

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: P560195

Luminaire Tested: **SDL-PA1-30-730-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560195
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-PA1-30-730-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 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: 2348.5 lumens
Efficiency: N/A
Efficacy: 78.0 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

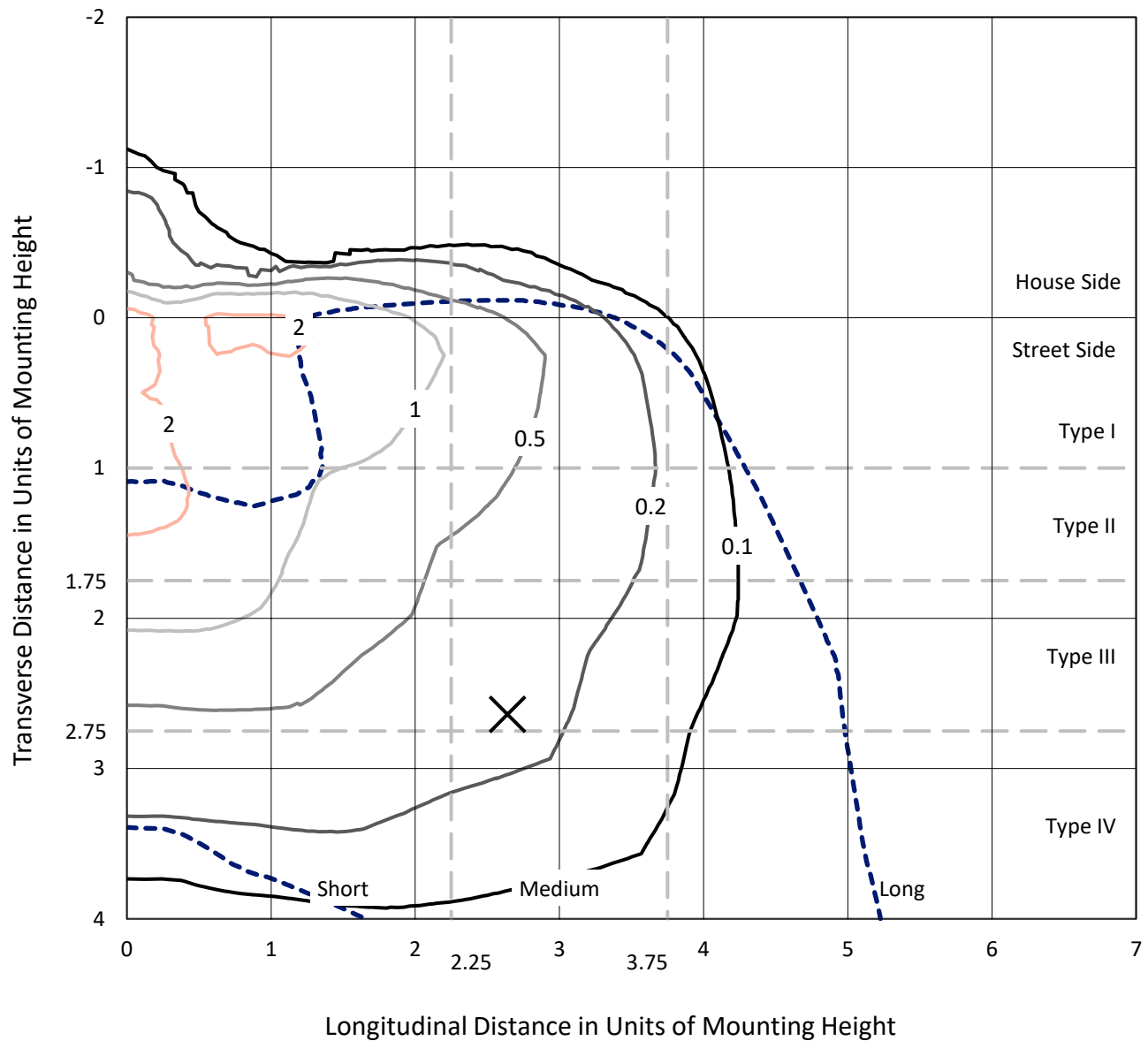


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

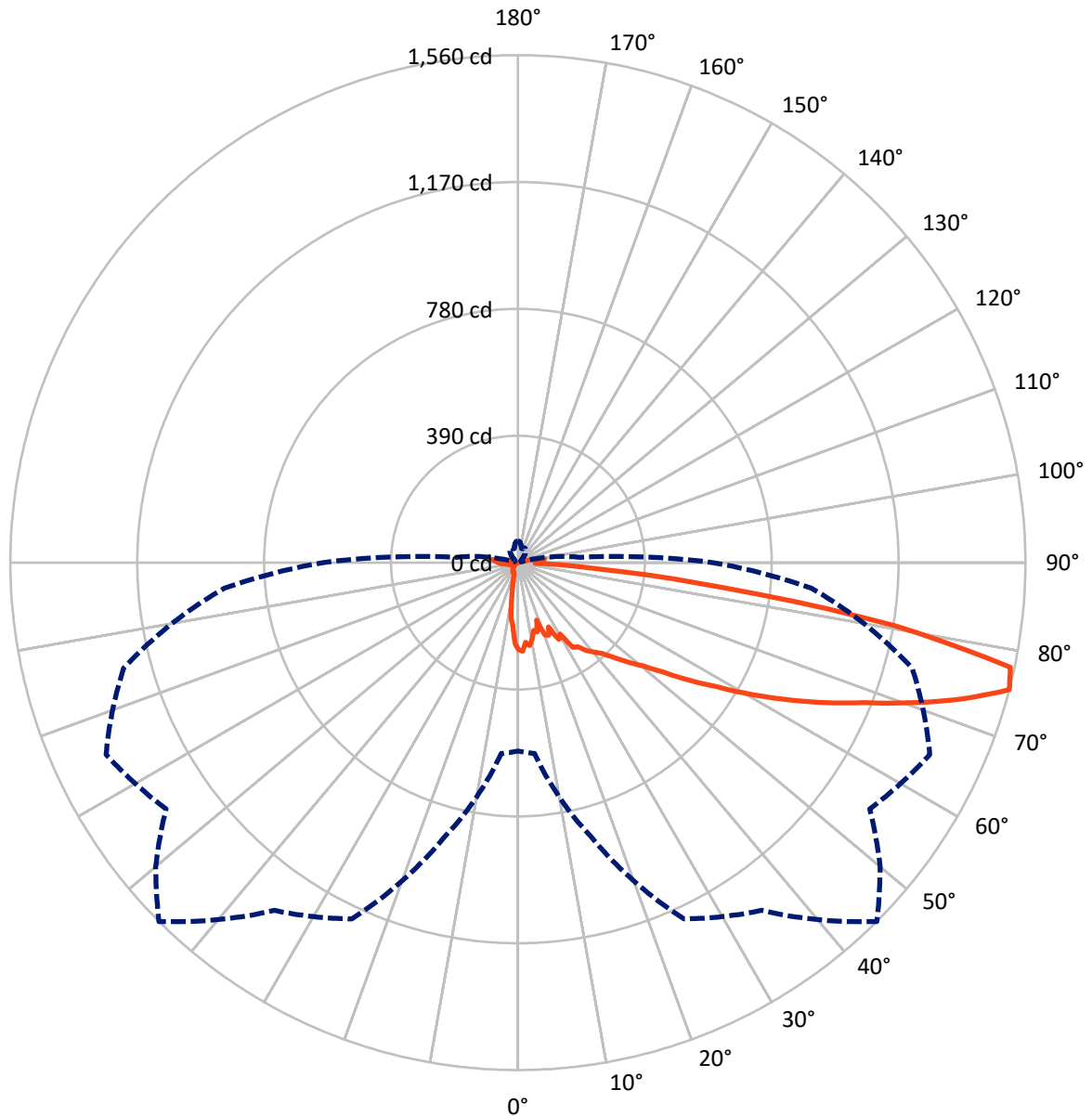


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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

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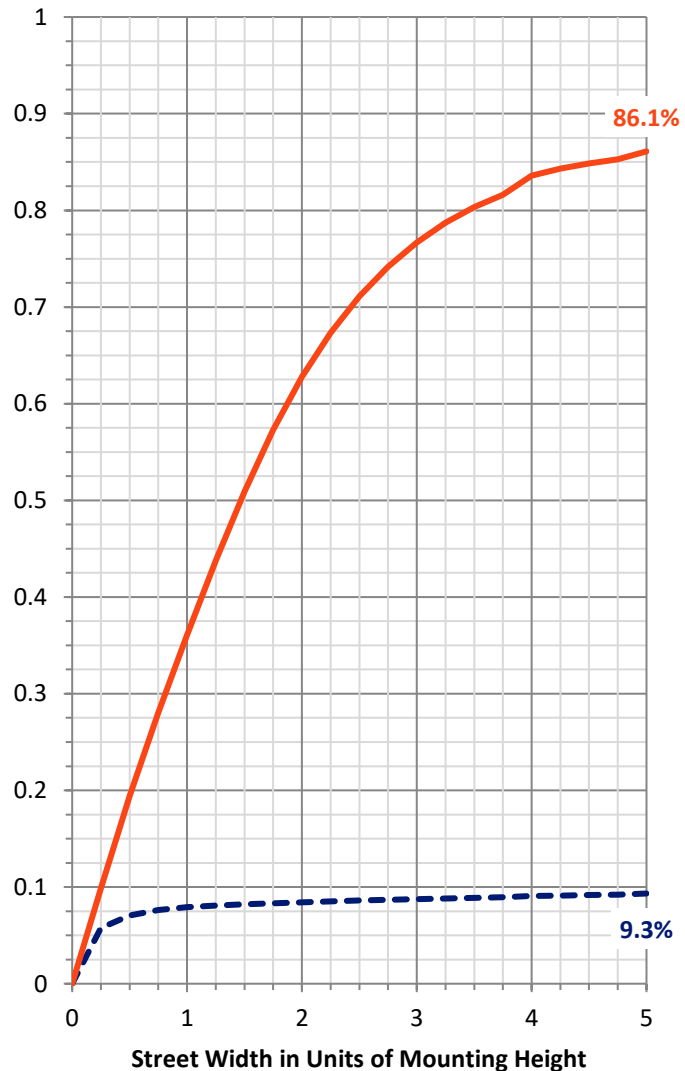
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	241.0	42.2	283.2
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	2032.7	32.6	2065.3
	% Fixture	86.6	1.4	87.9
Total	Lumens	2273.7	74.8	2348.5
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	0.9
10°-20°	44.9	1.9
20°-30°	75.4	3.2
30°-40°	139.8	6.0
40°-50°	235.6	10.0
50°-60°	422.8	18.0
60°-70°	634.9	27.0
70°-80°	580.8	24.7
80°-90°	118.8	5.1
90°-100°	56.8	2.4
100°-110°	12.1	0.5
110°-120°	2.3	0.1
120°-130°	1.8	0.1
130°-140°	0.8	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°	2273.7	96.8
0°-180°	2348.5	100.0



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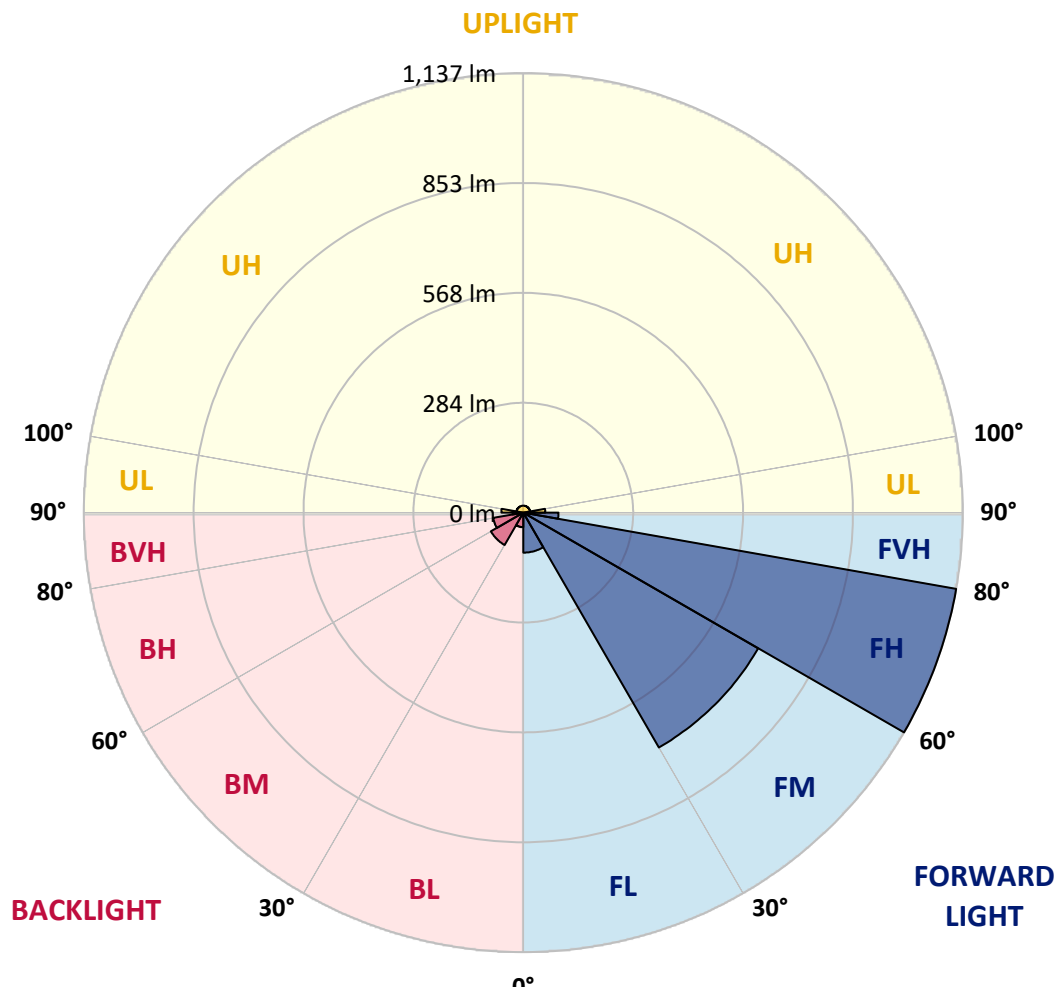
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	103.5	4.4			
FM	(30°-60°)	701.5	29.9			
FH	(60°-80°)	1136.7	48.4			G1/1800
FVH	(80°-90°)	91.1	3.9			G1/100
BL	(0°-30°)	37.6	1.6	B0/110		
BM	(30°-60°)	96.7	4.1	B0/220		
BH	(60°-80°)	79.0	3.4	B0/110		G0/110
BVH	(80°-90°)	27.7	1.2			G1/100
UL	(90°-100°)	56.8	2.4		U3/500	
UH	(100°-180°)	18.0	0.8		U2/50	

BUG Rating: B0-U3-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6
2.5°	260.0	272.6	268.8	275.1	273.9	272.6	272.6	273.9	272.6	270.1	267.6
5°	265.1	261.3	258.8	257.5	252.5	246.2	243.7	241.2	267.6	267.6	262.6
7.5°	272.6	272.6	267.6	263.8	263.8	257.5	251.3	246.2	233.7	229.9	229.9
10°	290.2	287.7	283.9	276.4	238.7	239.9	226.1	198.5	185.9	191.0	198.5
12.5°	294.0	292.7	287.7	286.4	251.3	213.6	177.1	198.5	189.7	158.3	175.9
15°	315.3	312.8	302.8	285.2	214.8	221.1	206.0	177.1	169.6	193.5	207.3
17.5°	268.8	268.8	301.5	276.4	233.7	185.9	184.7	206.0	185.9	173.4	172.1
20°	330.4	330.4	316.6	226.1	239.9	237.4	191.0	216.1	182.2	206.0	219.8
22.5°	275.1	273.9	283.9	280.1	229.9	242.5	196.0	197.2	217.3	185.9	159.5
25°	335.4	335.4	327.9	243.7	261.3	218.6	223.6	236.2	193.5	234.9	237.4
27.5°	288.9	287.7	273.9	278.9	243.7	267.6	203.5	222.4	237.4	253.8	278.9
30°	353.0	355.5	349.2	265.1	271.4	255.0	242.5	257.5	287.7	337.9	354.3
32.5°	435.9	438.4	371.9	319.1	272.6	310.3	260.0	283.9	330.4	354.3	371.9
35°	484.9	466.1	437.2	356.8	294.0	317.8	299.0	302.8	344.2	381.9	394.5
37.5°	526.4	501.2	467.3	368.1	310.3	343.0	311.6	316.6	373.1	407.0	423.4
40°	540.2	525.1	506.3	393.2	330.4	361.8	326.6	337.9	400.7	439.7	464.8
42.5°	574.1	575.4	564.1	428.4	351.8	381.9	351.8	359.3	437.2	484.9	521.3
45°	664.6	667.1	654.5	488.7	378.1	417.1	392.0	395.7	478.6	554.0	600.5
47.5°	780.1	771.3	758.8	569.1	418.3	457.3	438.4	434.7	527.6	644.5	685.9
50°	897.0	880.6	854.3	679.6	487.4	498.7	486.2	483.7	586.7	737.4	782.6
52.5°	1018.8	1006.3	951.0	783.9	590.4	559.0	545.2	559.0	663.3	840.4	881.9
55°	1082.9	1070.3	1035.2	895.7	689.7	636.9	613.1	638.2	781.4	937.2	991.2
57.5°	1135.7	1131.9	1115.6	1012.5	810.3	719.8	696.0	719.8	875.6	1027.6	1091.7
60°	1211.0	1196.0	1211.0	1125.6	927.1	821.6	788.9	814.1	991.2	1106.8	1202.2
62.5°	1265.1	1261.3	1291.4	1252.5	1025.1	928.4	880.6	904.5	1092.9	1190.9	1311.5
65°	1207.3	1226.1	1346.7	1335.4	1135.7	1037.7	987.4	979.9	1175.9	1281.4	1428.4
67.5°	1104.3	1116.8	1292.7	1378.1	1232.4	1148.2	1087.9	1052.7	1252.5	1363.0	1521.3
70°	1006.3	1021.3	1182.1	1380.6	1278.9	1290.2	1206.0	1140.7	1329.1	1454.7	1541.4
72.5°	928.4	942.2	1086.7	1350.5	1295.2	1432.1	1335.4	1233.6	1403.2	1457.3	1346.7
75°	579.1	589.2	874.4	1208.5	1305.3	1560.3	1453.5	1320.3	1397.0	1255.0	905.8
77.5°	178.4	182.2	374.4	797.7	1134.4	1547.7	1433.4	1241.2	1170.8	796.5	413.3
80°	61.6	62.8	96.7	283.9	678.4	1174.6	1092.9	913.3	699.7	294.0	155.8
82.5°	28.9	31.4	45.2	95.5	276.4	641.9	645.7	542.7	294.0	130.7	105.5
85°	10.1	10.1	18.8	41.5	106.8	247.5	234.9	218.6	154.5	118.1	98.0
87.5°	3.8	3.8	6.3	11.3	26.4	52.8	66.6	81.7	81.7	82.9	99.2
90°	3.8	3.8	2.5	2.5	18.8	55.3	66.6	74.1	67.8	75.4	108.0
92.5°	3.8	3.8	2.5	2.5	20.1	64.1	74.1	80.4	71.6	80.4	119.3
95°	3.8	3.8	2.5	2.5	22.6	77.9	86.7	85.4	71.6	84.2	128.1
97.5°	5.0	5.0	2.5	1.3	20.1	82.9	93.0	90.5	61.6	64.1	100.5
100°	5.0	5.0	2.5	1.3	12.6	61.6	74.1	72.9	40.2	10.1	28.9
102.5°	5.0	5.0	2.5	1.3	2.5	28.9	35.2	36.4	23.9	3.8	5.0
105°	6.3	6.3	2.5	1.3	1.3	5.0	11.3	15.1	8.8	2.5	5.0
107.5°	6.3	6.3	2.5	1.3	1.3	2.5	2.5	3.8	3.8	2.5	6.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	5.0	5.0	1.3	2.5	1.3	1.3	1.3	1.3	1.3	2.5	6.3
115°	2.5	2.5	1.3	1.3	0.0	1.3	1.3	1.3	1.3	2.5	5.0
117.5°	1.3	1.3	0.0	1.3	0.0	1.3	1.3	1.3	2.5	2.5	6.3
120°	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	3.8	7.5
122.5°	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	3.8	7.5
125°	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	3.8	7.5
127.5°	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	3.8	6.3
130°	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	2.5	5.0
132.5°	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	2.5	3.8
135°	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	2.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
145°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150°	3.8	3.8	2.5	1.3	0.0	0.0	1.3	1.3	1.3	1.3	1.3
152.5°	2.5	2.5	3.8	1.3	0.0	0.0	1.3	1.3	2.5	1.3	1.3
155°	2.5	2.5	1.3	0.0	0.0	0.0	0.0	1.3	1.3	2.5	2.5
157.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6
2.5°	265.1	263.8	260.0	257.5	253.8	250.0	231.2	219.8	218.6	217.3	218.6
5°	260.0	256.3	250.0	221.1	207.3	194.7	191.0	188.4	182.2	182.2	183.4
7.5°	224.9	222.4	202.3	193.5	182.2	170.9	160.8	153.3	134.4	128.1	125.6
10°	197.2	192.2	157.0	139.4	128.1	115.6	115.6	105.5	100.5	96.7	95.5
12.5°	170.9	167.1	138.2	126.9	95.5	82.9	76.6	70.4	66.6	64.1	62.8
15°	199.7	193.5	148.2	101.8	70.4	59.0	46.5	45.2	56.5	59.0	60.3
17.5°	159.5	163.3	131.9	89.2	57.8	36.4	40.2	47.7	54.0	54.0	52.8
20°	212.3	203.5	143.2	71.6	41.5	36.4	38.9	35.2	50.3	54.0	54.0
22.5°	154.5	147.0	118.1	66.6	32.7	35.2	32.7	41.5	46.5	41.5	42.7
25°	229.9	218.6	136.9	46.5	33.9	30.2	37.7	32.7	45.2	49.0	50.3
27.5°	285.2	247.5	134.4	44.0	30.2	33.9	31.4	37.7	36.4	38.9	38.9
30°	340.4	319.1	152.0	40.2	30.2	28.9	32.7	32.7	41.5	45.2	45.2
32.5°	364.3	339.2	133.2	38.9	30.2	28.9	28.9	35.2	38.9	46.5	46.5
35°	389.4	355.5	111.8	36.4	28.9	27.6	27.6	35.2	41.5	46.5	47.7
37.5°	423.4	373.1	90.5	35.2	27.6	26.4	23.9	31.4	44.0	49.0	50.3
40°	466.1	398.2	70.4	32.7	25.1	23.9	22.6	31.4	37.7	44.0	44.0
42.5°	532.7	425.9	55.3	31.4	23.9	21.4	21.4	26.4	36.4	41.5	41.5
45°	600.5	458.5	46.5	30.2	22.6	20.1	20.1	26.4	27.6	35.2	35.2
47.5°	675.9	491.2	42.7	28.9	22.6	17.6	17.6	23.9	23.9	32.7	33.9
50°	753.8	518.8	40.2	27.6	20.1	16.3	20.1	16.3	20.1	31.4	33.9
52.5°	821.6	541.4	37.7	25.1	18.8	15.1	18.8	16.3	20.1	28.9	28.9
55°	890.7	554.0	36.4	23.9	17.6	12.6	18.8	17.6	18.8	26.4	26.4
57.5°	952.2	557.8	35.2	23.9	15.1	11.3	17.6	21.4	16.3	21.4	23.9
60°	1007.5	554.0	31.4	21.4	11.3	11.3	18.8	25.1	22.6	25.1	25.1
62.5°	1059.0	540.2	25.1	17.6	8.8	11.3	23.9	27.6	21.4	26.4	28.9
65°	1103.0	521.3	18.8	13.8	6.3	12.6	25.1	31.4	25.1	30.2	32.7
67.5°	1123.1	496.2	15.1	11.3	6.3	13.8	26.4	35.2	28.9	33.9	36.4
70°	1089.2	444.7	12.6	11.3	5.0	16.3	27.6	37.7	32.7	42.7	44.0
72.5°	904.5	349.2	11.3	11.3	8.8	20.1	35.2	42.7	40.2	57.8	56.5
75°	599.2	191.0	11.3	10.1	11.3	23.9	42.7	50.3	44.0	65.3	65.3
77.5°	276.4	84.2	10.1	11.3	12.6	26.4	49.0	60.3	50.3	74.1	72.9
80°	120.6	51.5	10.1	10.1	13.8	28.9	55.3	67.8	55.3	81.7	81.7
82.5°	90.5	46.5	8.8	10.1	18.8	32.7	64.1	75.4	61.6	87.9	86.7
85°	84.2	44.0	10.1	11.3	21.4	41.5	75.4	81.7	64.1	90.5	90.5
87.5°	85.4	42.7	10.1	11.3	28.9	52.8	85.4	87.9	70.4	95.5	95.5
90°	87.9	44.0	11.3	12.6	32.7	57.8	95.5	94.2	79.1	100.5	100.5
92.5°	94.2	44.0	12.6	13.8	35.2	64.1	104.3	96.7	85.4	104.3	101.8
95°	98.0	44.0	13.8	15.1	41.5	70.4	110.6	94.2	90.5	96.7	94.2
97.5°	72.9	32.7	16.3	17.6	42.7	79.1	101.8	80.4	59.0	57.8	59.0
100°	23.9	11.3	17.6	18.8	27.6	55.3	75.4	57.8	31.4	23.9	23.9
102.5°	6.3	6.3	16.3	17.6	15.1	23.9	44.0	37.7	21.4	1.3	2.5
105°	6.3	5.0	10.1	13.8	8.8	6.3	17.6	21.4	16.3	1.3	1.3
107.5°	6.3	5.0	5.0	7.5	2.5	2.5	5.0	5.0	5.0	1.3	1.3



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CATALOG NUMBER: SDL-PA1-30-730-U-T4W-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.5	5.0	2.5	2.5	2.5	1.3	1.3	1.3	1.3	3.8	5.0
115°	6.3	5.0	1.3	2.5	1.3	1.3	1.3	1.3	2.5	5.0	6.3
117.5°	6.3	5.0	1.3	1.3	1.3	1.3	1.3	1.3	2.5	6.3	7.5
120°	7.5	6.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5	7.5	7.5
122.5°	7.5	6.3	1.3	1.3	1.3	1.3	0.0	1.3	3.8	7.5	7.5
125°	7.5	6.3	1.3	1.3	1.3	0.0	0.0	1.3	3.8	7.5	8.8
127.5°	6.3	5.0	1.3	1.3	1.3	0.0	0.0	1.3	2.5	6.3	7.5
130°	5.0	3.8	1.3	1.3	1.3	0.0	0.0	0.0	2.5	6.3	6.3
132.5°	3.8	2.5	1.3	1.3	1.3	0.0	0.0	0.0	2.5	5.0	5.0
135°	2.5	2.5	1.3	1.3	1.3	0.0	0.0	0.0	1.3	3.8	3.8
137.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	1.3	1.3	1.3
140°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.5	2.5	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.3	1.3	1.3	1.3	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



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110°	6.3	6.3	2.5	2.5	1.3	1.3	1.3	1.3	2.5	2.5	6.3
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110°	6.3	5.0	2.5	2.5	2.5	2.5	2.5	1.3	1.3	2.5	2.5
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(END OF REPORT)