

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: P560229

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560229
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)
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
Description: Springdale
(1) 70 CRI, 5000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3766.6 lumens
Efficiency: N/A
Efficacy: 125.1 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: B1 - 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



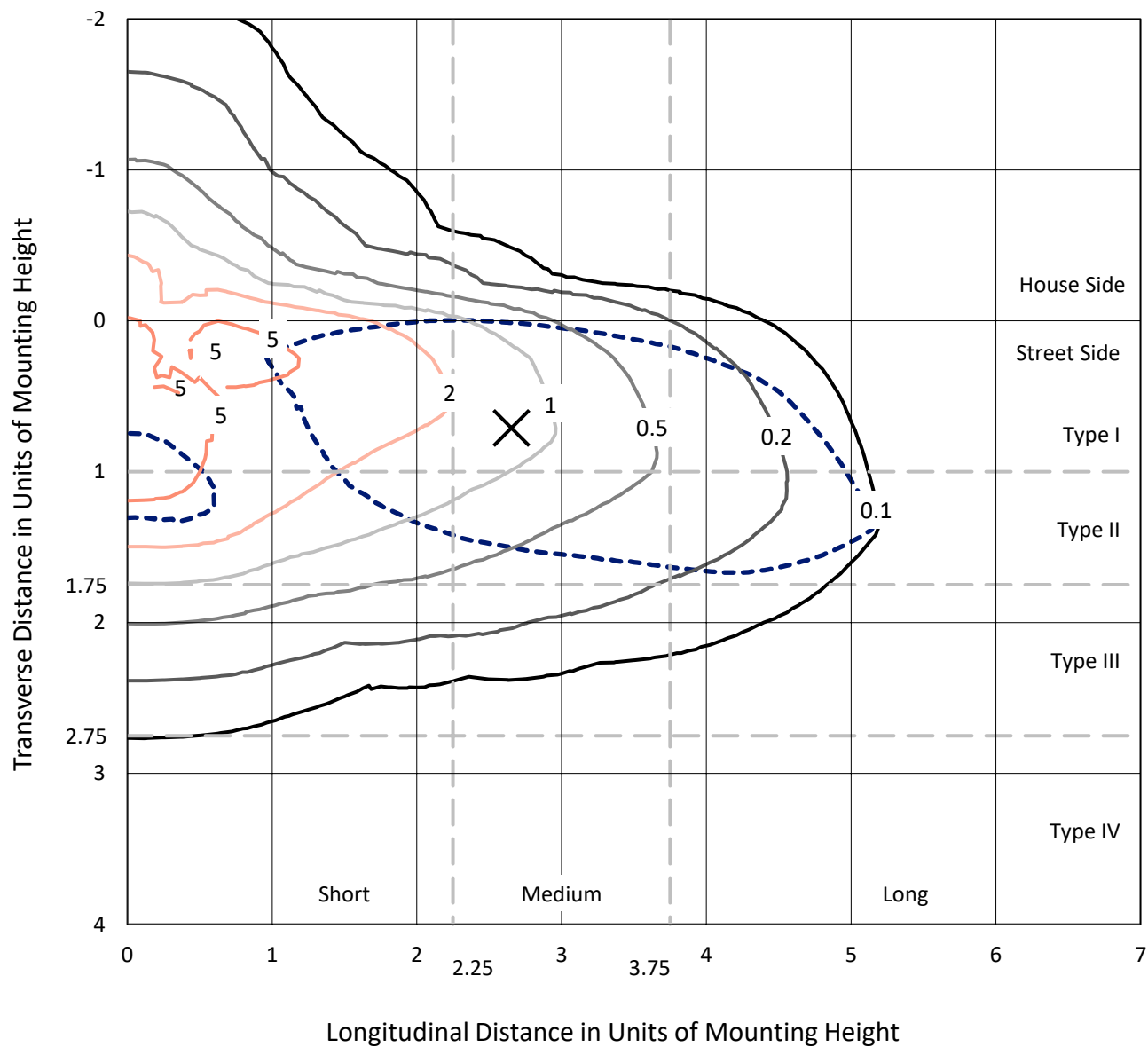
REPORT NUMBER: P560229

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

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



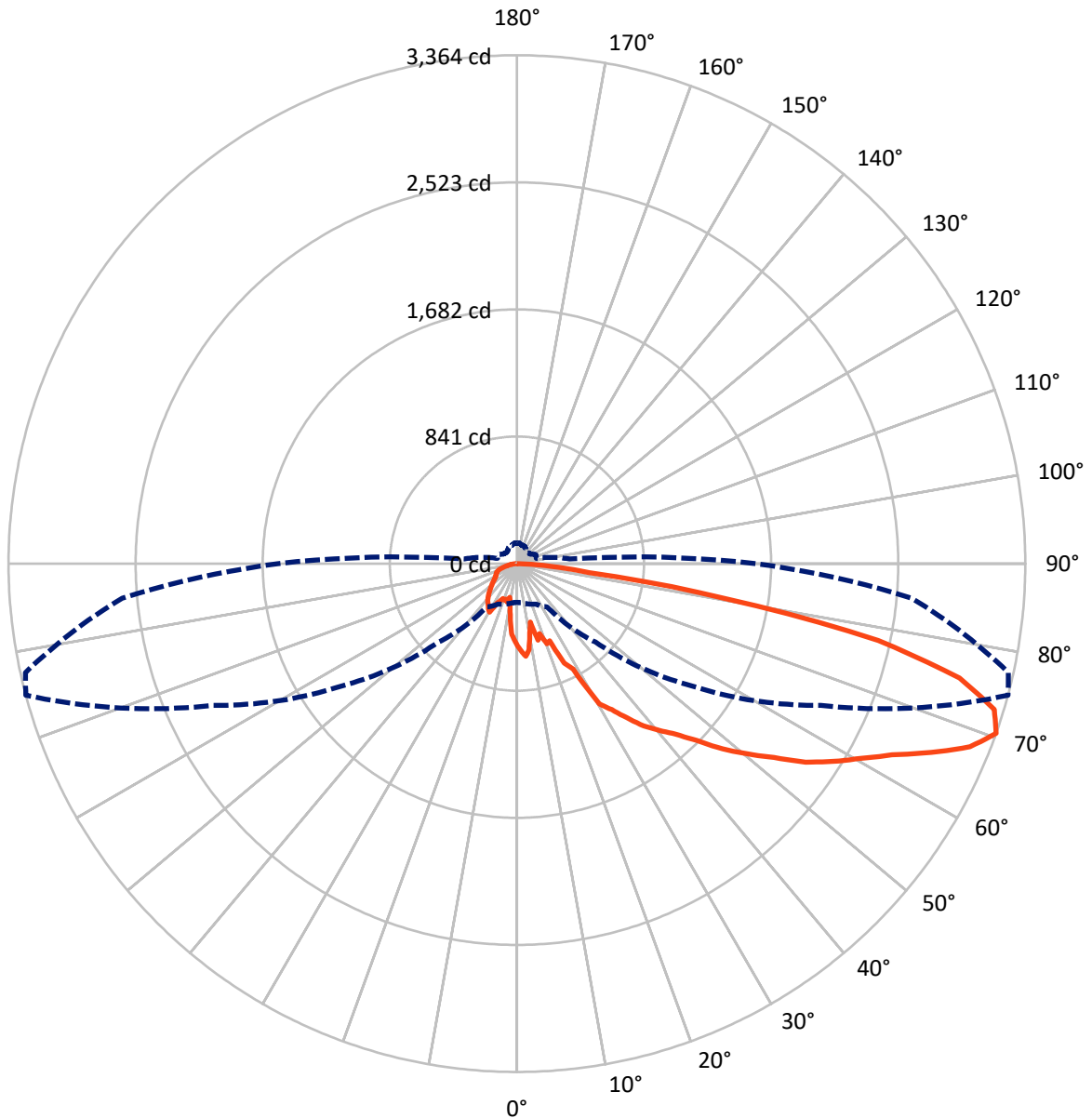
Based on 10 foot mounting height. Maximum calculated value = 8.6 fc

Type II - Medium - N/A

REPORT NUMBER: P560229

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

Luminous Intensity Polar Plot



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

REPORT NUMBER: P560229

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

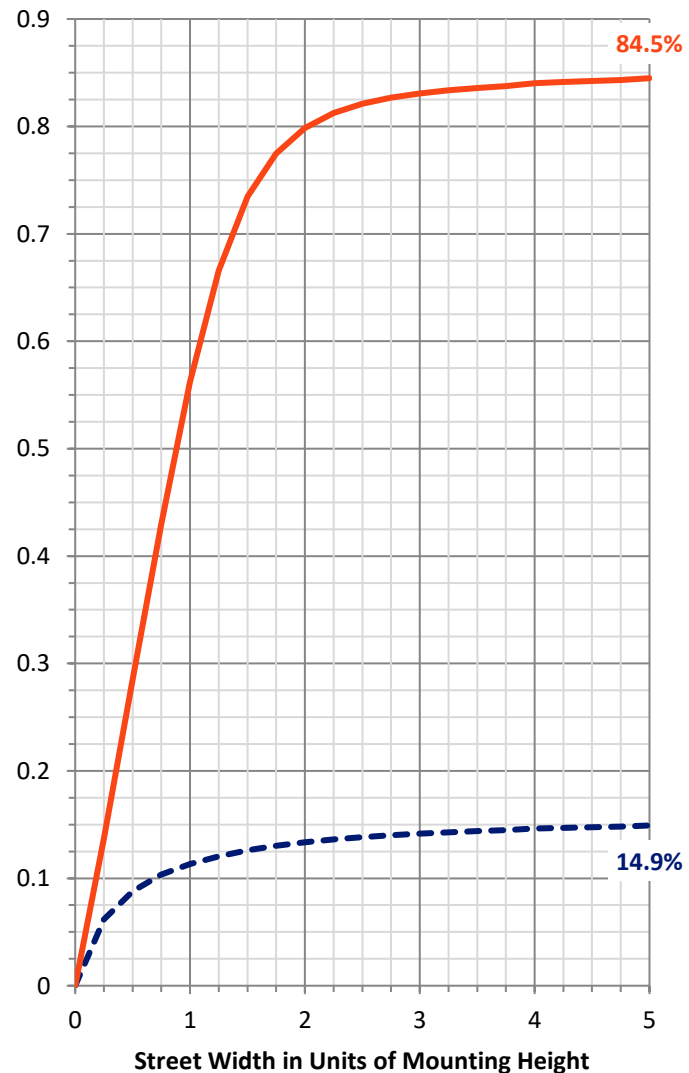
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	573.0	0.0	573.0
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	3193.6	0.0	3193.6
	% Fixture	84.8	0.0	84.8
Total	Lumens	3766.6	0.0	3766.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	1.2
10°-20°	119.7	3.2
20°-30°	218.8	5.8
30°-40°	444.1	11.8
40°-50°	681.6	18.1
50°-60°	821.7	21.8
60°-70°	794.6	21.1
70°-80°	551.2	14.6
80°-90°	90.0	2.4
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°	3766.6	100.0
0°-180°	3766.6	100.0



REPORT NUMBER: P560229

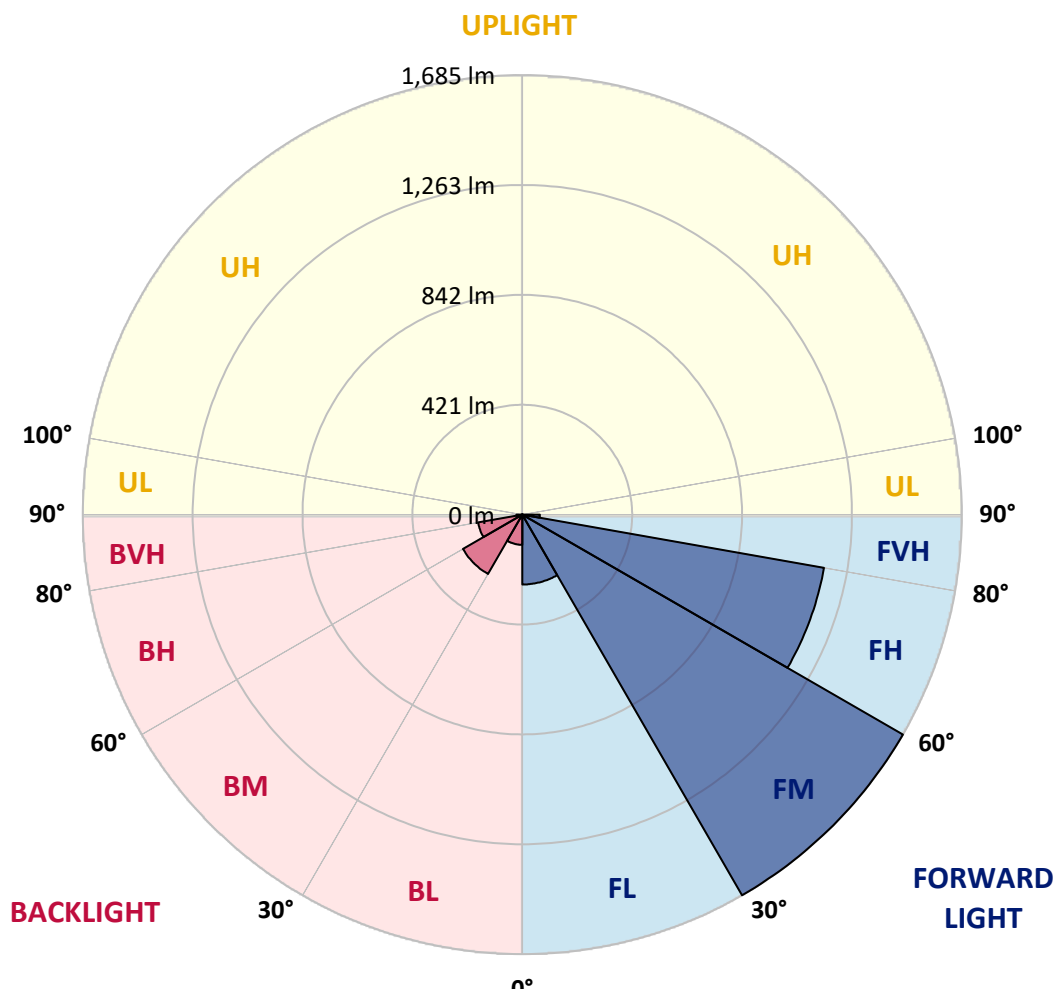
CATALOG NUMBER: SDL-PA1-30-750-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	267.7	7.1			
FM	(30°-60°)	1684.5	44.7			
FH	(60°-80°)	1174.0	31.2			G1/1800
FVH	(80°-90°)	67.4	1.8			G1/100
BL	(0°-30°)	115.7	3.1	B1/500		
BM	(30°-60°)	262.8	7.0	B1/1000		
BH	(60°-80°)	171.9	4.6	B1/500		G1/500
BVH	(80°-90°)	22.6	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



REPORT NUMBER: P560229

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3
2.5°	565.1	619.1	592.8	623.3	638.5	628.8	620.5	599.7	581.7	574.8	556.8
5°	623.3	621.9	615.0	612.2	599.7	584.5	572.0	641.3	616.4	603.9	572.0
7.5°	552.6	599.7	634.4	652.4	652.4	634.4	615.0	530.5	573.4	562.3	516.6
10°	693.9	693.9	692.5	693.9	569.3	599.7	515.3	479.2	464.0	500.0	464.0
12.5°	590.0	641.3	699.5	720.2	663.5	566.5	527.7	506.9	397.5	389.2	411.4
15°	693.9	698.1	703.6	619.1	526.3	601.1	459.8	455.7	526.3	513.9	519.4
17.5°	556.8	562.3	682.8	667.6	612.2	455.7	573.4	512.5	486.2	469.5	468.2
20°	702.2	705.0	703.6	527.7	565.1	620.5	594.2	451.5	566.5	573.4	580.4
22.5°	594.2	595.6	602.5	671.8	572.0	646.8	536.0	673.2	555.4	572.0	432.1
25°	799.2	799.2	774.3	605.3	692.5	590.0	652.4	579.0	728.6	709.2	649.6
27.5°	745.2	739.6	710.5	749.3	624.7	746.6	645.4	727.2	790.9	763.2	788.1
30°	1047.1	1054.0	1016.7	778.4	760.4	716.1	743.8	861.5	1076.2	1061.0	947.4
32.5°	1401.7	1336.6	1166.2	1008.3	831.1	874.0	831.1	1016.7	1152.4	1155.2	1002.8
35°	1573.5	1567.9	1494.5	1189.8	955.7	955.7	932.2	1061.0	1250.7	1232.7	1062.4
37.5°	1710.6	1702.3	1651.0	1344.9	1067.9	1062.4	986.2	1128.8	1362.9	1317.2	1127.5
40°	1826.9	1815.8	1771.5	1453.0	1189.8	1163.5	1052.7	1206.4	1450.2	1454.3	1189.8
42.5°	1904.5	1900.3	1868.5	1551.3	1290.9	1243.8	1141.3	1306.1	1543.0	1566.5	1267.4
45°	1965.4	1964.1	1936.3	1659.3	1362.9	1317.2	1235.5	1380.9	1670.4	1684.3	1350.5
47.5°	1972.4	1977.9	1977.9	1713.4	1412.8	1382.3	1332.5	1447.4	1832.5	1803.4	1447.4
50°	1900.3	1905.9	1940.5	1803.4	1455.7	1436.3	1415.6	1527.7	1980.7	1937.7	1549.9
52.5°	1716.1	1728.6	1822.8	1759.1	1477.9	1476.5	1493.1	1631.6	2131.6	2085.9	1685.6
55°	1320.0	1328.3	1562.4	1628.9	1471.0	1486.2	1551.3	1760.4	2318.6	2278.5	1828.3
57.5°	1008.3	1031.9	1178.7	1382.3	1394.8	1477.9	1588.7	1850.5	2469.6	2429.4	1959.9
60°	811.7	828.3	914.2	1092.8	1231.3	1441.9	1639.9	1962.7	2616.4	2597.0	2101.2
62.5°	635.8	646.8	706.4	824.1	1000.0	1357.4	1671.8	2084.6	2785.4	2775.7	2285.4
65°	455.7	466.8	519.4	597.0	772.9	1198.1	1656.6	2200.9	3012.6	3002.9	2464.1
67.5°	332.4	335.2	369.8	422.5	548.5	969.6	1581.8	2274.3	3234.2	3214.8	2601.2
70°	256.2	259.0	275.6	295.0	350.4	734.1	1407.2	2218.9	3364.4	3331.1	2622.0
72.5°	207.8	207.8	214.7	224.4	239.6	479.2	1105.3	2001.4	3303.4	3238.3	2448.8
75°	174.5	174.5	178.7	175.9	167.6	299.2	768.7	1671.8	3025.0	2943.3	2131.6
77.5°	146.8	145.4	145.4	146.8	130.2	203.6	469.5	1288.1	2444.7	2365.7	1580.4
80°	120.5	120.5	120.5	120.5	106.7	145.4	279.8	854.6	1404.5	1225.8	724.4
82.5°	88.6	90.0	94.2	94.2	88.6	106.7	145.4	357.4	480.6	425.2	256.2
85°	41.6	42.9	55.4	58.2	56.8	52.6	76.2	160.7	224.4	203.6	59.6
87.5°	1.4	1.4	5.5	12.5	11.1	8.3	15.2	22.2	8.3	9.7	6.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560229

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

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P560229

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3	544.3
2.5°	544.3	531.9	502.8	477.9	451.5	433.5	393.4	364.3	349.0	346.3	350.4
5°	547.1	519.4	461.2	387.8	332.4	318.6	313.0	311.6	310.3	310.3	310.3
7.5°	482.0	446.0	358.7	304.7	313.0	313.0	313.0	308.9	283.9	272.9	272.9
10°	425.2	378.1	267.3	246.5	247.9	260.4	293.6	328.3	335.2	336.6	338.0
12.5°	368.4	322.7	227.2	239.6	216.1	256.2	303.3	338.0	304.7	288.1	288.1
15°	464.0	398.9	263.2	210.5	213.3	256.2	231.3	313.0	335.2	336.6	338.0
17.5°	418.3	351.8	245.2	221.6	234.1	195.3	264.6	296.4	272.9	270.1	267.3
20°	508.3	418.3	256.2	220.2	218.8	236.8	224.4	224.4	304.7	304.7	304.7
22.5°	376.7	310.3	249.3	247.9	209.1	234.1	223.0	249.3	239.6	235.5	235.5
25°	552.6	437.7	272.9	217.5	224.4	206.4	229.9	205.0	253.5	256.2	256.2
27.5°	663.5	513.9	296.4	241.0	206.4	221.6	189.8	206.4	195.3	196.7	196.7
30°	790.9	602.5	368.4	252.1	211.9	182.8	188.4	178.7	211.9	207.8	206.4
32.5°	825.5	608.1	354.6	267.3	206.4	184.2	170.4	184.2	196.7	214.7	214.7
35°	865.7	613.6	335.2	254.9	202.2	171.8	169.0	184.2	199.5	193.9	193.9
37.5°	903.1	617.7	320.0	239.6	185.6	167.6	167.6	170.4	185.6	177.3	177.3
40°	946.0	619.1	301.9	223.0	171.8	164.8	155.1	157.9	159.3	153.7	152.4
42.5°	994.5	617.7	281.2	207.8	159.3	153.7	146.8	146.8	151.0	149.6	148.2
45°	1047.1	616.4	259.0	189.8	145.4	138.5	134.4	151.0	157.9	157.9	155.1
47.5°	1110.8	616.4	238.2	169.0	135.7	124.7	121.9	139.9	153.7	156.5	159.3
50°	1184.2	613.6	218.8	153.7	126.0	116.3	120.5	138.5	149.6	153.7	152.4
52.5°	1279.8	608.1	202.2	141.3	119.1	106.7	113.6	134.4	148.2	149.6	148.2
55°	1362.9	588.7	185.6	135.7	113.6	101.1	109.4	133.0	145.4	145.4	145.4
57.5°	1433.6	561.0	171.8	131.6	112.2	99.7	108.0	131.6	139.9	144.0	144.0
60°	1519.4	526.3	162.1	130.2	110.8	98.3	106.7	130.2	137.1	142.7	142.7
62.5°	1608.1	497.2	156.5	130.2	106.7	99.7	106.7	130.2	135.7	142.7	141.3
65°	1680.1	459.8	151.0	133.0	105.3	99.7	106.7	130.2	134.4	141.3	141.3
67.5°	1676.0	408.6	144.0	139.9	106.7	101.1	106.7	128.8	131.6	141.3	138.5
70°	1581.8	349.0	133.0	138.5	110.8	101.1	105.3	124.7	126.0	138.5	134.4
72.5°	1411.4	282.6	117.7	130.2	110.8	102.5	102.5	119.1	119.1	133.0	124.7
75°	1181.5	217.5	97.0	115.0	105.3	105.3	97.0	112.2	109.4	117.7	109.4
77.5°	880.9	164.8	74.8	95.6	95.6	103.9	92.8	103.9	99.7	101.1	97.0
80°	367.0	99.7	56.8	74.8	81.7	101.1	88.6	94.2	84.5	84.5	81.7
82.5°	152.4	63.7	38.8	47.1	55.4	90.0	84.5	80.3	69.3	63.7	59.6
85°	55.4	34.6	26.3	31.9	36.0	62.3	60.9	51.2	40.2	44.3	36.0
87.5°	4.2	5.5	5.5	6.9	6.9	8.3	13.9	13.9	8.3	6.9	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560229

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

(END OF REPORT)