

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: P560179

Luminaire Tested: **SDL-PA1-30-730-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560179
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)
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-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2719.2 lumens
Efficiency: N/A
Efficacy: 90.3 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

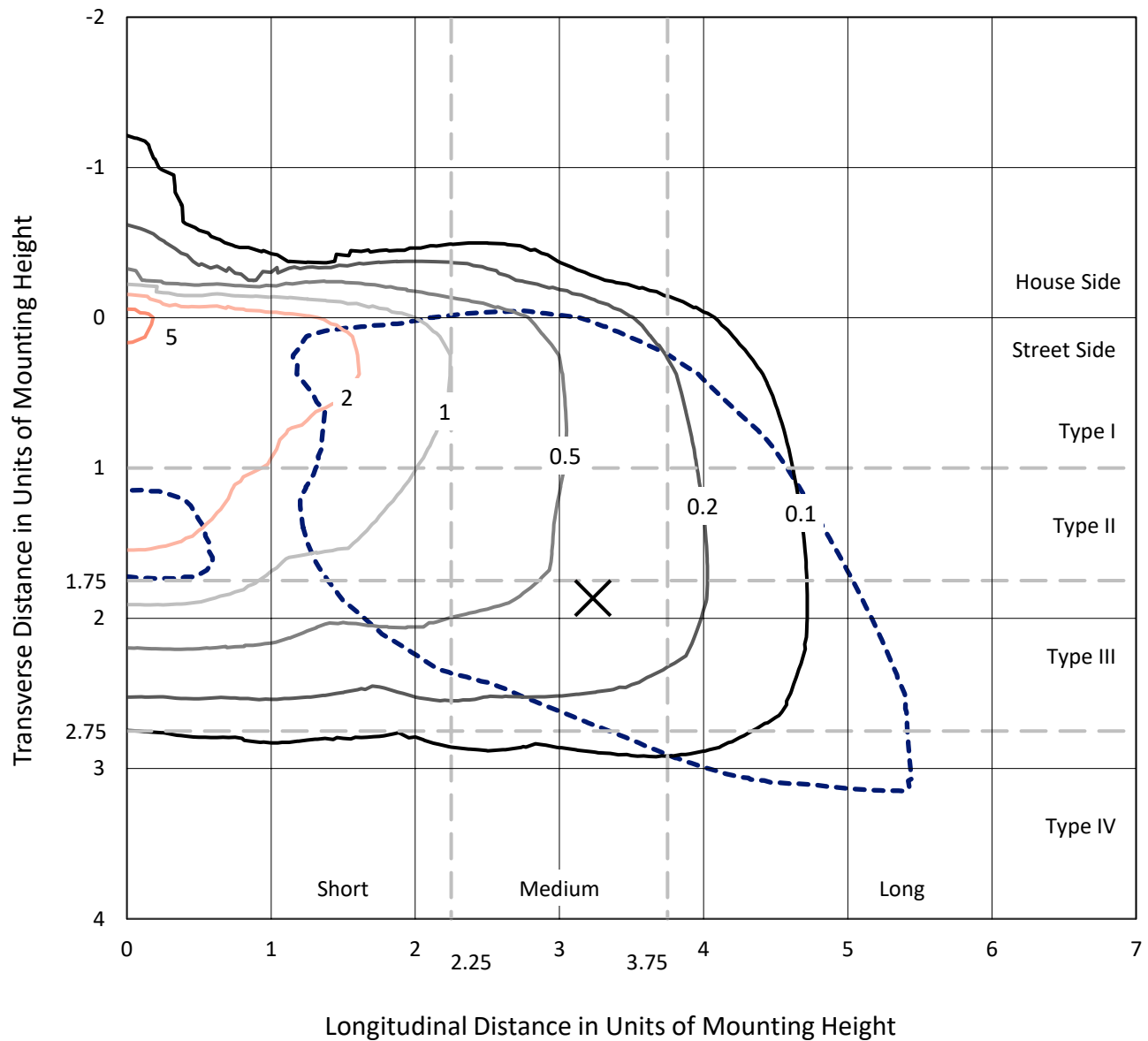


REPORT NUMBER: P560179

CATALOG NUMBER: SDL-PA1-30-730-U-SL3-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

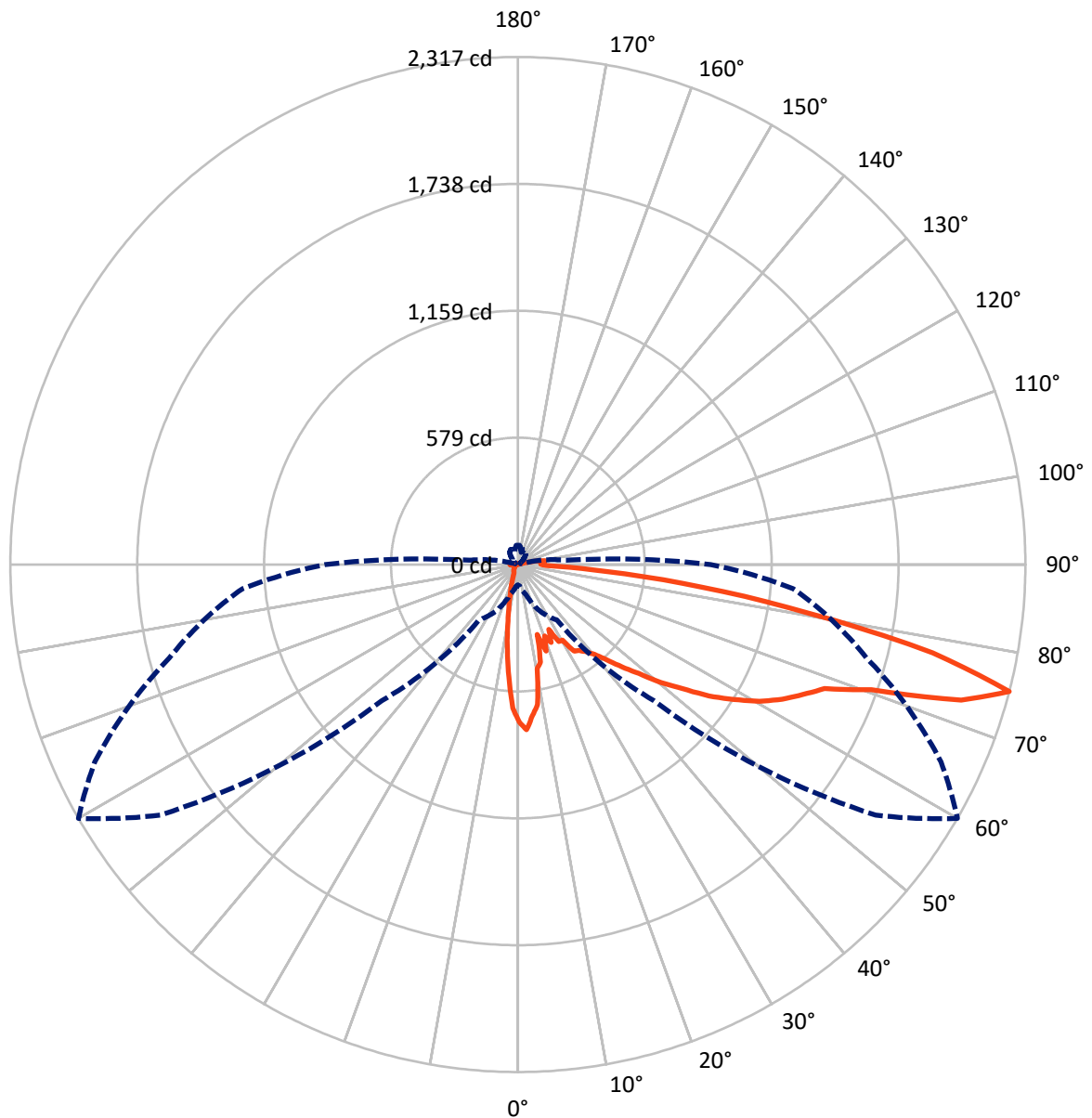
× Max cd
 --- 1/2 Max cd



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

REPORT NUMBER: P560179
CATALOG NUMBER: SDL-PA1-30-730-U-SL3-HSS-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P560179

CATALOG NUMBER: SDL-PA1-30-730-U-SL3-HSS-A

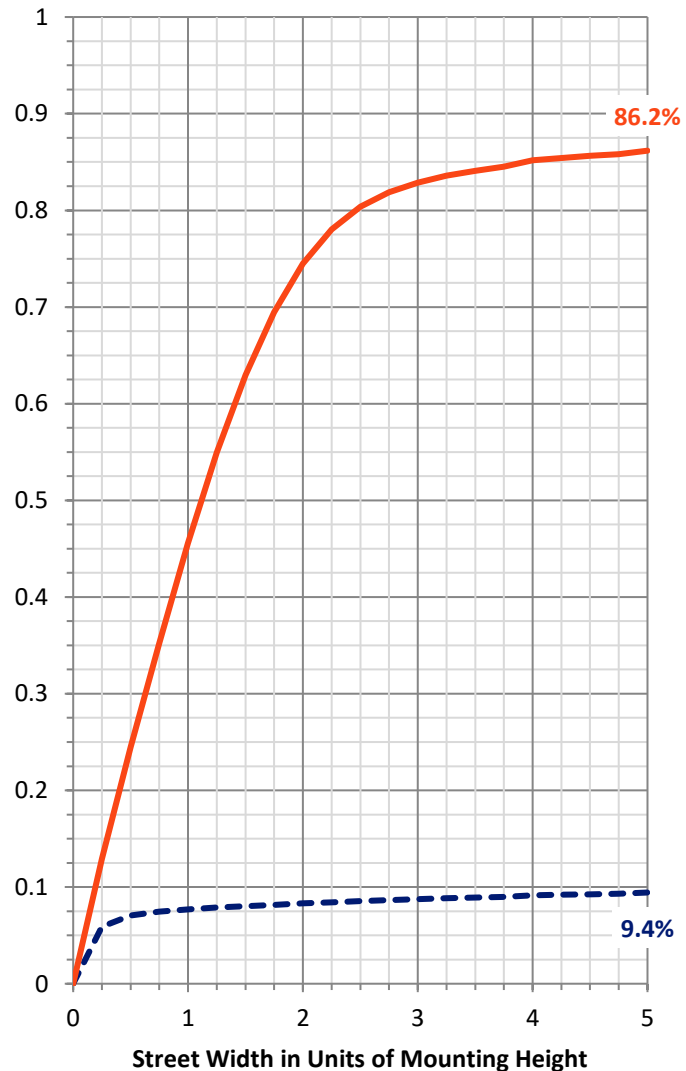
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	281.0	36.7	317.7
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	2363.2	38.3	2401.5
	% Fixture	86.9	1.4	88.3
Total	Lumens	2644.2	75.0	2719.2
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.9	1.8
10°-20°	81.8	3.0
20°-30°	115.7	4.3
30°-40°	207.9	7.6
40°-50°	350.3	12.9
50°-60°	544.8	20.0
60°-70°	642.9	23.6
70°-80°	521.5	19.2
80°-90°	129.5	4.8
90°-100°	52.3	1.9
100°-110°	12.1	0.4
110°-120°	3.8	0.1
120°-130°	3.4	0.1
130°-140°	1.8	0.1
140°-150°	0.9	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2644.2	97.2
0°-180°	2719.2	100.0



REPORT NUMBER: P560179

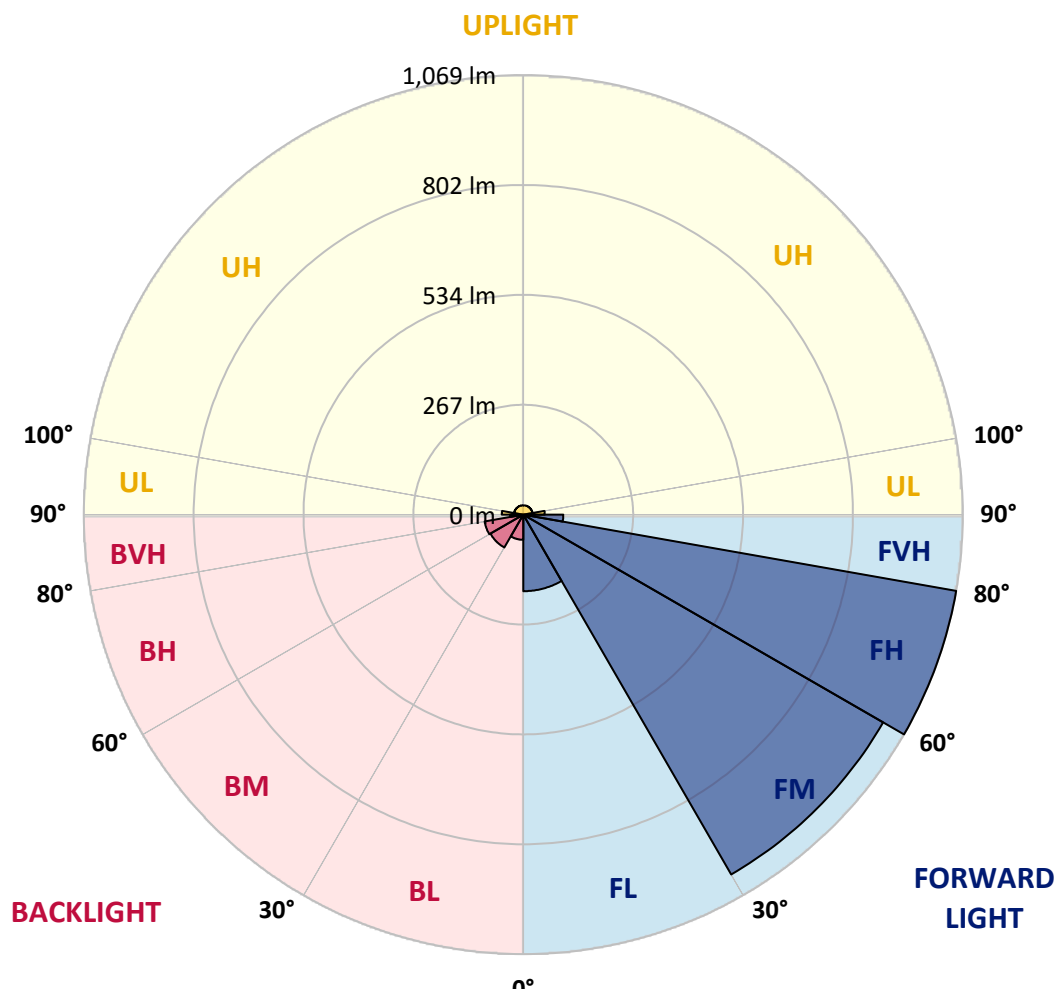
CATALOG NUMBER: SDL-PA1-30-730-U-SL3-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	186.2	6.8			
FM	(30°-60°)	1010.6	37.2			
FH	(60°-80°)	1069.0	39.3			G1/1800
FVH	(80°-90°)	97.3	3.6			G1/100
BL	(0°-30°)	61.1	2.2	B0/110		
BM	(30°-60°)	92.4	3.4	B0/220		
BH	(60°-80°)	95.4	3.5	B0/110		G0/110
BVH	(80°-90°)	32.1	1.2			G1/100
UL	(90°-100°)	52.3	1.9		U3/500	
UH	(100°-180°)	22.7	0.8		U2/50	

BUG Rating: B0-U3-G1

Type IV Medium





REPORT NUMBER: P560179

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8
2.5°	676.0	727.6	712.5	760.2	766.5	764.0	761.5	755.2	748.9	737.6	720.0
5°	648.4	653.4	649.7	658.5	659.7	663.5	657.2	692.4	751.4	736.4	708.7
7.5°	532.8	585.6	591.9	608.2	623.3	638.4	647.1	645.9	570.5	640.9	609.4
10°	544.1	551.6	550.4	561.7	549.1	527.8	481.3	482.5	482.5	497.6	513.9
12.5°	431.0	453.6	508.9	526.5	488.8	444.8	448.6	457.4	463.7	393.3	433.5
15°	488.8	490.1	491.3	491.3	368.2	421.0	366.9	331.7	379.5	464.9	472.5
17.5°	383.3	379.5	442.3	437.3	405.9	312.9	407.1	415.9	399.6	390.8	393.3
20°	449.9	449.9	446.1	355.6	374.5	403.4	349.3	348.1	368.2	457.4	462.4
22.5°	364.4	360.6	380.7	395.8	355.6	384.5	344.3	387.0	428.5	404.6	330.5
25°	456.1	456.1	441.1	343.1	368.2	330.5	382.0	328.0	364.4	495.1	471.2
27.5°	422.2	410.9	375.7	389.5	330.5	384.5	351.8	398.3	421.0	512.7	549.1
30°	545.4	541.6	501.4	392.1	375.7	353.1	378.2	400.9	485.0	664.7	634.6
32.5°	727.6	707.5	570.5	485.0	394.6	418.4	403.4	471.2	532.8	679.8	643.4
35°	776.6	761.5	696.2	589.3	442.3	442.3	433.5	481.3	546.6	712.5	662.2
37.5°	792.9	791.7	769.0	644.6	507.7	508.9	458.7	505.2	574.3	756.5	689.9
40°	803.0	805.5	828.1	702.4	576.8	574.3	505.2	539.1	617.0	804.2	740.1
42.5°	845.7	859.5	887.2	766.5	642.1	643.4	561.7	593.1	673.5	883.4	809.2
45°	941.2	945.0	961.3	854.5	703.7	712.5	633.3	666.0	742.6	970.1	887.2
47.5°	1085.7	1085.7	1058.1	923.6	776.6	789.1	708.7	742.6	824.3	1097.0	977.6
50°	1213.9	1203.8	1143.5	1005.3	835.6	863.3	808.0	846.9	893.4	1193.8	1090.7
52.5°	1294.3	1290.5	1216.4	1060.6	898.5	945.0	889.7	939.9	973.9	1294.3	1192.5
55°	1283.0	1283.0	1235.2	1089.5	956.3	1019.1	995.2	1058.1	1070.6	1389.8	1266.6
57.5°	1240.3	1246.5	1223.9	1100.8	967.6	1089.5	1103.3	1162.3	1183.7	1445.1	1313.1
60°	1153.6	1166.1	1190.0	1115.9	1011.6	1168.6	1213.9	1266.6	1306.9	1486.6	1352.1
62.5°	991.5	1007.8	1092.0	1114.6	1045.5	1250.3	1308.1	1354.6	1392.3	1509.2	1379.7
65°	751.4	781.6	903.5	1034.2	1043.0	1345.8	1384.8	1430.0	1466.4	1531.8	1451.4
67.5°	480.0	481.3	613.2	854.5	972.6	1480.3	1487.8	1510.4	1534.3	1594.6	1553.2
70°	247.5	260.1	322.9	545.4	796.7	1507.9	1745.4	1712.7	1676.3	1731.6	1685.1
72.5°	164.6	178.4	212.4	294.0	500.1	1359.6	2025.6	2116.1	1955.3	1833.4	1569.5
75°	93.0	100.5	142.0	232.5	309.1	878.4	1994.2	2317.2	2131.2	1647.4	1261.6
77.5°	41.5	44.0	64.1	182.2	265.1	428.5	1569.5	1936.4	1862.3	1373.5	909.8
80°	22.6	22.6	30.2	84.2	224.9	322.9	1041.7	1348.3	1266.6	828.1	413.4
82.5°	12.6	13.8	17.6	40.2	137.0	295.3	658.5	845.7	668.5	227.4	167.1
85°	5.0	5.0	7.5	21.4	50.3	250.1	360.6	402.1	270.2	115.6	129.4
87.5°	2.5	2.5	2.5	7.5	16.3	64.1	118.1	126.9	99.3	91.7	111.8
90°	3.8	3.8	2.5	2.5	11.3	67.9	99.3	104.3	81.7	91.7	113.1
92.5°	5.0	3.8	2.5	2.5	8.8	67.9	113.1	111.8	81.7	91.7	116.9
95°	6.3	5.0	2.5	2.5	8.8	60.3	135.7	121.9	88.0	93.0	123.1
97.5°	6.3	6.3	2.5	2.5	8.8	46.5	143.3	123.1	76.7	60.3	84.2
100°	7.5	7.5	2.5	2.5	10.1	27.6	99.3	91.7	54.0	20.1	23.9
102.5°	8.8	8.8	2.5	2.5	6.3	13.8	47.8	46.5	30.2	5.0	8.8
105°	8.8	10.1	2.5	2.5	2.5	6.3	17.6	21.4	15.1	5.0	8.8
107.5°	10.1	11.3	2.5	2.5	2.5	3.8	7.5	7.5	5.0	5.0	8.8



REPORT NUMBER: P560179

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	7.5	7.5	1.3	2.5	2.5	2.5	1.3	2.5	2.5	3.8	7.5
115°	3.8	2.5	1.3	2.5	1.3	2.5	1.3	2.5	3.8	3.8	8.8
117.5°	1.3	1.3	1.3	1.3	1.3	2.5	1.3	2.5	2.5	6.3	11.3
120°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5	8.8	13.8
122.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5	8.8	16.3
125°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5	6.3	15.1
127.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5	6.3	12.6
130°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5	5.0	11.3
132.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5	5.0	8.8
135°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5	6.3
137.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5
140°	1.3	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
142.5°	1.3	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
145°	1.3	1.3	1.3	1.3	2.5	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3
150°	5.0	5.0	5.0	3.8	2.5	1.3	3.8	2.5	1.3	1.3	1.3
152.5°	3.8	3.8	6.3	2.5	1.3	1.3	1.3	3.8	3.8	1.3	1.3
155°	3.8	3.8	2.5	1.3	1.3	1.3	1.3	1.3	1.3	3.8	5.0
157.5°	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3	2.5	1.3
160°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	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



REPORT NUMBER: P560179

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8	718.8
2.5°	713.7	706.2	686.1	667.3	644.6	630.8	583.1	529.0	517.7	515.2	506.4
5°	696.2	679.8	640.9	557.9	475.0	437.3	419.7	405.9	387.0	383.3	378.2
7.5°	590.6	563.0	502.6	400.9	388.3	353.1	324.2	300.3	248.8	235.0	227.4
10°	491.3	467.5	343.1	291.5	265.1	238.8	207.3	183.5	162.1	152.0	148.3
12.5°	397.1	373.2	256.3	231.2	164.6	135.7	118.1	98.0	81.7	72.9	72.9
15°	439.8	400.9	265.1	164.6	108.1	80.4	59.1	52.8	61.6	62.8	62.8
17.5°	359.4	320.4	208.6	128.2	79.2	44.0	47.8	54.0	59.1	51.5	52.8
20°	413.4	359.4	209.9	96.8	50.3	42.7	44.0	40.2	54.0	55.3	55.3
22.5°	312.9	282.7	158.3	76.7	39.0	40.2	37.7	45.2	50.3	44.0	42.7
25°	404.6	333.0	160.8	49.0	39.0	32.7	39.0	35.2	46.5	47.8	47.8
27.5°	463.7	373.2	140.7	42.7	32.7	35.2	31.4	36.4	35.2	35.2	35.2
30°	526.5	407.1	137.0	41.5	31.4	28.9	30.2	28.9	33.9	35.2	35.2
32.5°	526.5	389.5	104.3	41.5	30.2	27.6	23.9	26.4	27.6	30.2	31.4
35°	530.3	374.5	76.7	37.7	27.6	23.9	21.4	21.4	23.9	25.1	25.1
37.5°	541.6	364.4	59.1	35.2	25.1	21.4	17.6	18.8	32.7	36.4	36.4
40°	573.0	364.4	50.3	32.7	22.6	18.8	15.1	23.9	27.6	32.7	32.7
42.5°	622.0	369.4	47.8	31.4	20.1	16.3	12.6	18.8	33.9	39.0	40.2
45°	673.5	379.5	45.2	30.2	18.8	13.8	15.1	22.6	26.4	35.2	35.2
47.5°	745.2	400.9	44.0	28.9	17.6	11.3	13.8	22.6	28.9	37.7	37.7
50°	823.1	423.5	41.5	27.6	15.1	10.1	21.4	18.8	23.9	39.0	39.0
52.5°	903.5	449.9	40.2	26.4	13.8	13.8	23.9	22.6	28.9	37.7	39.0
55°	973.9	471.2	37.7	26.4	12.6	12.6	25.1	22.6	26.4	35.2	36.4
57.5°	1007.8	475.0	36.4	25.1	11.3	12.6	23.9	27.6	23.9	28.9	31.4
60°	1050.5	485.0	32.7	22.6	10.1	16.3	27.6	36.4	32.7	37.7	40.2
62.5°	1090.7	492.6	28.9	20.1	8.8	17.6	36.4	44.0	35.2	44.0	49.0
65°	1164.9	508.9	23.9	16.3	7.5	20.1	41.5	52.8	39.0	51.5	51.5
67.5°	1267.9	535.3	18.8	13.8	7.5	22.6	42.7	60.3	46.5	56.5	55.3
70°	1308.1	492.6	16.3	12.6	7.5	26.4	46.5	65.3	49.0	62.8	62.8
72.5°	1141.0	355.6	13.8	12.6	12.6	30.2	57.8	71.6	54.0	79.2	77.9
75°	880.9	223.7	13.8	12.6	15.1	37.7	65.3	76.7	57.8	88.0	86.7
77.5°	586.8	105.6	13.8	13.8	17.6	41.5	70.4	81.7	64.1	98.0	96.8
80°	230.0	57.8	15.1	15.1	21.4	44.0	75.4	84.2	66.6	105.6	104.3
82.5°	110.6	40.2	15.1	15.1	28.9	49.0	80.4	88.0	69.1	106.8	105.6
85°	94.2	37.7	13.8	16.3	35.2	61.6	85.4	86.7	70.4	101.8	101.8
87.5°	84.2	36.4	13.8	16.3	47.8	71.6	89.2	85.4	75.4	99.3	99.3
90°	86.7	39.0	15.1	18.8	54.0	72.9	90.5	85.4	72.9	91.7	91.7
92.5°	93.0	41.5	16.3	20.1	54.0	67.9	84.2	76.7	67.9	77.9	76.7
95°	98.0	44.0	17.6	22.6	47.8	52.8	70.4	61.6	56.5	60.3	60.3
97.5°	75.4	33.9	20.1	25.1	36.4	31.4	44.0	40.2	30.2	25.1	25.1
100°	20.1	11.3	21.4	25.1	25.1	21.4	32.7	30.2	20.1	8.8	8.8
102.5°	7.5	7.5	20.1	23.9	20.1	16.3	23.9	22.6	16.3	2.5	2.5
105°	7.5	6.3	12.6	18.8	12.6	8.8	12.6	15.1	10.1	2.5	2.5
107.5°	7.5	6.3	7.5	11.3	5.0	3.8	5.0	5.0	5.0	1.3	2.5



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CATALOG NUMBER: SDL-PA1-30-730-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.5	6.3	3.8	5.0	3.8	3.8	2.5	2.5	3.8	7.5	7.5
115°	7.5	6.3	3.8	3.8	2.5	3.8	2.5	1.3	3.8	8.8	10.1
117.5°	10.1	6.3	2.5	2.5	2.5	2.5	2.5	1.3	3.8	11.3	12.6
120°	12.6	7.5	2.5	2.5	2.5	1.3	2.5	1.3	5.0	11.3	12.6
122.5°	13.8	8.8	2.5	2.5	2.5	1.3	1.3	2.5	5.0	11.3	11.3
125°	13.8	8.8	2.5	2.5	1.3	1.3	1.3	1.3	5.0	11.3	12.6
127.5°	11.3	7.5	2.5	2.5	1.3	1.3	1.3	1.3	5.0	10.1	11.3
130°	10.1	7.5	2.5	2.5	1.3	1.3	1.3	1.3	5.0	8.8	10.1
132.5°	7.5	6.3	2.5	1.3	1.3	1.3	1.3	1.3	5.0	7.5	8.8
135°	6.3	3.8	2.5	1.3	1.3	1.3	1.3	1.3	3.8	7.5	7.5
137.5°	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3	2.5	3.8	3.8
140°	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5
142.5°	1.3	2.5	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
145°	1.3	2.5	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
147.5°	1.3	2.5	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	1.3
150°	1.3	2.5	1.3	1.3	1.3	1.3	0.0	1.3	1.3	1.3	2.5
152.5°	1.3	2.5	1.3	1.3	1.3	0.0	0.0	1.3	1.3	1.3	1.3
155°	5.0	3.8	2.5	1.3	1.3	0.0	0.0	0.0	1.3	1.3	1.3
157.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	1.3	1.3	1.3
160°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	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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110°	10.1	10.1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	8.8
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110°	7.5	6.3	3.8	5.0	3.8	3.8	3.8	2.5	2.5	5.0	5.0
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(END OF REPORT)