

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: P560224

Luminaire Tested: **SDL-PA1-30-750-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560224
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-14)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-750-U-SL3-HSS
Description: Springdale
(1) 70 CRI, 5000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3174.7 lumens
Efficiency: N/A
Efficacy: 105.5 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: B0 - U0 - G1

Input Watts (W): 30.1
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

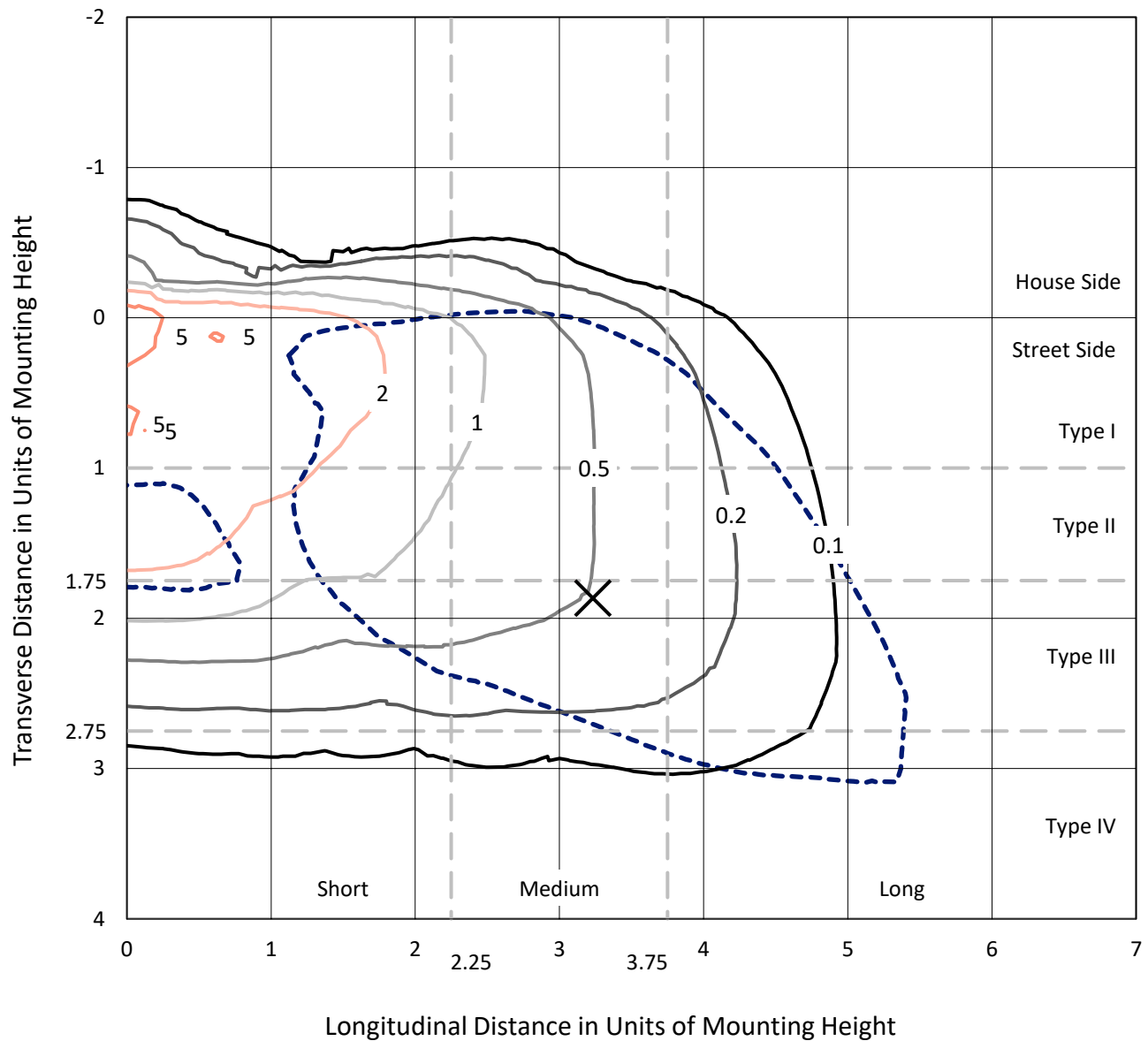


REPORT NUMBER: P560224

CATALOG NUMBER: SDL-PA1-30-750-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

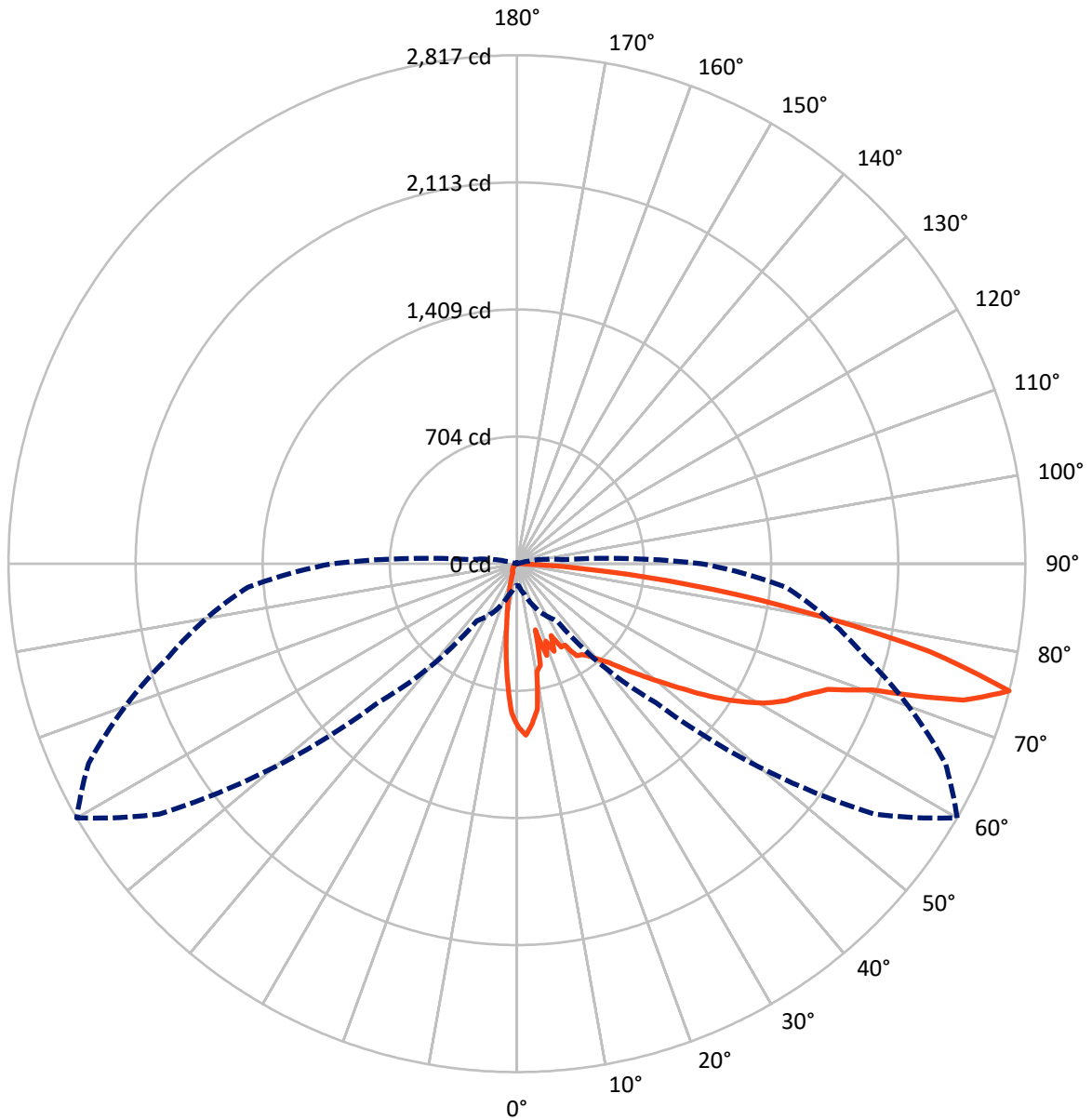


Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560224

CATALOG NUMBER: SDL-PA1-30-750-U-SL3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P560224

CATALOG NUMBER: SDL-PA1-30-750-U-SL3-HSS

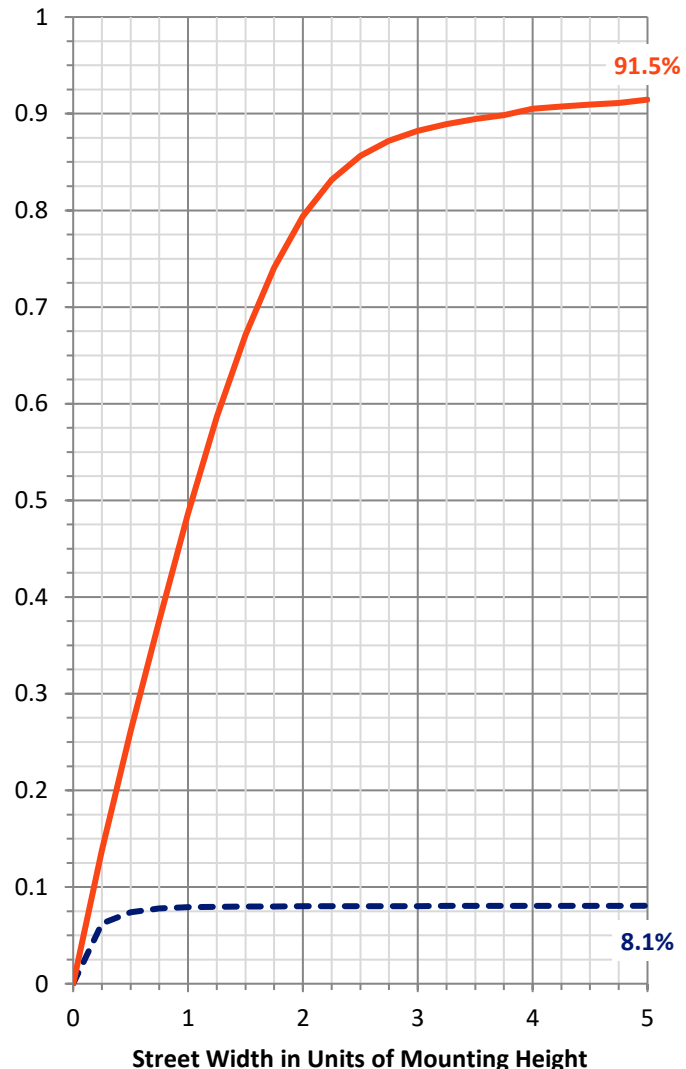
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	258.6	0.0	258.6
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	2916.1	0.0	2916.1
	% Fixture	91.9	0.0	91.9
Total	Lumens	3174.7	0.0	3174.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.6	2.0
10°-20°	103.9	3.3
20°-30°	148.8	4.7
30°-40°	265.0	8.3
40°-50°	436.1	13.7
50°-60°	672.5	21.2
60°-70°	783.7	24.7
70°-80°	607.3	19.1
80°-90°	94.8	3.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3174.7	100.0
0°-180°	3174.7	100.0



REPORT NUMBER: P560224

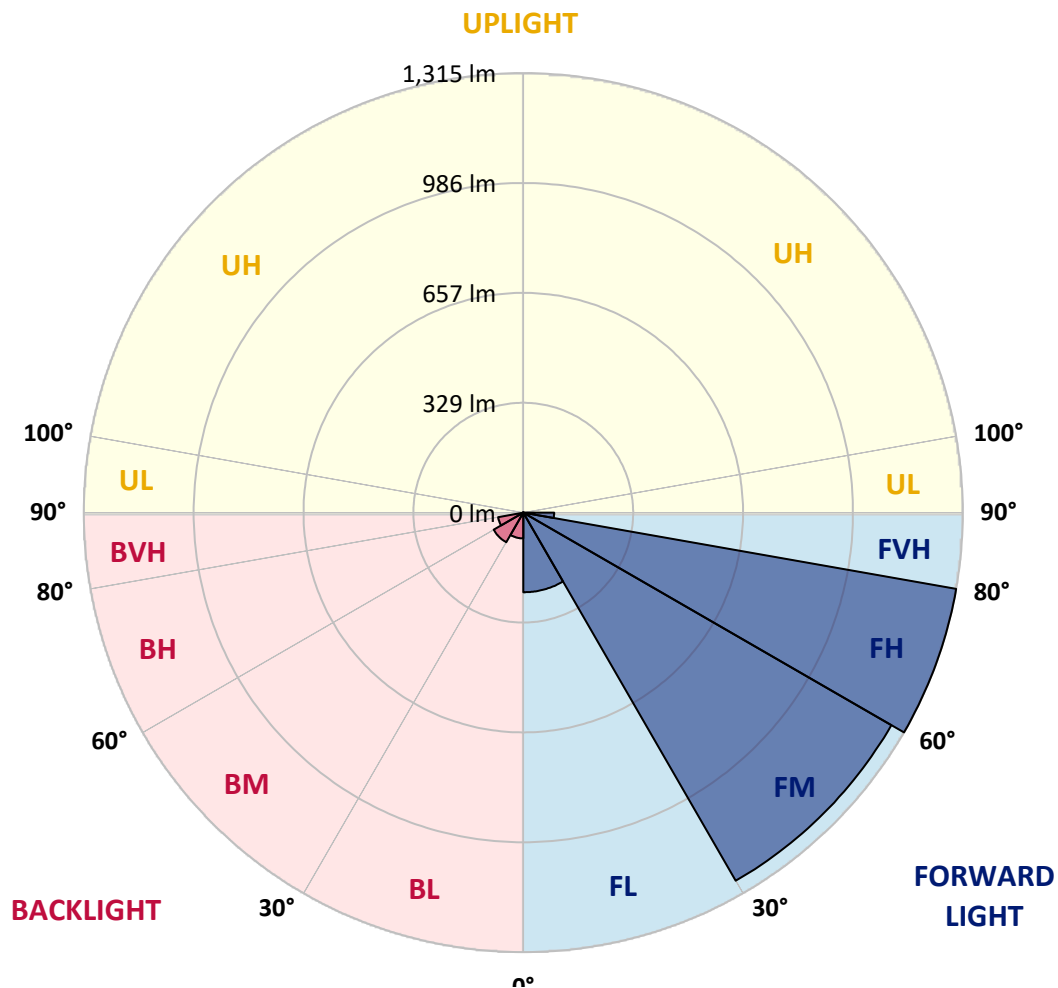
CATALOG NUMBER: SDL-PA1-30-750-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	238.2	7.5			
FM	(30°-60°)	1271.1	40.0			
FH	(60°-80°)	1314.5	41.4			G1/1800
FVH	(80°-90°)	92.2	2.9			G1/100
BL	(0°-30°)	77.1	2.4	B0/110		
BM	(30°-60°)	102.4	3.2	B0/220		
BH	(60°-80°)	76.5	2.4	B0/110		G0/110
BVH	(80°-90°)	2.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Medium



REPORT NUMBER: P560224

CATALOG NUMBER: SDL-PA1-30-750-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7
2.5°	845.4	877.1	896.4	914.3	937.8	961.2	962.6	964.0	964.0	964.0	962.6
5°	816.4	819.2	819.2	819.2	823.3	827.4	830.2	831.6	832.9	832.9	831.6
7.5°	638.5	689.5	721.2	751.6	759.9	768.1	779.2	788.8	797.1	804.0	809.5
10°	707.5	713.0	713.0	711.6	718.5	724.0	670.2	615.1	637.1	659.2	631.6
12.5°	546.1	573.7	608.2	641.3	663.3	685.4	660.6	635.7	597.1	557.1	554.4
15°	638.5	642.6	644.0	645.4	608.2	569.5	524.0	477.1	508.9	540.6	495.1
17.5°	490.9	495.1	533.7	572.3	576.4	580.6	551.6	521.3	455.1	388.9	450.9
20°	587.5	590.2	590.2	590.2	517.1	444.1	449.6	453.7	474.4	495.1	479.9
22.5°	473.0	467.5	470.3	471.6	493.7	514.4	471.6	427.5	459.2	489.6	463.4
25°	591.6	593.0	584.7	575.1	510.2	444.1	467.5	489.6	452.3	413.7	450.9
27.5°	535.1	529.6	510.2	490.9	500.6	510.2	466.1	420.6	456.5	490.9	474.4
30°	704.7	701.9	677.1	650.9	573.7	495.1	486.8	477.1	456.5	434.4	463.4
32.5°	940.5	907.4	815.0	721.2	673.0	623.3	562.7	502.0	508.9	514.4	518.5
35°	992.9	977.7	937.8	897.8	823.3	747.4	664.7	580.6	561.3	542.0	553.0
37.5°	1006.7	1001.2	995.7	988.8	900.5	812.3	729.5	645.4	630.2	613.7	601.3
40°	1020.5	1026.0	1042.6	1057.7	975.0	892.2	815.0	736.4	718.5	700.6	668.8
42.5°	1075.7	1079.8	1104.6	1129.4	1049.5	968.1	900.5	832.9	806.7	780.5	751.6
45°	1192.9	1197.0	1210.8	1224.6	1150.1	1074.3	999.8	924.0	903.3	881.2	848.1
47.5°	1355.6	1359.7	1352.8	1345.9	1260.4	1173.6	1085.3	997.0	990.2	983.3	948.8
50°	1541.8	1536.3	1499.0	1461.8	1368.0	1274.2	1170.8	1066.0	1071.5	1077.0	1052.2
52.5°	1627.3	1624.5	1581.8	1539.0	1442.5	1344.6	1237.0	1128.1	1147.4	1165.3	1151.5
55°	1621.8	1620.4	1591.4	1562.5	1471.4	1380.4	1279.8	1179.1	1223.2	1266.0	1257.7
57.5°	1561.1	1563.8	1559.7	1555.6	1475.6	1395.6	1314.2	1232.9	1299.1	1363.9	1374.9
60°	1465.9	1465.9	1486.6	1505.9	1459.0	1410.8	1343.2	1274.2	1365.3	1456.3	1483.9
62.5°	1267.3	1289.4	1333.5	1377.7	1392.8	1408.0	1352.8	1297.7	1423.2	1548.7	1588.7
65°	976.4	986.0	1066.0	1146.0	1220.5	1293.5	1297.7	1301.8	1493.5	1683.8	1697.6
67.5°	566.8	606.8	695.0	781.9	928.1	1072.9	1147.4	1221.8	1523.8	1824.5	1839.6
70°	297.9	314.4	357.2	398.5	529.6	659.2	844.0	1027.4	1453.5	1878.3	2010.6
72.5°	204.1	219.3	242.7	266.2	315.8	364.1	496.5	627.5	1157.0	1686.6	2097.5
75°	120.0	124.1	153.1	182.0	235.8	289.6	337.9	384.8	736.4	1086.7	1752.8
77.5°	48.3	52.4	64.8	77.2	153.1	227.5	277.2	326.8	411.0	495.1	1203.9
80°	26.2	26.2	31.7	35.9	69.0	100.7	186.2	271.7	313.0	354.4	780.5
82.5°	15.2	15.2	19.3	22.1	34.5	46.9	106.2	165.5	244.1	321.3	526.8
85°	5.5	5.5	6.9	8.3	16.5	23.4	38.6	52.4	151.7	249.6	303.4
87.5°	1.4	1.4	2.8	2.8	4.1	5.5	6.9	6.9	5.5	4.1	27.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560224

CATALOG NUMBER: SDL-PA1-30-750-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7
2.5°	959.8	951.5	946.0	936.4	926.7	918.4	908.8	896.4	886.7	874.3	861.9
5°	830.2	888.1	947.4	941.9	935.0	915.7	896.4	874.3	853.6	828.8	804.0
7.5°	813.6	812.3	755.7	784.7	812.3	790.2	768.1	743.3	715.7	667.5	619.2
10°	604.0	608.2	606.8	613.7	620.6	638.5	655.0	619.2	584.7	508.9	431.6
12.5°	551.6	577.8	584.7	537.8	490.9	510.2	529.6	493.7	459.2	388.9	318.6
15°	448.2	380.6	477.1	540.6	602.6	612.3	620.6	573.7	518.5	422.0	324.1
17.5°	511.6	535.1	507.5	508.9	508.9	510.2	511.6	468.9	413.7	340.6	267.5
20°	464.7	457.8	460.6	506.1	551.6	582.0	610.9	546.1	475.8	362.7	248.2
22.5°	437.2	526.8	565.4	546.1	526.8	478.5	428.9	379.2	321.3	264.8	206.9
25°	486.8	439.9	470.3	544.7	619.2	619.2	619.2	533.7	438.5	317.2	195.8
27.5°	457.8	522.7	553.0	612.3	670.2	695.0	718.5	609.5	484.0	333.7	182.0
30°	492.3	522.7	630.2	748.8	867.4	846.7	824.7	685.4	526.8	350.3	173.8
32.5°	522.7	608.2	703.3	793.0	882.6	859.1	834.3	679.9	502.0	315.8	129.6
35°	564.0	619.2	707.5	816.4	925.3	889.5	852.2	682.6	482.7	289.6	96.5
37.5°	588.9	649.5	744.7	859.1	972.2	928.1	884.0	695.0	466.1	270.3	74.5
40°	635.7	696.4	791.6	911.5	1031.5	980.5	928.1	717.1	456.5	259.3	62.1
42.5°	722.6	750.2	856.4	983.3	1110.1	1056.3	1001.2	764.0	453.7	253.7	53.8
45°	813.6	831.6	925.3	1067.4	1208.0	1152.9	1096.3	821.9	463.4	257.9	51.0
47.5°	912.9	922.6	1008.1	1184.6	1361.1	1285.3	1209.4	901.9	484.0	266.2	48.3
50°	1027.4	1027.4	1110.1	1300.4	1490.7	1412.1	1333.5	995.7	510.2	278.6	46.9
52.5°	1136.3	1151.5	1214.9	1409.4	1603.8	1530.7	1456.3	1099.1	544.7	295.1	44.1
55°	1248.0	1296.3	1319.7	1518.3	1716.9	1632.8	1548.7	1174.9	565.4	303.4	41.4
57.5°	1385.9	1437.0	1449.4	1617.6	1785.9	1704.5	1621.8	1239.8	580.6	310.3	40.0
60°	1511.4	1569.4	1594.2	1718.3	1841.0	1756.9	1672.8	1296.3	594.4	315.8	35.9
62.5°	1627.3	1671.4	1710.0	1790.0	1870.0	1791.4	1711.4	1345.9	602.6	317.2	31.7
65°	1711.4	1751.4	1806.5	1852.1	1897.6	1838.3	1779.0	1431.4	626.1	325.5	23.4
67.5°	1853.4	1857.6	1889.3	1926.5	1963.8	1932.0	1900.3	1550.0	653.7	336.5	17.9
70°	2141.7	2094.8	2053.4	2090.6	2126.5	2082.4	2038.2	1584.5	590.2	302.0	13.8
72.5°	2508.5	2587.1	2387.1	2309.9	2231.3	2068.6	1904.5	1363.9	419.2	215.1	11.0
75°	2418.8	2817.4	2620.2	2309.9	1999.6	1748.6	1496.3	1023.3	257.9	133.8	8.3
77.5°	1911.4	2338.9	2268.5	1948.6	1627.3	1318.4	1009.5	628.8	91.0	49.6	8.3
80°	1206.7	1617.6	1556.9	1266.0	973.6	692.3	411.0	191.7	34.5	22.1	9.7
82.5°	732.3	964.0	757.1	474.4	191.7	135.1	78.6	41.4	11.0	9.7	8.3
85°	355.8	398.5	260.6	150.3	38.6	35.9	31.7	20.7	5.5	5.5	4.1
87.5°	49.6	35.9	22.1	15.2	6.9	6.9	6.9	4.1	4.1	4.1	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560224

CATALOG NUMBER: SDL-PA1-30-750-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7	904.7
2.5°	852.2	841.2	828.8	816.4	802.6	788.8	748.8	707.5	685.4	661.9	656.4
5°	758.5	713.0	656.4	598.5	573.7	548.9	536.4	522.7	514.4	504.7	496.5
7.5°	555.8	490.9	490.9	489.6	468.9	448.2	424.7	399.9	384.8	369.6	329.6
10°	397.2	361.3	336.5	311.7	302.0	292.4	262.0	230.3	233.1	234.4	226.2
12.5°	307.5	295.1	249.6	204.1	188.9	173.8	164.1	154.5	140.7	126.9	117.2
15°	263.4	202.7	168.2	133.8	118.6	102.0	88.3	73.1	69.0	63.4	70.3
17.5°	216.5	164.1	131.0	97.9	75.8	53.8	56.5	59.3	64.8	70.3	73.1
20°	186.2	124.1	95.2	66.2	59.3	52.4	55.2	56.5	55.2	52.4	60.7
22.5°	151.7	96.5	73.1	48.3	49.6	51.0	46.9	42.8	51.0	59.3	59.3
25°	129.6	63.4	56.5	49.6	45.5	41.4	46.9	51.0	48.3	45.5	52.4
27.5°	118.6	55.2	48.3	41.4	42.8	44.1	42.8	40.0	44.1	48.3	46.9
30°	113.1	51.0	46.9	41.4	40.0	37.2	38.6	38.6	37.2	35.9	40.0
32.5°	91.0	52.4	45.5	37.2	35.9	33.1	31.7	30.3	31.7	33.1	34.5
35°	73.1	48.3	42.8	35.9	33.1	30.3	29.0	26.2	26.2	26.2	27.6
37.5°	59.3	44.1	38.6	31.7	29.0	26.2	24.8	22.1	22.1	22.1	22.1
40°	52.4	41.4	35.9	29.0	26.2	22.1	20.7	17.9	17.9	16.5	16.5
42.5°	45.5	37.2	31.7	24.8	22.1	19.3	16.5	13.8	13.8	12.4	12.4
45°	42.8	34.5	29.0	23.4	19.3	15.2	13.8	11.0	11.0	9.7	9.7
47.5°	41.4	33.1	27.6	20.7	16.5	12.4	11.0	8.3	8.3	8.3	8.3
50°	38.6	30.3	24.8	17.9	15.2	11.0	9.7	6.9	6.9	6.9	6.9
52.5°	37.2	29.0	22.1	15.2	12.4	8.3	6.9	5.5	5.5	5.5	5.5
55°	35.9	30.3	22.1	13.8	11.0	6.9	5.5	4.1	4.1	4.1	4.1
57.5°	34.5	29.0	20.7	11.0	8.3	5.5	4.1	2.8	2.8	2.8	2.8
60°	30.3	24.8	16.5	8.3	6.9	4.1	2.8	1.4	2.8	2.8	2.8
62.5°	26.2	19.3	13.8	6.9	5.5	2.8	2.8	1.4	2.8	2.8	2.8
65°	19.3	15.2	11.0	5.5	4.1	1.4	1.4	1.4	2.8	2.8	2.8
67.5°	15.2	11.0	8.3	4.1	2.8	1.4	1.4	1.4	2.8	2.8	2.8
70°	11.0	8.3	5.5	2.8	2.8	1.4	1.4	1.4	2.8	2.8	2.8
72.5°	8.3	5.5	4.1	2.8	2.8	1.4	2.8	2.8	2.8	2.8	2.8
75°	6.9	5.5	4.1	2.8	2.8	1.4	2.8	2.8	4.1	4.1	4.1
77.5°	6.9	4.1	4.1	2.8	2.8	1.4	2.8	4.1	4.1	4.1	4.1
80°	6.9	4.1	4.1	2.8	2.8	1.4	2.8	4.1	4.1	4.1	4.1
82.5°	6.9	4.1	4.1	2.8	2.8	1.4	2.8	4.1	4.1	4.1	4.1
85°	4.1	4.1	4.1	4.1	2.8	1.4	4.1	5.5	5.5	4.1	4.1
87.5°	2.8	2.8	4.1	4.1	2.8	1.4	4.1	5.5	5.5	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560224

CATALOG NUMBER: SDL-PA1-30-750-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	904.7	904.7	904.7	904.7
2.5°	649.5	642.6	634.4	650.9
5°	488.2	482.7	477.1	486.8
7.5°	289.6	291.0	291.0	275.8
10°	216.5	204.1	190.3	190.3
12.5°	107.6	99.3	91.0	89.6
15°	77.2	78.6	80.0	80.0
17.5°	75.8	73.1	69.0	66.2
20°	67.6	70.3	71.7	71.7
22.5°	59.3	57.9	55.2	55.2
25°	59.3	60.7	62.1	62.1
27.5°	45.5	45.5	44.1	44.1
30°	44.1	44.1	44.1	44.1
32.5°	34.5	35.9	35.9	35.9
35°	29.0	29.0	29.0	29.0
37.5°	22.1	22.1	22.1	20.7
40°	16.5	16.5	16.5	16.5
42.5°	12.4	12.4	12.4	12.4
45°	9.7	9.7	9.7	9.7
47.5°	8.3	8.3	6.9	6.9
50°	5.5	5.5	5.5	5.5
52.5°	4.1	4.1	4.1	4.1
55°	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	2.8	2.8
60°	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4
72.5°	2.8	2.8	1.4	1.4
75°	2.8	2.8	1.4	1.4
77.5°	2.8	2.8	1.4	1.4
80°	2.8	2.8	1.4	1.4
82.5°	2.8	2.8	1.4	1.4
85°	2.8	2.8	2.8	1.4
87.5°	2.8	2.8	2.8	1.4
90°	0.0	0.0	0.0	0.0



Report Generated By 670245982





--- HS --- SS



u



(END OF REPORT)