

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: P560217

Luminaire Tested: **SDL-PA1-30-740-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560217
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-740-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2578.7 lumens
Efficiency: N/A
Efficacy: 85.7 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 - U3 - G1

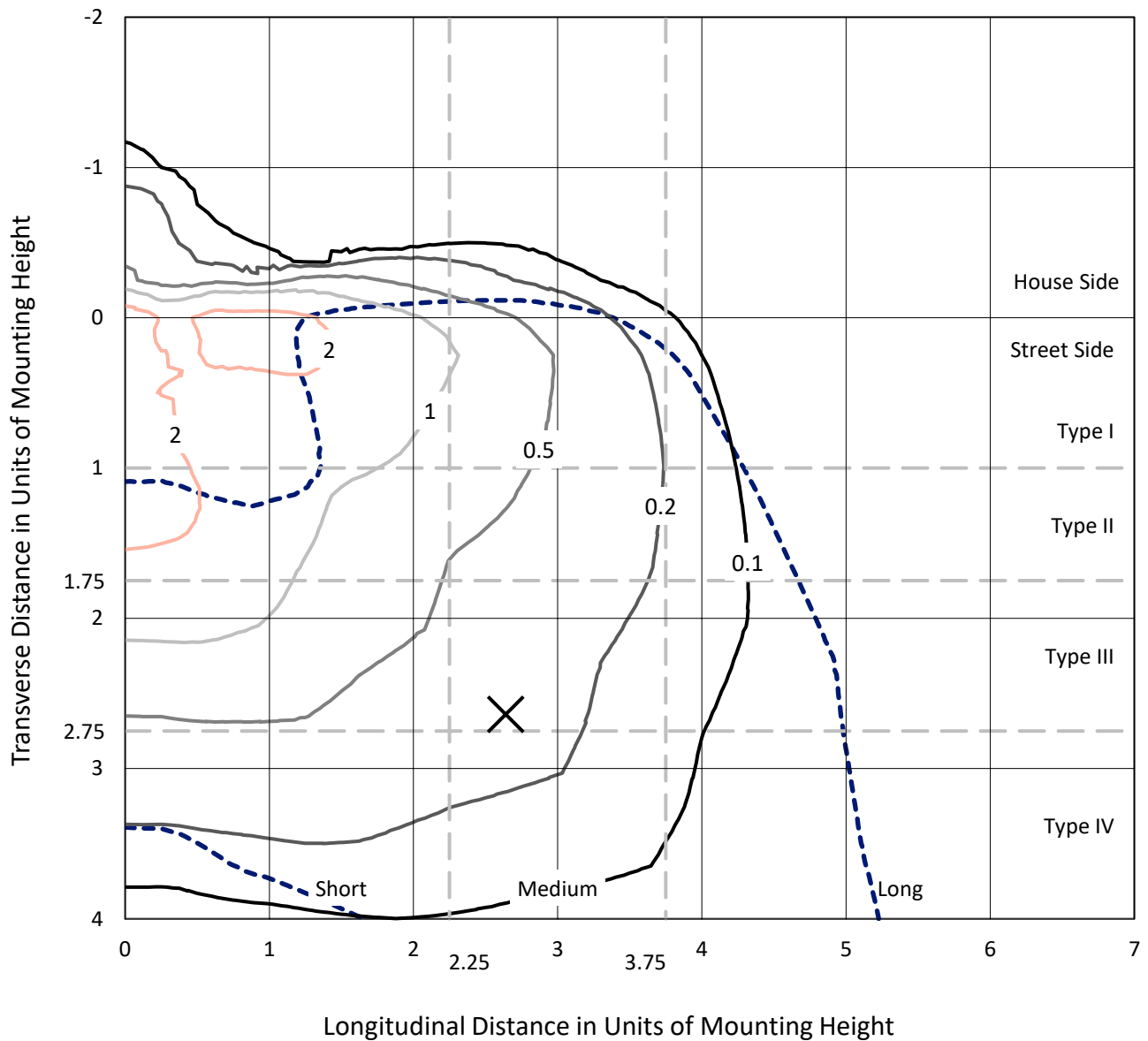
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560217
 CATALOG NUMBER: SDL-PA1-30-740-U-T4W-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

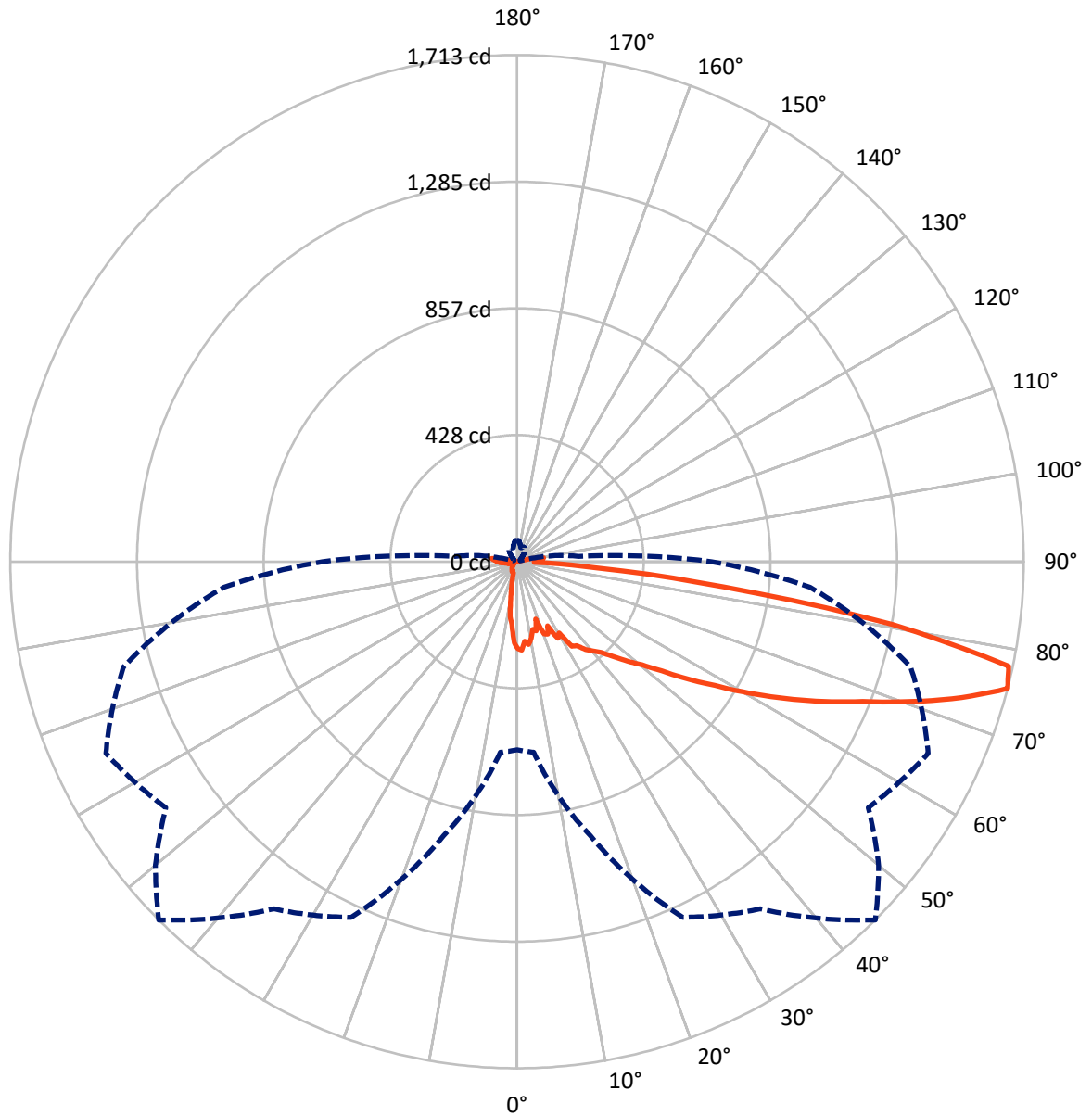
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560217
CATALOG NUMBER: SDL-PA1-30-740-U-T4W-HSS-A

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical



REPORT NUMBER: P560217
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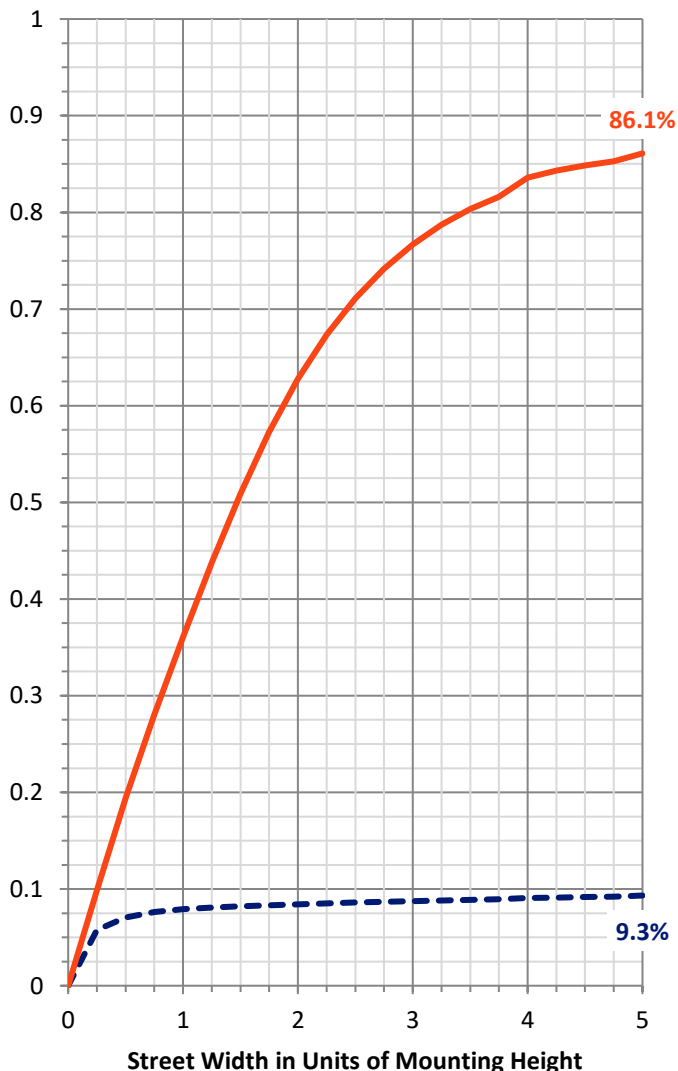
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	264.6	46.3	310.9
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	2232.0	35.8	2267.8
	% Fixture	86.6	1.4	87.9
Total	Lumens	2496.6	82.1	2578.7
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.8	0.9
10°-20°	49.3	1.9
20°-30°	82.8	3.2
30°-40°	153.5	6.0
40°-50°	258.7	10.0
50°-60°	464.3	18.0
60°-70°	697.1	27.0
70°-80°	637.8	24.7
80°-90°	130.4	5.1
90°-100°	62.4	2.4
100°-110°	13.3	0.5
110°-120°	2.5	0.1
120°-130°	2.0	0.1
130°-140°	0.9	0.0
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2496.6	96.8
0°-180°	2578.7	100.0

Coefficient of Utilization



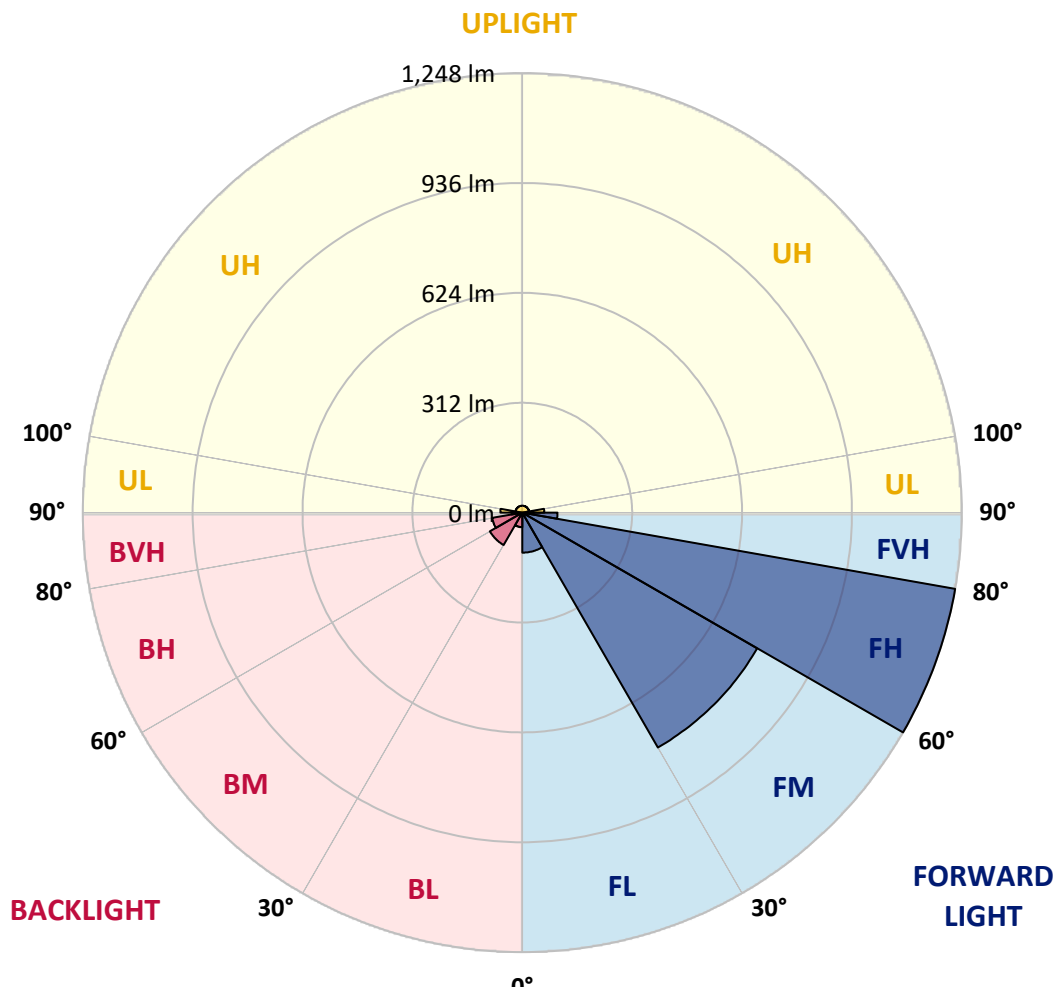
REPORT NUMBER: P560217

CATALOG NUMBER: SDL-PA1-30-740-U-T4W-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.6	4.4			
FM (30°-60°)	770.2	29.9			
FH (60°-80°)	1248.2	48.4			G1/1800
FVH (80°-90°)	100.0	3.9			G1/100
BL (0°-30°)	41.3	1.6	B0/110		
BM (30°-60°)	106.2	4.1	B0/220		
BH (60°-80°)	86.7	3.4	B0/110		G0/110
BVH (80°-90°)	30.4	1.2			G1/100
UL (90°-100°)	62.4	2.4		U3/500	
UH (100°-180°)	19.7	0.8		U2/50	

BUG Rating: B0-U3-G1
 Type IV Medium





REPORT NUMBER: P560217

CATALOG NUMBER: SDL-PA1-30-740-U-T4W-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	293.8	293.8	293.8	293.8	293.8	293.8	293.8	293.8	293.8	293.8	293.8
2.5°	285.5	299.3	295.2	302.1	300.7	299.3	299.3	300.7	299.3	296.6	293.8
5°	291.1	286.9	284.2	282.8	277.3	270.4	267.6	264.8	293.8	293.8	288.3
7.5°	299.3	299.3	293.8	289.7	289.7	282.8	275.9	270.4	256.6	252.4	252.4
10°	318.6	315.9	311.7	303.5	262.1	263.5	248.3	217.9	204.2	209.7	217.9
12.5°	322.8	321.4	315.9	314.5	275.9	234.5	194.5	217.9	208.3	173.8	193.1
15°	346.2	343.5	332.4	313.1	235.9	242.8	226.2	194.5	186.2	212.4	227.6
17.5°	295.2	295.2	331.1	303.5	256.6	204.2	202.8	226.2	204.2	190.4	189.0
20°	362.8	362.8	347.6	248.3	263.5	260.7	209.7	237.3	200.0	226.2	241.4
22.5°	302.1	300.7	311.7	307.6	252.4	266.2	215.2	216.6	238.6	204.2	175.2
25°	368.3	368.3	360.0	267.6	286.9	240.0	245.5	259.3	212.4	258.0	260.7
27.5°	317.3	315.9	300.7	306.2	267.6	293.8	223.5	244.2	260.7	278.6	306.2
30°	387.6	390.4	383.5	291.1	298.0	280.0	266.2	282.8	315.9	371.1	389.0
32.5°	478.7	481.4	408.3	350.4	299.3	340.7	285.5	311.7	362.8	389.0	408.3
35°	532.5	511.8	480.0	391.8	322.8	349.0	328.3	332.4	378.0	419.3	433.1
37.5°	578.0	550.4	513.1	404.2	340.7	376.6	342.1	347.6	409.7	446.9	464.9
40°	593.2	576.6	555.9	431.8	362.8	397.3	358.6	371.1	440.0	482.8	510.4
42.5°	630.4	631.8	619.4	470.4	386.2	419.3	386.2	394.5	480.0	532.5	572.5
45°	729.7	732.5	718.7	536.6	415.2	458.0	430.4	434.5	525.6	608.3	659.4
47.5°	856.6	847.0	833.2	624.9	459.3	502.1	481.4	477.3	579.4	707.6	753.2
50°	984.9	967.0	938.0	746.3	535.2	547.6	533.8	531.1	644.2	809.7	859.4
52.5°	1118.7	1104.9	1044.2	860.8	648.3	613.8	598.7	613.8	728.3	922.8	968.4
55°	1189.1	1175.3	1136.6	983.5	757.3	699.4	673.2	700.7	858.0	1029.0	1088.4
57.5°	1247.0	1242.9	1224.9	1111.8	889.7	790.4	764.2	790.4	961.5	1128.4	1198.7
60°	1329.8	1313.2	1329.8	1236.0	1018.0	902.1	866.3	893.9	1088.4	1215.3	1320.1
62.5°	1389.1	1384.9	1418.0	1375.3	1125.6	1019.4	967.0	993.2	1200.1	1307.7	1440.1
65°	1325.6	1346.3	1478.7	1466.3	1247.0	1139.4	1084.2	1075.9	1291.1	1407.0	1568.4
67.5°	1212.5	1226.3	1419.4	1513.2	1353.2	1260.8	1194.6	1156.0	1375.3	1496.7	1670.5
70°	1104.9	1121.5	1298.0	1516.0	1404.3	1416.7	1324.2	1252.5	1459.4	1597.4	1692.5
72.5°	1019.4	1034.6	1193.2	1482.9	1422.2	1572.5	1466.3	1354.6	1540.8	1600.1	1478.7
75°	635.9	646.9	960.1	1327.0	1433.2	1713.2	1596.0	1449.8	1533.9	1378.0	994.6
77.5°	195.9	200.0	411.1	875.9	1245.6	1699.4	1573.9	1362.9	1285.6	874.6	453.8
80°	67.6	69.0	106.2	311.7	744.9	1289.8	1200.1	1002.8	768.3	322.8	171.0
82.5°	31.7	34.5	49.7	104.8	303.5	704.9	709.0	595.9	322.8	143.5	115.9
85°	11.0	11.0	20.7	45.5	117.3	271.7	258.0	240.0	169.7	129.7	107.6
87.5°	4.1	4.1	6.9	12.4	29.0	57.9	73.1	89.7	89.7	91.0	109.0
90°	4.1	4.1	2.8	2.8	20.7	60.7	73.1	81.4	74.5	82.8	118.6
92.5°	4.1	4.1	2.8	2.8	22.1	70.4	81.4	88.3	78.6	88.3	131.0
95°	4.1	4.1	2.8	2.8	24.8	85.5	95.2	93.8	78.6	92.4	140.7
97.5°	5.5	5.5	2.8	1.4	22.1	91.0	102.1	99.3	67.6	70.4	110.4
100°	5.5	5.5	2.8	1.4	13.8	67.6	81.4	80.0	44.1	11.0	31.7
102.5°	5.5	5.5	2.8	1.4	2.8	31.7	38.6	40.0	26.2	4.1	5.5
105°	6.9	6.9	2.8	1.4	1.4	5.5	12.4	16.6	9.7	2.8	5.5
107.5°	6.9	6.9	2.8	1.4	1.4	2.8	2.8	4.1	4.1	2.8	6.9



REPORT NUMBER: P560217

CATALOG NUMBER: SDL-PA1-30-740-U-T4W-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	5.5	5.5	1.4	2.8	1.4	1.4	1.4	1.4	1.4	2.8	6.9
115°	2.8	2.8	1.4	1.4	0.0	1.4	1.4	1.4	1.4	2.8	5.5
117.5°	1.4	1.4	0.0	1.4	0.0	1.4	1.4	1.4	2.8	2.8	6.9
120°	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	4.1	8.3
122.5°	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	4.1	8.3
125°	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	4.1	8.3
127.5°	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	4.1	6.9
130°	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.8	5.5
132.5°	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.8	4.1
135°	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	2.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
140°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
145°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
150°	4.1	4.1	2.8	1.4	0.0	0.0	1.4	1.4	1.4	1.4	1.4
152.5°	2.8	2.8	4.1	1.4	0.0	0.0	1.4	1.4	2.8	1.4	1.4
155°	2.8	2.8	1.4	0.0	0.0	0.0	0.0	1.4	1.4	2.8	2.8
157.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	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 NUMBER: P560217

CATALOG NUMBER: SDL-PA1-30-740-U-T4W-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	293.8	293.8	293.8	293.8	293.8	293.8	293.8	293.8	293.8	293.8	293.8
2.5°	291.1	289.7	285.5	282.8	278.6	274.5	253.8	241.4	240.0	238.6	240.0
5°	285.5	281.4	274.5	242.8	227.6	213.8	209.7	206.9	200.0	200.0	201.4
7.5°	246.9	244.2	222.1	212.4	200.0	187.6	176.6	168.3	147.6	140.7	137.9
10°	216.6	211.1	172.4	153.1	140.7	126.9	126.9	115.9	110.4	106.2	104.8
12.5°	187.6	183.5	151.7	139.3	104.8	91.0	84.1	77.2	73.1	70.4	69.0
15°	219.3	212.4	162.8	111.7	77.2	64.8	51.0	49.7	62.1	64.8	66.2
17.5°	175.2	179.3	144.8	97.9	63.5	40.0	44.1	52.4	59.3	59.3	57.9
20°	233.1	223.5	157.3	78.6	45.5	40.0	42.8	38.6	55.2	59.3	59.3
22.5°	169.7	161.4	129.7	73.1	35.9	38.6	35.9	45.5	51.0	45.5	46.9
25°	252.4	240.0	150.4	51.0	37.2	33.1	41.4	35.9	49.7	53.8	55.2
27.5°	313.1	271.7	147.6	48.3	33.1	37.2	34.5	41.4	40.0	42.8	42.8
30°	373.8	350.4	166.9	44.1	33.1	31.7	35.9	35.9	45.5	49.7	49.7
32.5°	400.0	372.4	146.2	42.8	33.1	31.7	31.7	38.6	42.8	51.0	51.0
35°	427.6	390.4	122.8	40.0	31.7	30.3	30.3	38.6	45.5	51.0	52.4
37.5°	464.9	409.7	99.3	38.6	30.3	29.0	26.2	34.5	48.3	53.8	55.2
40°	511.8	437.3	77.2	35.9	27.6	26.2	24.8	34.5	41.4	48.3	48.3
42.5°	584.9	467.6	60.7	34.5	26.2	23.5	23.5	29.0	40.0	45.5	45.5
45°	659.4	503.5	51.0	33.1	24.8	22.1	22.1	29.0	30.3	38.6	38.6
47.5°	742.1	539.4	46.9	31.7	24.8	19.3	19.3	26.2	26.2	35.9	37.2
50°	827.7	569.7	44.1	30.3	22.1	17.9	22.1	17.9	22.1	34.5	37.2
52.5°	902.1	594.5	41.4	27.6	20.7	16.6	20.7	17.9	22.1	31.7	31.7
55°	978.0	608.3	40.0	26.2	19.3	13.8	20.7	19.3	20.7	29.0	29.0
57.5°	1045.6	612.5	38.6	26.2	16.6	12.4	19.3	23.5	17.9	23.5	26.2
60°	1106.3	608.3	34.5	23.5	12.4	12.4	20.7	27.6	24.8	27.6	27.6
62.5°	1162.9	593.2	27.6	19.3	9.7	12.4	26.2	30.3	23.5	29.0	31.7
65°	1211.1	572.5	20.7	15.2	6.9	13.8	27.6	34.5	27.6	33.1	35.9
67.5°	1233.2	544.9	16.6	12.4	6.9	15.2	29.0	38.6	31.7	37.2	40.0
70°	1196.0	488.3	13.8	12.4	5.5	17.9	30.3	41.4	35.9	46.9	48.3
72.5°	993.2	383.5	12.4	12.4	9.7	22.1	38.6	46.9	44.1	63.5	62.1
75°	658.0	209.7	12.4	11.0	12.4	26.2	46.9	55.2	48.3	71.7	71.7
77.5°	303.5	92.4	11.0	12.4	13.8	29.0	53.8	66.2	55.2	81.4	80.0
80°	132.4	56.6	11.0	11.0	15.2	31.7	60.7	74.5	60.7	89.7	89.7
82.5°	99.3	51.0	9.7	11.0	20.7	35.9	70.4	82.8	67.6	96.6	95.2
85°	92.4	48.3	11.0	12.4	23.5	45.5	82.8	89.7	70.4	99.3	99.3
87.5°	93.8	46.9	11.0	12.4	31.7	57.9	93.8	96.6	77.2	104.8	104.8
90°	96.6	48.3	12.4	13.8	35.9	63.5	104.8	103.5	86.9	110.4	110.4
92.5°	103.5	48.3	13.8	15.2	38.6	70.4	114.5	106.2	93.8	114.5	111.7
95°	107.6	48.3	15.2	16.6	45.5	77.2	121.4	103.5	99.3	106.2	103.5
97.5°	80.0	35.9	17.9	19.3	46.9	86.9	111.7	88.3	64.8	63.5	64.8
100°	26.2	12.4	19.3	20.7	30.3	60.7	82.8	63.5	34.5	26.2	26.2
102.5°	6.9	6.9	17.9	19.3	16.6	26.2	48.3	41.4	23.5	1.4	2.8
105°	6.9	5.5	11.0	15.2	9.7	6.9	19.3	23.5	17.9	1.4	1.4
107.5°	6.9	5.5	5.5	8.3	2.8	2.8	5.5	5.5	5.5	1.4	1.4



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CANDELA DISTRIBUTION (continued):

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

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110° | 6.9 6.9 2.8 2.8 1.4 1.4 1.4 1.4 2.8 2.8 6.9

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110°	6.9	5.5	2.8	2.8	2.8	2.8	2.8	1.4	1.4	2.8	2.8
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