

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: P560227

Luminaire Tested: **SDL-PA1-30-750-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
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-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 5000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2890.5 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B0 - U2 - 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

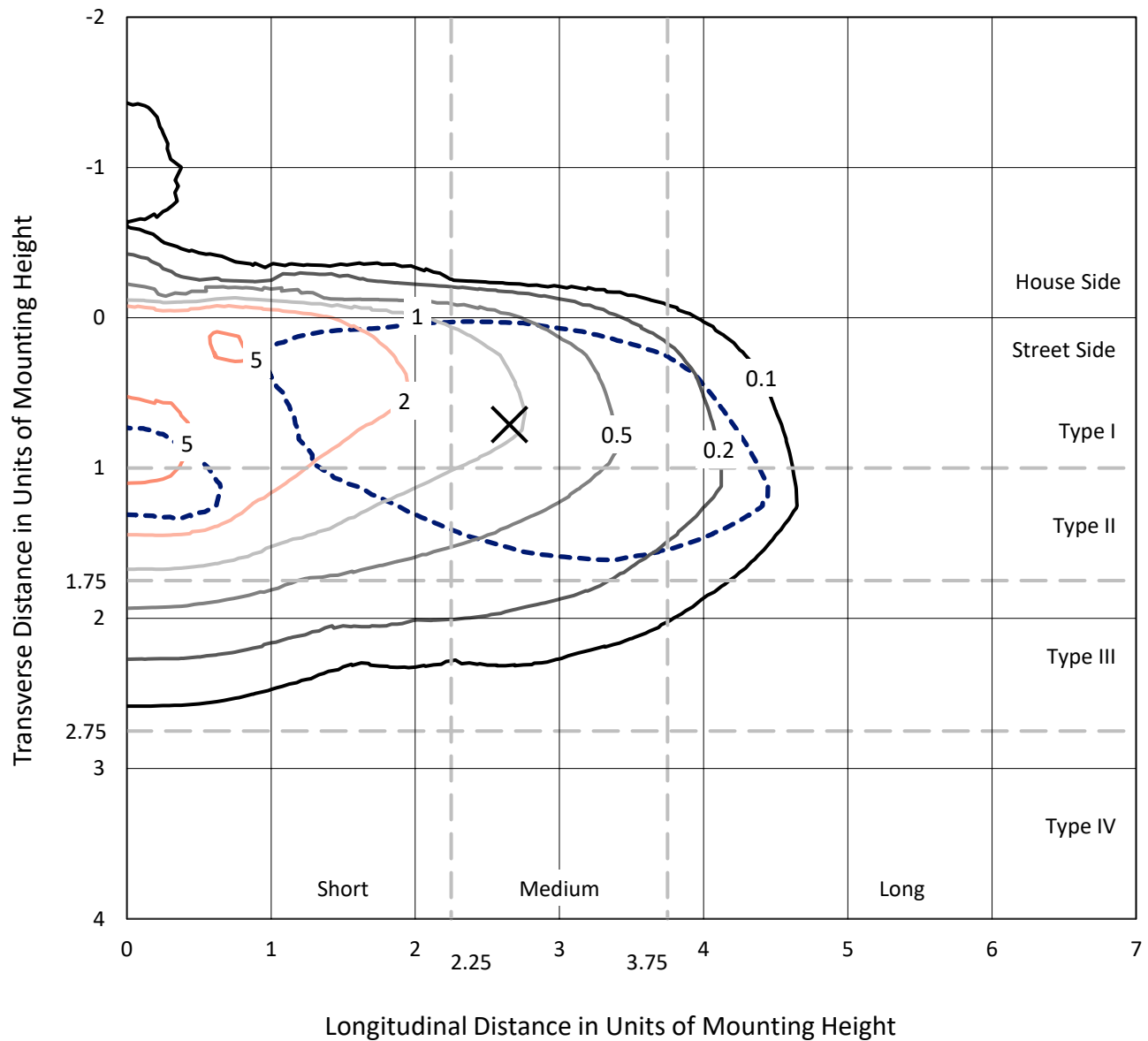


REPORT NUMBER: P560227

CATALOG NUMBER: SDL-PA1-30-750-U-T2R-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

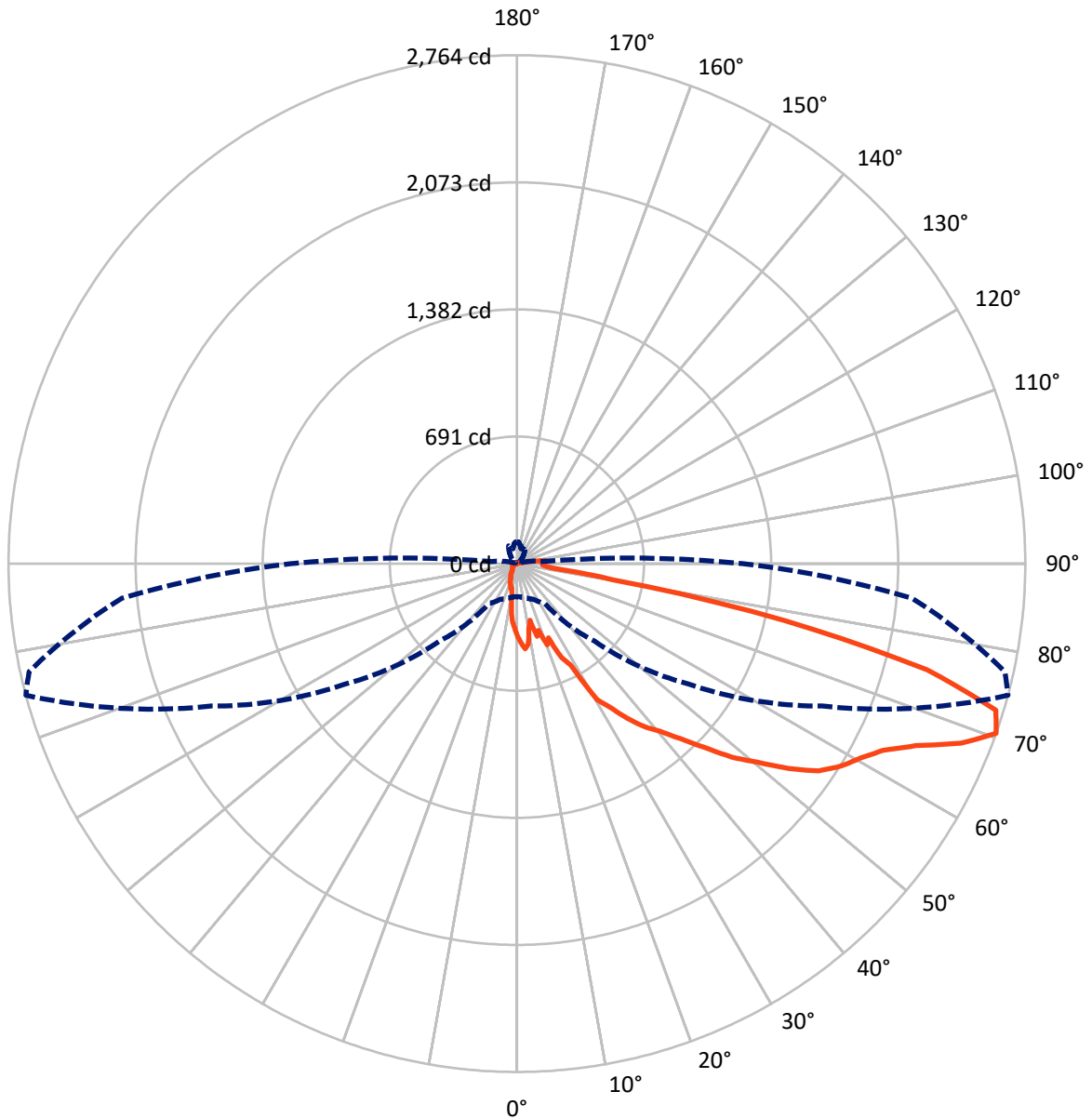


Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P560227

CATALOG NUMBER: SDL-PA1-30-750-U-T2R-HSS-A

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P560227

CATALOG NUMBER: SDL-PA1-30-750-U-T2R-HSS-A

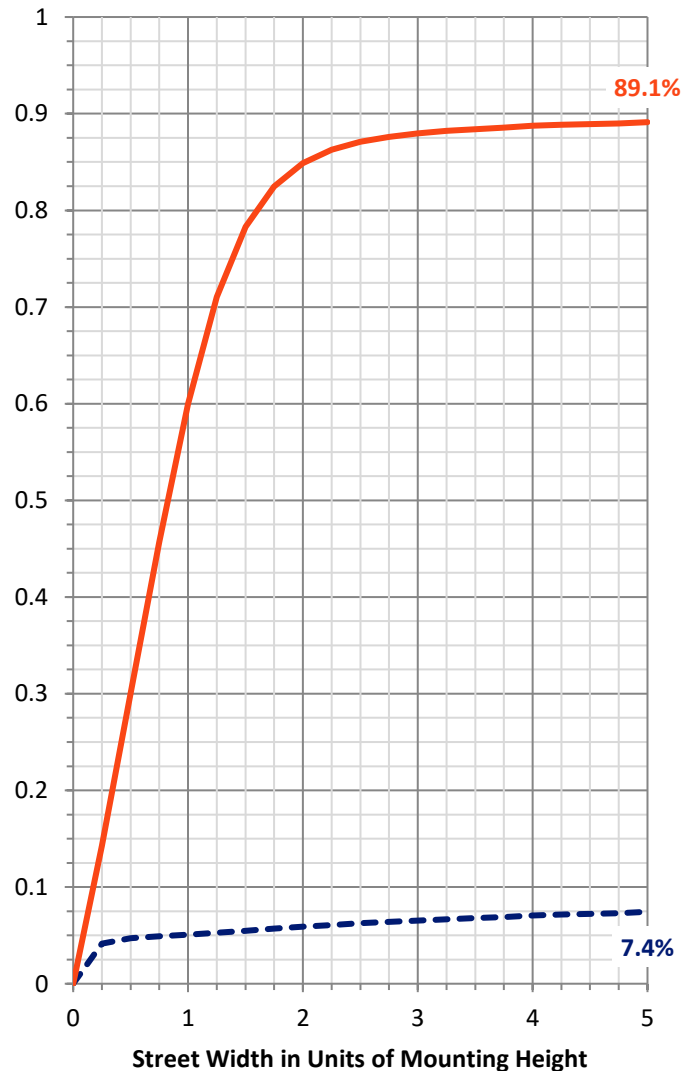
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	235.5	29.3	264.8
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	2588.9	36.9	2625.7
	% Fixture	89.6	1.3	90.8
Total	Lumens	2824.4	66.2	2890.5
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.2	1.1
10°-20°	76.2	2.6
20°-30°	143.0	4.9
30°-40°	321.0	11.1
40°-50°	528.3	18.3
50°-60°	647.6	22.4
60°-70°	606.5	21.0
70°-80°	395.0	13.7
80°-90°	75.5	2.6
90°-100°	43.3	1.5
100°-110°	9.7	0.3
110°-120°	5.0	0.2
120°-130°	4.2	0.1
130°-140°	2.0	0.1
140°-150°	1.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2824.4	97.7
0°-180°	2890.5	100.0



REPORT NUMBER: P560227

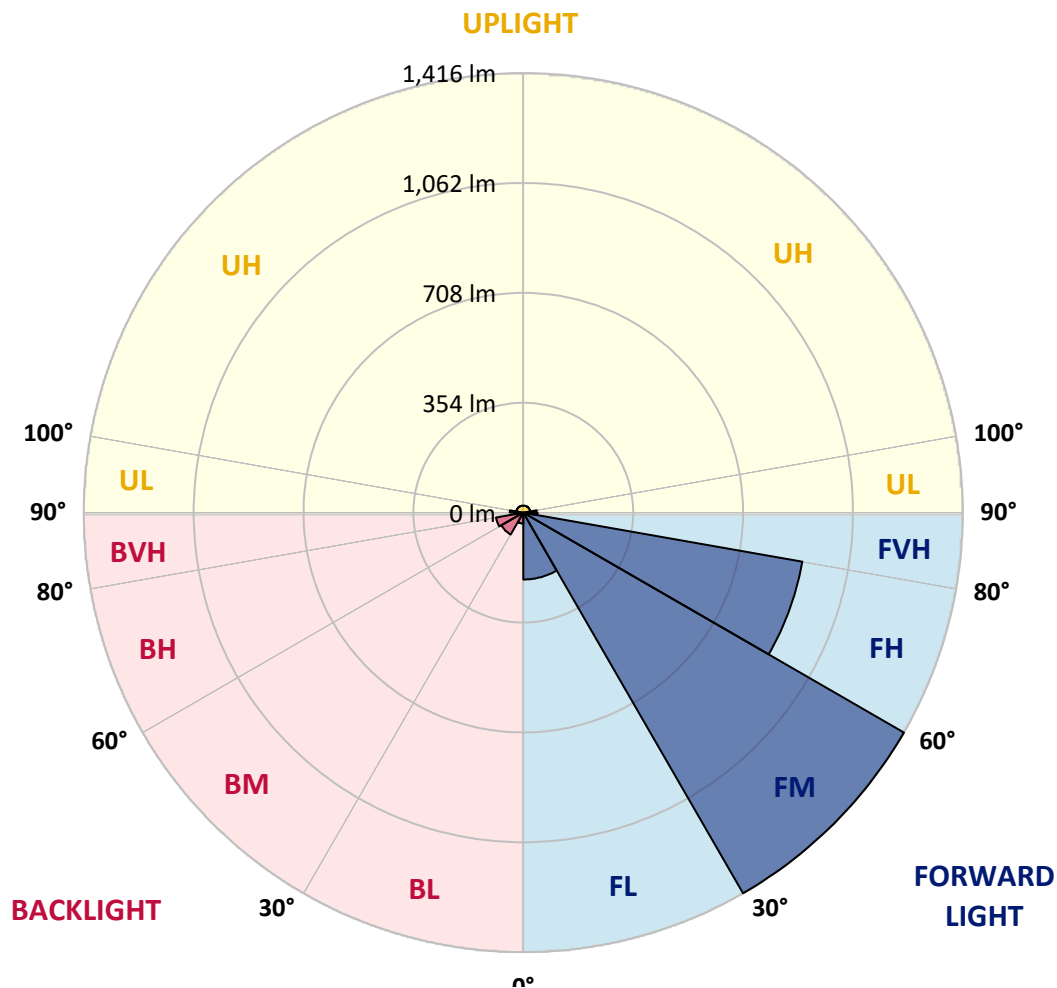
CATALOG NUMBER: SDL-PA1-30-750-U-T2R-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	215.3	7.4			
FM	(30°-60°)	1415.5	49.0			
FH	(60°-80°)	912.3	31.6			G1/1800
FVH	(80°-90°)	45.7	1.6			G1/100
BL	(0°-30°)	35.2	1.2	B0/110		
BM	(30°-60°)	81.4	2.8	B0/220		
BH	(60°-80°)	89.2	3.1	B0/110		G0/110
BVH	(80°-90°)	29.8	1.0			G1/100
UL	(90°-100°)	43.3	1.5		U2/50	
UH	(100°-180°)	22.9	0.8		U2/50	

BUG Rating: B0-U2-G1

Type II Medium





REPORT NUMBER: P560227

CATALOG NUMBER: SDL-PA1-30-750-U-T2R-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2
2.5°	438.8	466.4	474.6	488.4	495.3	487.1	471.9	452.6	431.9	426.3	408.4
5°	498.1	492.6	488.4	488.4	480.2	462.2	445.7	496.7	465.0	458.1	422.2
7.5°	452.6	495.3	527.1	529.8	525.7	511.9	488.4	436.0	442.9	434.6	390.5
10°	547.8	549.1	543.6	547.8	509.1	489.8	413.9	382.2	357.4	390.5	350.5
12.5°	453.9	521.5	560.2	574.0	525.7	462.2	423.6	407.0	316.0	307.7	317.3
15°	554.7	557.4	561.6	547.8	426.3	484.3	393.2	362.9	409.8	398.8	391.9
17.5°	438.8	444.3	538.1	532.6	494.0	383.6	467.7	416.7	380.8	367.0	357.4
20°	558.8	560.2	558.8	423.6	460.8	516.0	440.1	426.3	471.9	466.4	441.5
22.5°	469.1	469.1	500.9	543.6	484.3	517.4	448.4	531.2	438.8	436.0	328.4
25°	648.5	648.5	626.4	480.2	549.1	487.1	532.6	477.4	567.1	547.8	492.6
27.5°	630.5	611.2	576.7	605.7	531.2	609.9	516.0	582.3	625.0	643.0	614.0
30°	876.1	876.1	838.9	648.5	622.3	589.2	596.1	696.8	856.8	859.6	742.3
32.5°	1186.6	1164.5	967.2	836.1	680.2	739.6	673.3	819.6	931.3	927.2	789.2
35°	1313.5	1306.6	1245.9	1026.5	787.8	809.9	758.9	866.5	1032.1	1004.5	845.8
37.5°	1443.2	1432.2	1370.1	1134.2	901.0	930.0	822.3	935.5	1124.5	1084.5	907.9
40°	1523.3	1524.6	1480.5	1219.7	990.7	1005.8	898.2	1019.6	1199.0	1207.3	961.7
42.5°	1607.4	1606.0	1570.2	1320.4	1065.2	1084.5	958.9	1099.7	1299.7	1309.4	1052.8
45°	1652.9	1650.2	1629.5	1389.4	1124.5	1138.3	1052.8	1197.6	1422.5	1419.8	1127.3
47.5°	1664.0	1668.1	1666.7	1457.0	1186.6	1192.1	1136.9	1269.4	1571.5	1541.2	1225.2
50°	1601.9	1604.7	1624.0	1510.8	1232.1	1237.6	1203.1	1350.8	1697.1	1661.2	1313.5
52.5°	1429.4	1446.0	1527.4	1477.7	1251.4	1272.1	1265.2	1412.9	1850.3	1806.1	1422.5
55°	1062.4	1101.0	1287.3	1353.5	1241.8	1273.5	1320.4	1526.0	1989.6	1935.8	1510.8
57.5°	847.2	854.1	964.5	1146.6	1163.1	1266.6	1378.4	1595.0	2076.5	2022.7	1574.3
60°	669.2	680.2	752.0	898.2	1015.5	1225.2	1394.9	1665.4	2145.5	2100.0	1644.7
62.5°	518.8	517.4	572.6	670.6	818.2	1138.3	1372.9	1708.1	2233.8	2199.3	1770.2
65°	361.5	361.5	408.4	487.1	619.5	982.4	1328.7	1768.8	2384.2	2374.6	1926.1
67.5°	247.0	252.5	284.2	322.9	425.0	798.9	1262.5	1830.9	2603.6	2558.1	2076.5
70°	180.7	180.7	193.2	213.9	264.9	596.1	1143.8	1832.3	2763.7	2716.7	2155.2
72.5°	133.8	133.8	143.5	153.2	167.0	396.0	938.2	1716.4	2722.3	2647.8	1995.1
75°	70.4	70.4	109.0	113.1	111.8	256.6	692.6	1410.1	2301.4	2177.3	1561.9
77.5°	55.2	56.6	62.1	88.3	81.4	168.3	386.3	867.9	1487.4	1335.6	845.8
80°	40.0	38.6	48.3	56.6	48.3	98.0	182.1	380.8	527.1	456.7	278.7
82.5°	23.5	24.8	29.0	41.4	41.4	69.0	118.7	167.0	189.0	187.6	167.0
85°	2.8	4.1	15.2	27.6	24.8	40.0	99.3	115.9	149.0	151.8	149.0
87.5°	2.8	2.8	4.1	5.5	6.9	26.2	84.2	100.7	138.0	147.6	149.0
90°	5.5	4.1	2.8	2.8	4.1	20.7	78.6	103.5	146.3	149.0	155.9
92.5°	6.9	5.5	2.8	1.4	4.1	16.6	74.5	103.5	151.8	161.4	168.3
95°	9.7	8.3	2.8	1.4	4.1	13.8	63.5	98.0	158.7	175.2	182.1
97.5°	12.4	11.0	2.8	2.8	4.1	11.0	49.7	77.3	104.9	118.7	128.3
100°	13.8	13.8	2.8	2.8	4.1	6.9	24.8	42.8	33.1	31.7	35.9
102.5°	15.2	15.2	2.8	2.8	2.8	4.1	8.3	17.9	6.9	6.9	11.0
105°	15.2	15.2	2.8	2.8	2.8	2.8	2.8	6.9	5.5	6.9	12.4
107.5°	13.8	15.2	2.8	4.1	4.1	2.8	2.8	2.8	5.5	8.3	12.4

REPORT NUMBER: P560227

CATALOG NUMBER: SDL-PA1-30-750-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	9.7	6.9	1.4	4.1	2.8	2.8	1.4	2.8	6.9	9.7	13.8
115°	4.1	2.8	1.4	2.8	2.8	2.8	1.4	2.8	6.9	11.0	13.8
117.5°	2.8	1.4	1.4	1.4	1.4	2.8	1.4	4.1	9.7	12.4	16.6
120°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.1	12.4	13.8	19.3
122.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	12.4	13.8	19.3
125°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	9.7	12.4	16.6
127.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	6.9	9.7	13.8
130°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	6.9	8.3	11.0
132.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.1	5.5	8.3
135°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	5.5
137.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
140°	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
145°	1.4	1.4	1.4	1.4	2.8	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4
150°	2.8	4.1	6.9	5.5	2.8	1.4	2.8	1.4	1.4	1.4	1.4
152.5°	6.9	6.9	5.5	5.5	1.4	1.4	2.8	2.8	1.4	1.4	1.4
155°	5.5	5.5	4.1	1.4	1.4	1.4	1.4	2.8	4.1	5.5	4.1
157.5°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
160°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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: P560227

CATALOG NUMBER: SDL-PA1-30-750-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2	393.2
2.5°	394.6	380.8	350.5	327.0	302.2	288.4	262.2	240.1	223.5	220.8	220.8
5°	394.6	367.0	313.2	255.3	201.4	173.8	158.7	149.0	142.1	139.4	138.0
7.5°	353.2	317.3	245.6	178.0	154.5	129.7	111.8	98.0	85.5	81.4	77.3
10°	309.1	264.9	167.0	122.8	98.0	81.4	73.1	69.0	64.8	63.5	63.5
12.5°	274.6	229.0	133.8	100.7	69.0	57.9	55.2	52.4	51.1	49.7	48.3
15°	335.3	274.6	139.4	69.0	48.3	41.4	38.6	40.0	42.8	42.8	42.8
17.5°	310.4	241.5	115.9	52.4	40.0	30.4	33.1	35.9	38.6	34.5	33.1
20°	371.2	284.2	113.1	41.4	33.1	30.4	29.0	24.8	31.7	31.7	31.7
22.5°	269.1	215.2	85.5	38.6	27.6	26.2	22.1	24.8	26.2	22.1	22.1
25°	398.8	280.1	84.2	30.4	27.6	20.7	22.1	17.9	22.1	22.1	22.1
27.5°	494.0	331.1	74.5	31.7	23.5	20.7	16.6	17.9	16.6	16.6	16.6
30°	587.8	372.5	67.6	31.7	22.1	16.6	15.2	13.8	16.6	16.6	16.6
32.5°	615.4	362.9	53.8	33.1	20.7	15.2	12.4	13.8	13.8	15.2	15.2
35°	647.1	354.6	45.5	29.0	19.3	13.8	11.0	12.4	13.8	15.2	15.2
37.5°	677.5	340.8	41.4	26.2	16.6	12.4	9.7	11.0	29.0	31.7	31.7
40°	716.1	324.2	38.6	23.5	13.8	9.7	8.3	22.1	26.2	30.4	30.4
42.5°	771.3	314.6	35.9	22.1	12.4	8.3	8.3	19.3	37.3	41.4	41.4
45°	816.8	298.0	34.5	19.3	11.0	6.9	13.8	26.2	30.4	38.6	37.3
47.5°	873.4	282.9	33.1	17.9	9.7	6.9	15.2	27.6	38.6	44.2	44.2
50°	934.1	274.6	31.7	16.6	9.7	6.9	26.2	26.2	31.7	49.7	49.7
52.5°	1011.4	269.1	29.0	13.8	8.3	13.8	35.9	31.7	38.6	51.1	51.1
55°	1048.6	251.1	27.6	12.4	6.9	13.8	38.6	35.9	40.0	53.8	53.8
57.5°	1081.7	233.2	24.8	12.4	6.9	17.9	41.4	45.5	38.6	46.9	52.4
60°	1112.1	215.2	22.1	11.0	6.9	22.1	45.5	63.5	53.8	63.5	63.5
62.5°	1182.5	201.4	19.3	12.4	5.5	24.8	59.3	77.3	60.7	77.3	75.9
65°	1248.7	184.9	17.9	11.0	6.9	29.0	64.8	89.7	66.2	89.7	89.7
67.5°	1274.9	164.2	16.6	11.0	6.9	33.1	64.8	99.3	78.6	100.7	102.1
70°	1229.4	135.2	15.2	12.4	8.3	37.3	67.6	106.2	84.2	117.3	117.3
72.5°	1044.5	92.4	15.2	13.8	16.6	41.4	80.0	110.4	88.3	140.7	142.1
75°	779.6	52.4	16.6	15.2	17.9	46.9	88.3	114.5	92.4	142.1	142.1
77.5°	444.3	35.9	16.6	17.9	22.1	46.9	92.4	118.7	91.1	139.4	136.6
80°	154.5	26.2	16.6	20.7	27.6	46.9	93.8	117.3	88.3	129.7	129.7
82.5°	104.9	22.1	16.6	20.7	33.1	49.7	92.4	110.4	78.6	109.0	104.9
85°	98.0	17.9	17.9	22.1	35.9	49.7	84.2	95.2	66.2	81.4	80.0
87.5°	96.6	16.6	20.7	23.5	38.6	45.5	71.7	78.6	53.8	66.2	64.8
90°	100.7	16.6	22.1	24.8	35.9	37.3	57.9	66.2	44.2	52.4	51.1
92.5°	107.6	16.6	23.5	27.6	31.7	27.6	46.9	52.4	37.3	40.0	38.6
95°	114.5	16.6	26.2	29.0	26.2	20.7	35.9	42.8	30.4	29.0	29.0
97.5°	75.9	12.4	27.6	29.0	22.1	15.2	27.6	33.1	17.9	15.2	15.2
100°	24.8	9.7	29.0	30.4	20.7	11.0	23.5	24.8	13.8	6.9	6.9
102.5°	11.0	9.7	26.2	26.2	17.9	8.3	16.6	17.9	9.7	2.8	2.8
105°	9.7	5.5	15.2	19.3	12.4	4.1	8.3	9.7	5.5	2.8	2.8
107.5°	11.0	5.5	8.3	11.0	5.5	4.1	4.1	4.1	2.8	2.8	2.8



REPORT NUMBER: P560227

CATALOG NUMBER: SDL-PA1-30-750-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.4	5.5	4.1	5.5	4.1	4.1	2.8	2.8	5.5	9.7	9.7
115°	12.4	5.5	4.1	5.5	4.1	4.1	2.8	1.4	5.5	13.8	15.2
117.5°	13.8	6.9	2.8	4.1	2.8	2.8	2.8	1.4	6.9	17.9	17.9
120°	16.6	6.9	2.8	2.8	2.8	1.4	2.8	2.8	6.9	19.3	19.3
122.5°	16.6	8.3	2.8	2.8	2.8	1.4	1.4	2.8	8.3	17.9	19.3
125°	13.8	6.9	2.8	2.8	2.8	1.4	1.4	2.8	8.3	16.6	19.3
127.5°	11.0	6.9	2.8	2.8	2.8	1.4	1.4	2.8	8.3	13.8	15.2
130°	9.7	5.5	2.8	2.8	2.8	1.4	1.4	2.8	6.9	11.0	12.4
132.5°	6.9	4.1	2.8	2.8	2.8	1.4	1.4	1.4	6.9	11.0	11.0
135°	5.5	4.1	2.8	2.8	2.8	1.4	1.4	1.4	5.5	8.3	8.3
137.5°	2.8	1.4	2.8	2.8	2.8	1.4	1.4	1.4	4.1	4.1	4.1
140°	1.4	1.4	1.4	2.8	1.4	1.4	1.4	1.4	1.4	2.8	1.4
142.5°	1.4	1.4	1.4	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4
145°	1.4	1.4	1.4	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4
150°	1.4	1.4	1.4	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4
152.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
155°	2.8	2.8	1.4	2.8	1.4	1.4	0.0	1.4	1.4	1.4	1.4
157.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
160°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
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



--- HS --- SS



u



110° | 12.4 12.4 2.8 4.1 4.1 2.8 1.4 2.8 5.5 8.3 13.8



110°	11.0	5.5	4.1	6.9	5.5	4.1	2.8	2.8	2.8	4.1	4.1
------	------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



(END OF REPORT)