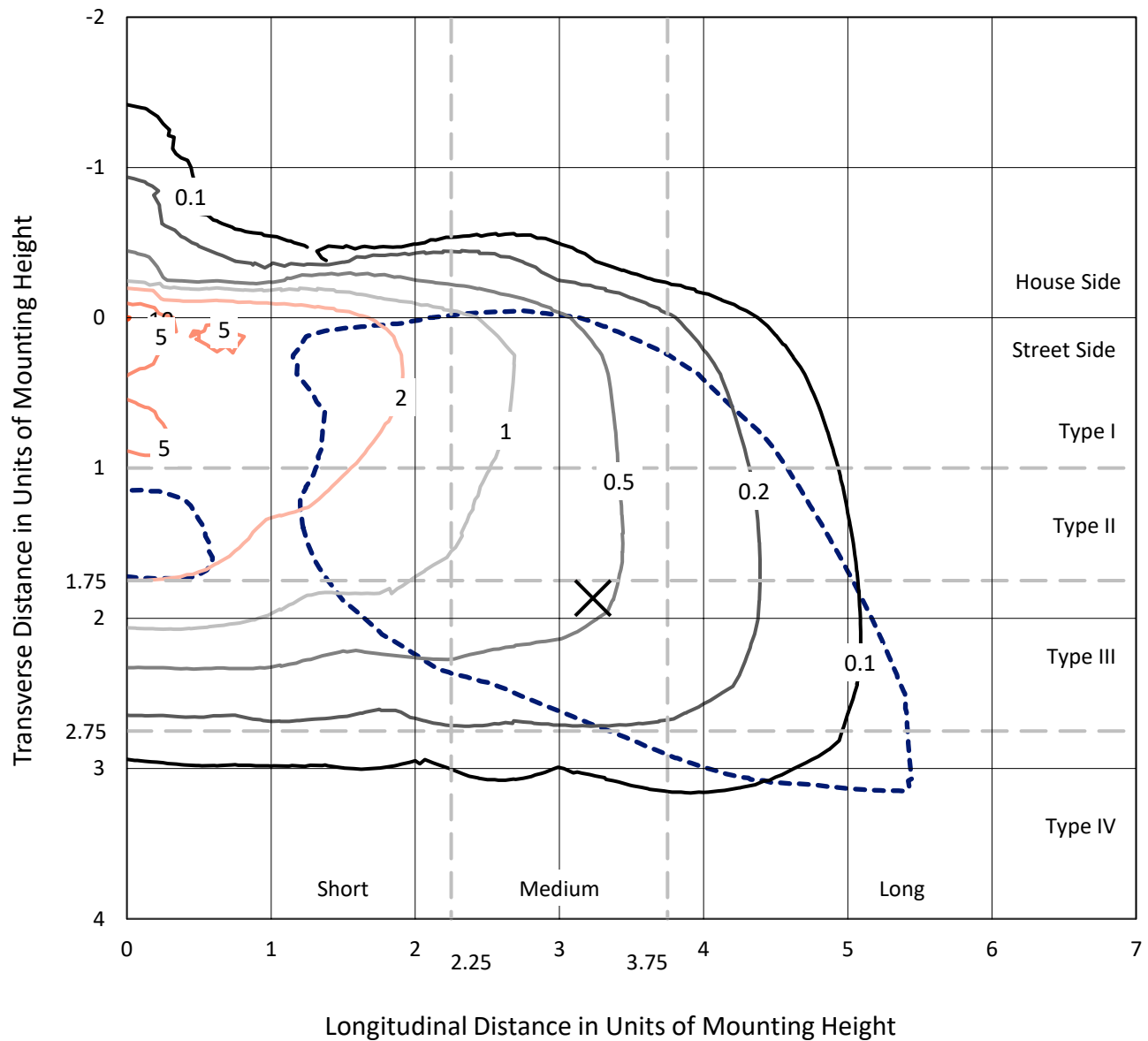


REPORT NUMBER: P560399

CATALOG NUMBER: SDL-PA1-40-750-U-SL3-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

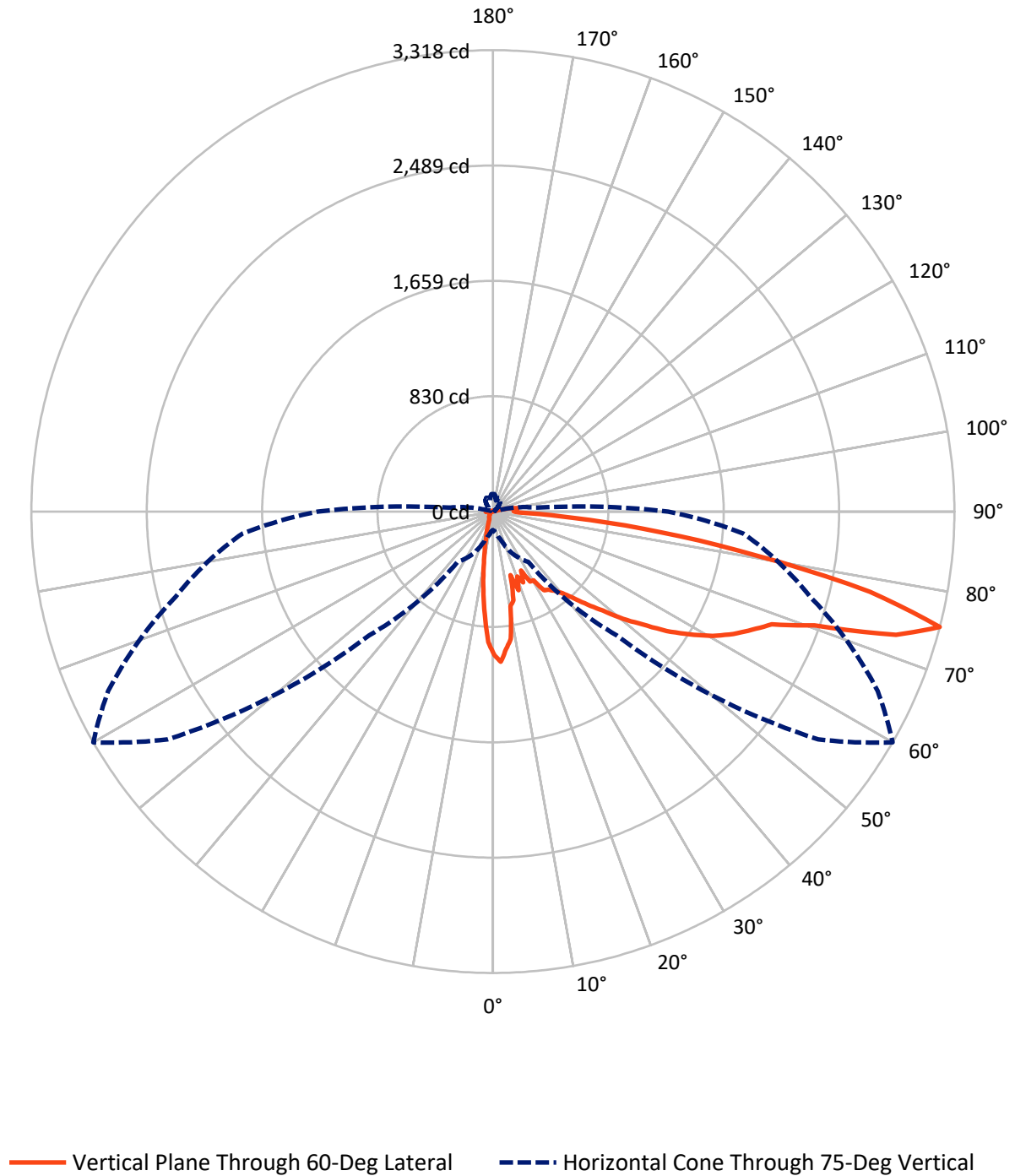
× Max cd
- - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
Type IV - Medium - N/A

REPORT NUMBER: P560399
CATALOG NUMBER: SDL-PA1-40-750-U-SL3-HSS-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560399

CATALOG NUMBER: SDL-PA1-40-750-U-SL3-HSS-A

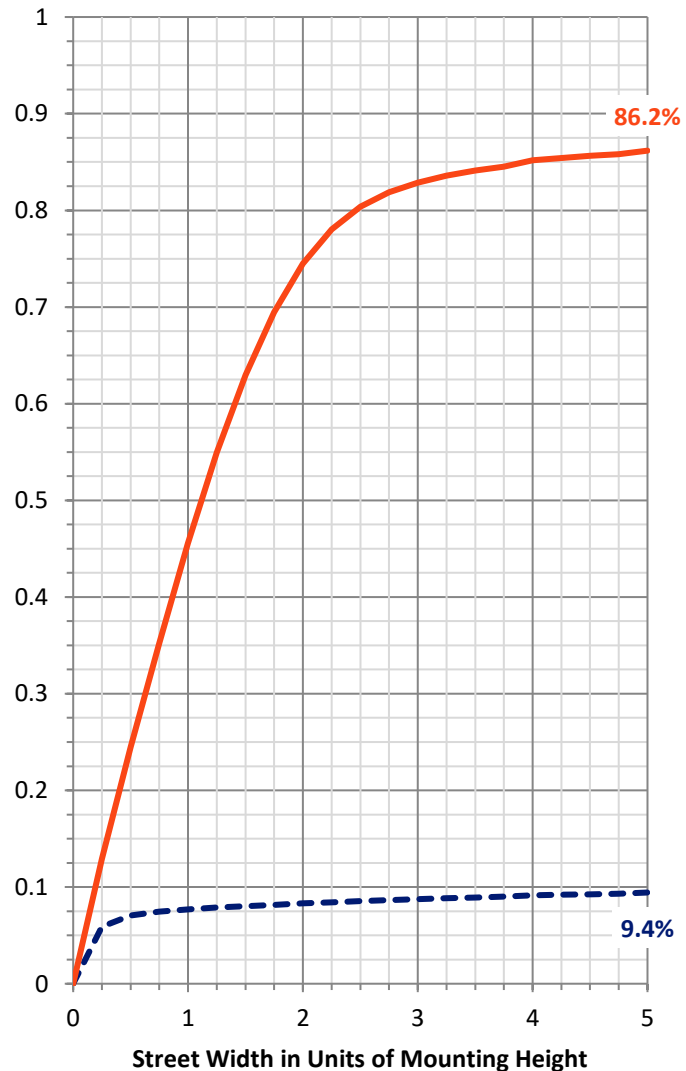
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	402.5	52.5	454.9
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	3384.3	54.9	3439.1
	% Fixture	86.9	1.4	88.3
Total	Lumens	3786.7	107.3	3894.1
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.4	1.8
10°-20°	117.2	3.0
20°-30°	165.6	4.3
30°-40°	297.7	7.6
40°-50°	501.6	12.9
50°-60°	780.2	20.0
60°-70°	920.7	23.6
70°-80°	746.8	19.2
80°-90°	185.4	4.8
90°-100°	74.9	1.9
100°-110°	17.3	0.4
110°-120°	5.4	0.1
120°-130°	4.8	0.1
130°-140°	2.6	0.1
140°-150°	1.2	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3786.7	97.2
0°-180°	3894.1	100.0



REPORT NUMBER: P560399

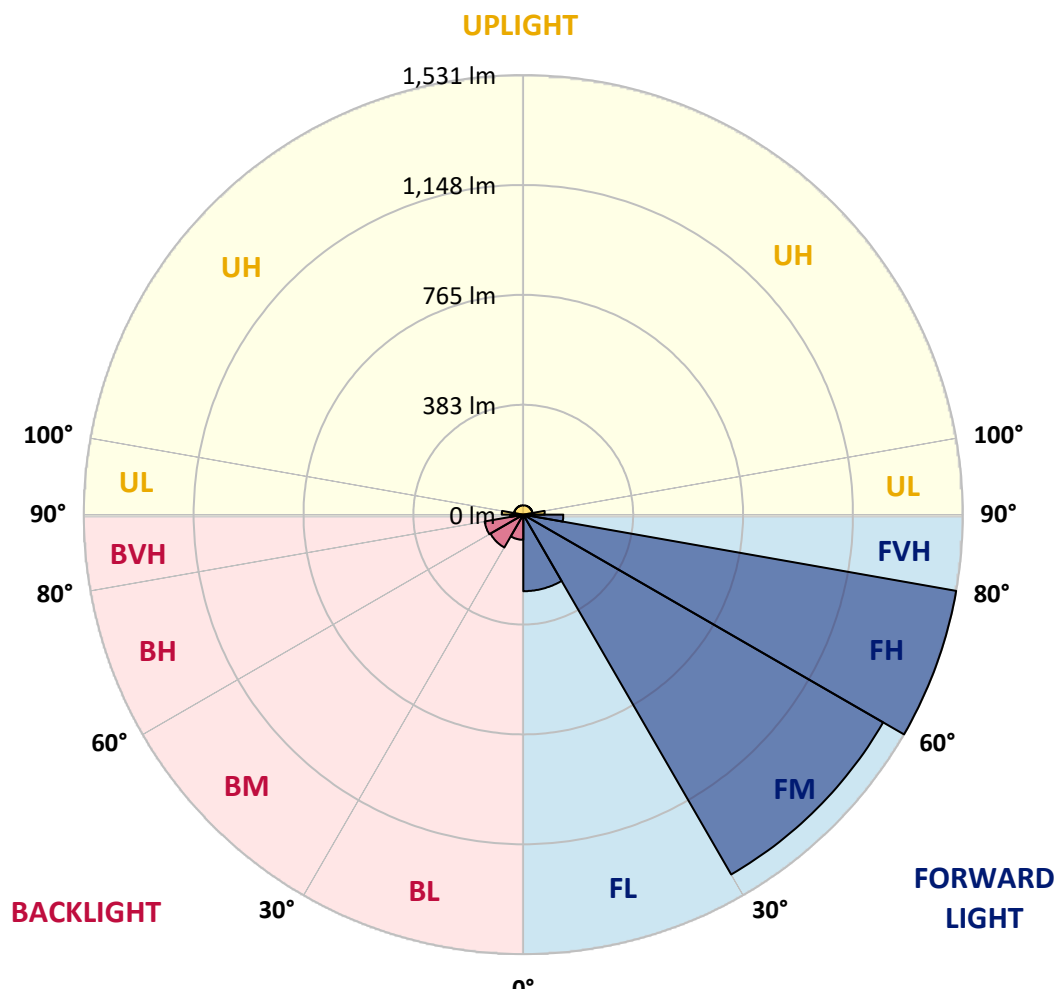
CATALOG NUMBER: SDL-PA1-40-750-U-SL3-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	266.7	6.8			
FM	(30°-60°)	1447.2	37.2			
FH	(60°-80°)	1530.9	39.3			G1/1800
FVH	(80°-90°)	139.4	3.6			G2/225
BL	(0°-30°)	87.5	2.2	B0/110		
BM	(30°-60°)	132.3	3.4	B0/220		
BH	(60°-80°)	136.6	3.5	B1/500		G1/500
BVH	(80°-90°)	46.0	1.2			G1/100
UL	(90°-100°)	74.9	1.9		U3/500	
UH	(100°-180°)	32.5	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





REPORT NUMBER: P560399

CATALOG NUMBER: SDL-PA1-40-750-U-SL3-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1029.3	1029.3	1029.3	1029.3	1029.3	1029.3	1029.3	1029.3	1029.3	1029.3	1029.3
2.5°	968.2	1041.9	1020.3	1088.7	1097.7	1094.1	1090.5	1081.5	1072.5	1056.3	1031.1
5°	928.6	935.8	930.4	943.0	944.8	950.2	941.2	991.6	1076.1	1054.5	1015.0
7.5°	763.0	838.6	847.6	871.0	892.6	914.2	926.8	925.0	817.0	917.8	872.8
10°	779.2	790.0	788.2	804.4	786.4	755.8	689.2	691.0	691.0	712.6	736.0
12.5°	617.2	649.6	728.8	754.0	700.0	637.0	642.4	655.0	664.0	563.3	620.8
15°	700.0	701.8	703.6	703.6	527.3	602.9	525.5	475.1	543.5	665.8	676.6
17.5°	548.9	543.5	633.4	626.2	581.3	448.1	583.1	595.7	572.3	559.7	563.3
20°	644.2	644.2	638.8	509.3	536.3	577.7	500.3	498.5	527.3	655.0	662.2
22.5°	521.9	516.5	545.3	566.9	509.3	550.7	493.1	554.3	613.6	579.5	473.3
25°	653.2	653.2	631.6	491.3	527.3	473.3	547.1	469.7	521.9	709.0	674.8
27.5°	604.7	588.5	538.1	557.9	473.3	550.7	503.9	570.5	602.9	734.2	786.4
30°	781.0	775.6	718.0	561.5	538.1	505.7	541.7	574.1	694.6	952.0	908.8
32.5°	1041.9	1013.2	817.0	694.6	565.1	599.3	577.7	674.8	763.0	973.6	921.4
35°	1112.1	1090.5	997.0	844.0	633.4	633.4	620.8	689.2	782.8	1020.3	948.4
37.5°	1135.5	1133.7	1101.3	923.2	727.0	728.8	656.8	723.4	822.4	1083.3	988.0
40°	1149.9	1153.5	1185.9	1006.0	826.0	822.4	723.4	772.0	883.6	1151.7	1059.9
42.5°	1211.1	1230.9	1270.5	1097.7	919.6	921.4	804.4	849.4	964.6	1265.1	1158.9
45°	1347.9	1353.3	1376.7	1223.7	1007.8	1020.3	907.0	953.8	1063.5	1389.3	1270.5
47.5°	1554.8	1554.8	1515.2	1322.7	1112.1	1130.1	1015.0	1063.5	1180.5	1571.0	1400.1
50°	1738.4	1724.0	1637.6	1439.6	1196.7	1236.3	1157.1	1212.9	1279.5	1709.6	1562.0
52.5°	1853.5	1848.1	1742.0	1518.8	1286.7	1353.3	1274.1	1346.1	1394.7	1853.5	1707.8
55°	1837.3	1837.3	1769.0	1560.2	1369.5	1459.4	1425.3	1515.2	1533.2	1990.3	1814.0
57.5°	1776.2	1785.2	1752.8	1576.4	1385.7	1560.2	1580.0	1664.6	1695.2	2069.5	1880.5
60°	1652.0	1670.0	1704.2	1598.0	1448.6	1673.6	1738.4	1814.0	1871.5	2128.9	1936.3
62.5°	1419.9	1443.2	1563.8	1596.2	1497.2	1790.6	1873.3	1939.9	1993.9	2161.3	1975.9
65°	1076.1	1119.3	1293.9	1481.0	1493.6	1927.3	1983.1	2047.9	2100.1	2193.7	2078.5
67.5°	687.4	689.2	878.2	1223.7	1392.9	2119.9	2130.7	2163.1	2197.3	2283.6	2224.3
70°	354.5	372.5	462.5	781.0	1140.9	2159.5	2499.6	2452.8	2400.6	2479.8	2413.2
72.5°	235.7	255.5	304.1	421.1	716.2	1947.1	2900.9	3030.5	2800.1	2625.6	2247.6
75°	133.2	144.0	203.4	332.9	442.7	1257.9	2855.9	3318.4	3052.1	2359.2	1806.8
77.5°	59.4	63.0	91.8	260.9	379.7	613.6	2247.6	2773.1	2666.9	1966.9	1302.9
80°	32.4	32.4	43.2	120.6	322.1	462.5	1491.8	1930.9	1814.0	1185.9	592.1
82.5°	18.0	19.8	25.2	57.6	196.2	422.9	943.0	1211.1	957.4	325.7	239.3
85°	7.2	7.2	10.8	30.6	72.0	358.1	516.5	575.9	386.9	165.6	185.4
87.5°	3.6	3.6	3.6	10.8	23.4	91.8	169.2	181.8	142.2	131.4	160.2
90°	5.4	5.4	3.6	3.6	16.2	97.2	142.2	149.4	117.0	131.4	162.0
92.5°	7.2	5.4	3.6	3.6	12.6	97.2	162.0	160.2	117.0	131.4	167.4
95°	9.0	7.2	3.6	3.6	12.6	86.4	194.4	174.6	126.0	133.2	176.4
97.5°	9.0	9.0	3.6	3.6	12.6	66.6	205.1	176.4	109.8	86.4	120.6
100°	10.8	10.8	3.6	3.6	14.4	39.6	142.2	131.4	77.4	28.8	34.2
102.5°	12.6	12.6	3.6	3.6	9.0	19.8	68.4	66.6	43.2	7.2	12.6
105°	12.6	14.4	3.6	3.6	3.6	9.0	25.2	30.6	21.6	7.2	12.6
107.5°	14.4	16.2	3.6	3.6	3.6	5.4	10.8	10.8	7.2	7.2	12.6



REPORT NUMBER: P560399

CATALOG NUMBER: SDL-PA1-40-750-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	10.8	10.8	1.8	3.6	3.6	3.6	1.8	3.6	3.6	5.4	10.8
115°	5.4	3.6	1.8	3.6	1.8	3.6	1.8	3.6	5.4	5.4	12.6
117.5°	1.8	1.8	1.8	1.8	1.8	3.6	1.8	3.6	3.6	9.0	16.2
120°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6	12.6	19.8
122.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6	12.6	23.4
125°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6	9.0	21.6
127.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6	9.0	18.0
130°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6	7.2	16.2
132.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	7.2	12.6
135°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	9.0
137.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6
140°	1.8	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
142.5°	1.8	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
145°	1.8	1.8	1.8	1.8	3.6	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	1.8	1.8	1.8	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8
150°	7.2	7.2	7.2	5.4	3.6	1.8	5.4	3.6	1.8	1.8	1.8
152.5°	5.4	5.4	9.0	3.6	1.8	1.8	1.8	5.4	5.4	1.8	1.8
155°	5.4	5.4	3.6	1.8	1.8	1.8	1.8	1.8	1.8	5.4	7.2
157.5°	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8	1.8	3.6	1.8
160°	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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: P560399

CATALOG NUMBER: SDL-PA1-40-750-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1029.3	1029.3	1029.3	1029.3	1029.3	1029.3	1029.3	1029.3	1029.3	1029.3	1029.3
2.5°	1022.1	1011.4	982.6	955.6	923.2	903.4	835.0	757.6	741.4	737.8	725.2
5°	997.0	973.6	917.8	799.0	680.2	626.2	601.1	581.3	554.3	548.9	541.7
7.5°	845.8	806.2	719.8	574.1	556.1	505.7	464.3	430.1	356.3	336.5	325.7
10°	703.6	669.4	491.3	417.5	379.7	341.9	296.9	262.7	232.1	217.7	212.3
12.5°	568.7	534.5	367.1	331.1	235.7	194.4	169.2	140.4	117.0	104.4	104.4
15°	629.8	574.1	379.7	235.7	154.8	115.2	84.6	75.6	88.2	90.0	90.0
17.5°	514.7	458.9	298.7	183.6	113.4	63.0	68.4	77.4	84.6	73.8	75.6
20°	592.1	514.7	300.5	138.6	72.0	61.2	63.0	57.6	77.4	79.2	79.2
22.5°	448.1	404.9	226.7	109.8	55.8	57.6	54.0	64.8	72.0	63.0	61.2
25°	579.5	476.9	230.3	70.2	55.8	46.8	55.8	50.4	66.6	68.4	68.4
27.5°	664.0	534.5	201.6	61.2	46.8	50.4	45.0	52.2	50.4	50.4	50.4
30°	754.0	583.1	196.2	59.4	45.0	41.4	43.2	41.4	48.6	50.4	50.4
32.5°	754.0	557.9	149.4	59.4	43.2	39.6	34.2	37.8	39.6	43.2	45.0
35°	759.4	536.3	109.8	54.0	39.6	34.2	30.6	30.6	34.2	36.0	36.0
37.5°	775.6	521.9	84.6	50.4	36.0	30.6	25.2	27.0	46.8	52.2	52.2
40°	820.6	521.9	72.0	46.8	32.4	27.0	21.6	34.2	39.6	46.8	46.8
42.5°	890.8	529.1	68.4	45.0	28.8	23.4	18.0	27.0	48.6	55.8	57.6
45°	964.6	543.5	64.8	43.2	27.0	19.8	21.6	32.4	37.8	50.4	50.4
47.5°	1067.1	574.1	63.0	41.4	25.2	16.2	19.8	32.4	41.4	54.0	54.0
50°	1178.7	606.5	59.4	39.6	21.6	14.4	30.6	27.0	34.2	55.8	55.8
52.5°	1293.9	644.2	57.6	37.8	19.8	19.8	34.2	32.4	41.4	54.0	55.8
55°	1394.7	674.8	54.0	37.8	18.0	18.0	36.0	32.4	37.8	50.4	52.2
57.5°	1443.2	680.2	52.2	36.0	16.2	18.0	34.2	39.6	34.2	41.4	45.0
60°	1504.4	694.6	46.8	32.4	14.4	23.4	39.6	52.2	46.8	54.0	57.6
62.5°	1562.0	705.4	41.4	28.8	12.6	25.2	52.2	63.0	50.4	63.0	70.2
65°	1668.2	728.8	34.2	23.4	10.8	28.8	59.4	75.6	55.8	73.8	73.8
67.5°	1815.8	766.6	27.0	19.8	10.8	32.4	61.2	86.4	66.6	81.0	79.2
70°	1873.3	705.4	23.4	18.0	10.8	37.8	66.6	93.6	70.2	90.0	90.0
72.5°	1634.0	509.3	19.8	18.0	18.0	43.2	82.8	102.6	77.4	113.4	111.6
75°	1261.5	320.3	19.8	18.0	21.6	54.0	93.6	109.8	82.8	126.0	124.2
77.5°	840.4	151.2	19.8	19.8	25.2	59.4	100.8	117.0	91.8	140.4	138.6
80°	329.3	82.8	21.6	21.6	30.6	63.0	108.0	120.6	95.4	151.2	149.4
82.5°	158.4	57.6	21.6	21.6	41.4	70.2	115.2	126.0	99.0	153.0	151.2
85°	135.0	54.0	19.8	23.4	50.4	88.2	122.4	124.2	100.8	145.8	145.8
87.5°	120.6	52.2	19.8	23.4	68.4	102.6	127.8	122.4	108.0	142.2	142.2
90°	124.2	55.8	21.6	27.0	77.4	104.4	129.6	122.4	104.4	131.4	131.4
92.5°	133.2	59.4	23.4	28.8	77.4	97.2	120.6	109.8	97.2	111.6	109.8
95°	140.4	63.0	25.2	32.4	68.4	75.6	100.8	88.2	81.0	86.4	86.4
97.5°	108.0	48.6	28.8	36.0	52.2	45.0	63.0	57.6	43.2	36.0	36.0
100°	28.8	16.2	30.6	36.0	36.0	30.6	46.8	43.2	28.8	12.6	12.6
102.5°	10.8	10.8	28.8	34.2	28.8	23.4	34.2	32.4	23.4	3.6	3.6
105°	10.8	9.0	18.0	27.0	18.0	12.6	18.0	21.6	14.4	3.6	3.6
107.5°	10.8	9.0	10.8	16.2	7.2	5.4	7.2	7.2	7.2	1.8	3.6



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CATALOG NUMBER: SDL-PA1-40-750-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.8	9.0	5.4	7.2	5.4	5.4	3.6	3.6	5.4	10.8	10.8
115°	10.8	9.0	5.4	5.4	3.6	5.4	3.6	1.8	5.4	12.6	14.4
117.5°	14.4	9.0	3.6	3.6	3.6	3.6	3.6	1.8	5.4	16.2	18.0
120°	18.0	10.8	3.6	3.6	3.6	1.8	3.6	1.8	7.2	16.2	18.0
122.5°	19.8	12.6	3.6	3.6	3.6	1.8	1.8	3.6	7.2	16.2	16.2
125°	19.8	12.6	3.6	3.6	1.8	1.8	1.8	1.8	7.2	16.2	18.0
127.5°	16.2	10.8	3.6	3.6	1.8	1.8	1.8	1.8	7.2	14.4	16.2
130°	14.4	10.8	3.6	3.6	1.8	1.8	1.8	1.8	7.2	12.6	14.4
132.5°	10.8	9.0	3.6	1.8	1.8	1.8	1.8	1.8	7.2	10.8	12.6
135°	9.0	5.4	3.6	1.8	1.8	1.8	1.8	1.8	5.4	10.8	10.8
137.5°	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8	3.6	5.4	5.4
140°	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6
142.5°	1.8	3.6	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8
145°	1.8	3.6	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8
147.5°	1.8	3.6	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8
150°	1.8	3.6	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	3.6
152.5°	1.8	3.6	1.8	1.8	1.8	0.0	0.0	1.8	1.8	1.8	1.8
155°	7.2	5.4	3.6	1.8	1.8	0.0	0.0	0.0	1.8	1.8	1.8
157.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	1.8	1.8	1.8
160°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	1.8	1.8	1.8
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°	14.4	14.4	3.6	3.6	3.6	3.6	3.6	3.6	3.6	7.2	12.6
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110°	10.8	9.0	5.4	7.2	5.4	5.4	5.4	3.6	3.6	7.2	7.2
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(END OF REPORT)