

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: P560007

Luminaire Tested: **SDL-PA1-20-730-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560007
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-PA1-20-730-U-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 260mA 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: 1907.9 lumens
Efficiency: N/A
Efficacy: 90.9 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): 21
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

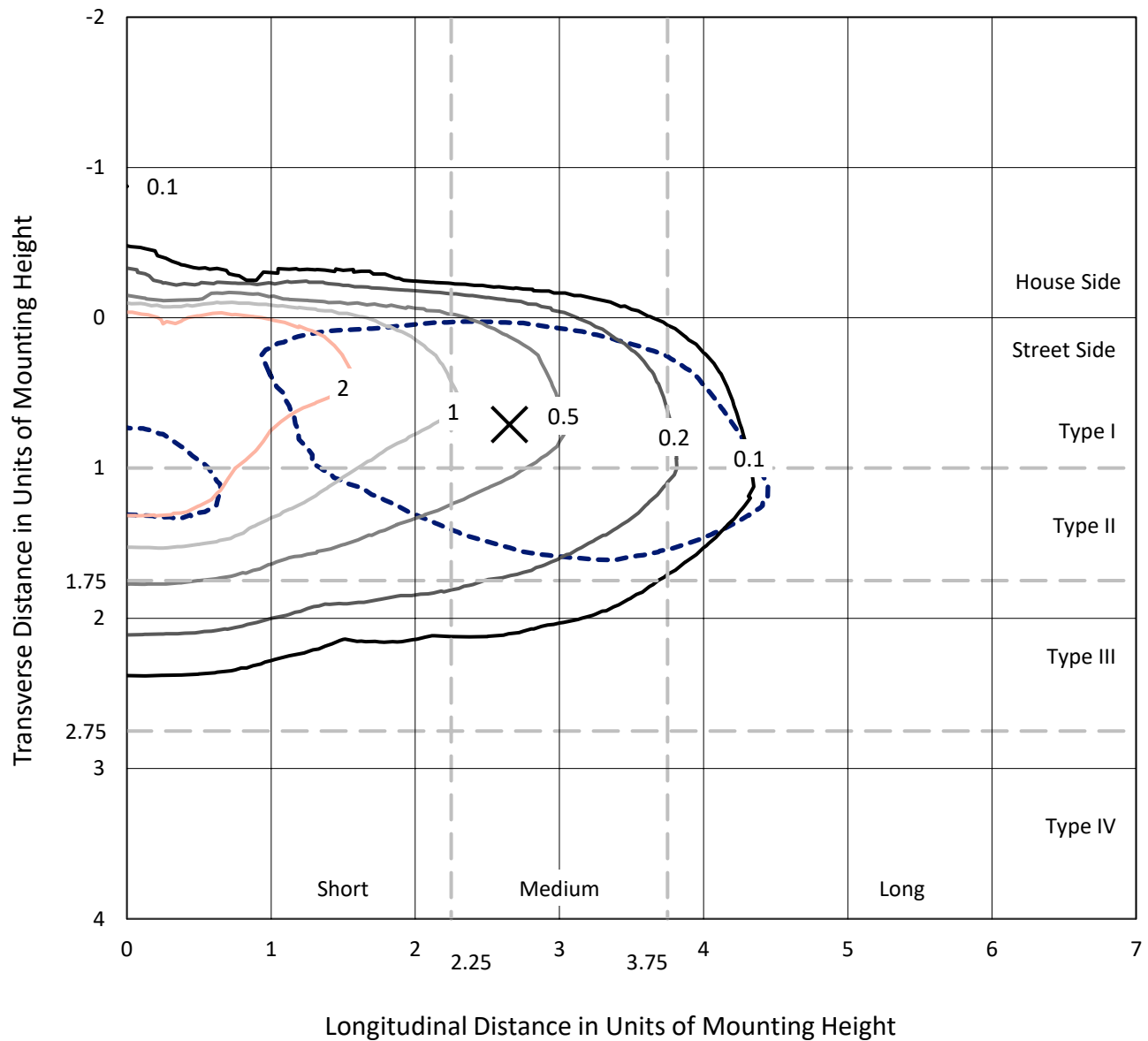


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Iso-Footcandle Lines of Horizontal Illumination

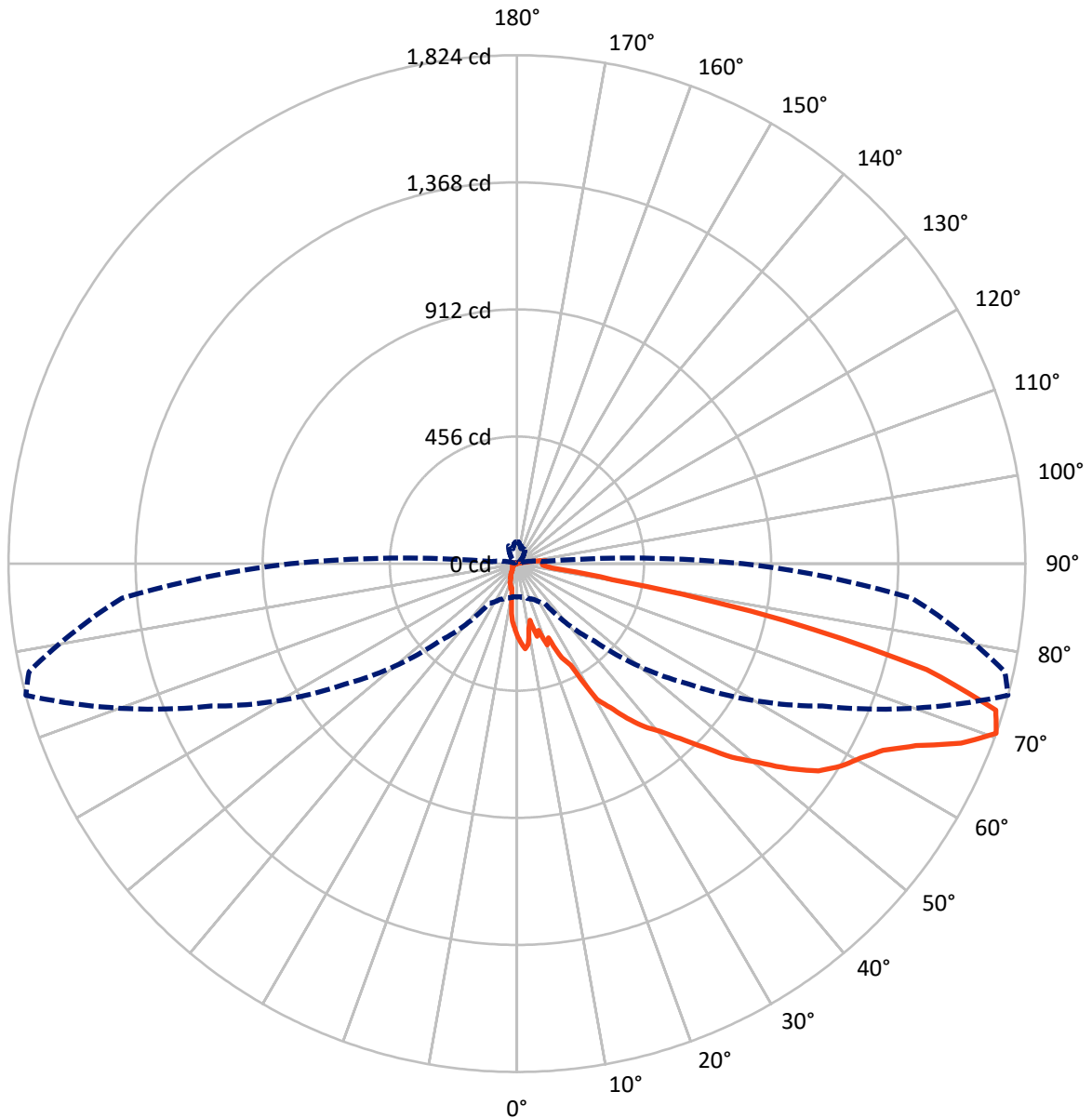
× Max cd
 --- 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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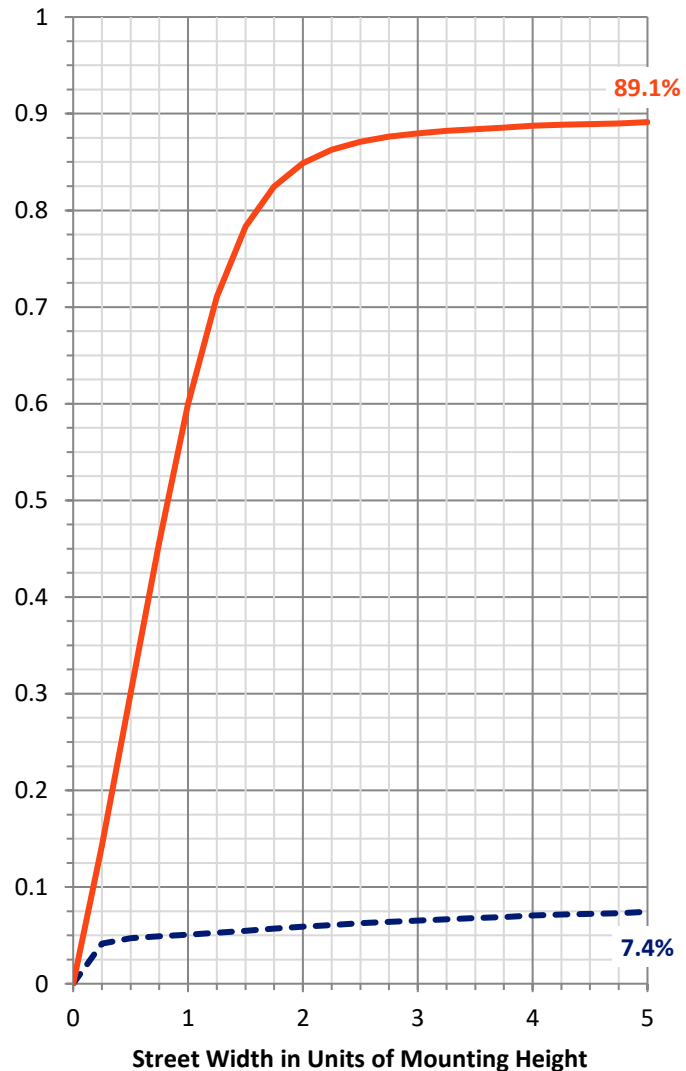
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	155.5	19.3	174.8
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	1708.9	24.3	1733.1
	% Fixture	89.6	1.3	90.8
Total	Lumens	1864.3	43.6	1907.9
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.6	1.1
10°-20°	50.3	2.6
20°-30°	94.4	4.9
30°-40°	211.9	11.1
40°-50°	348.7	18.3
50°-60°	427.5	22.4
60°-70°	400.4	21.0
70°-80°	260.7	13.7
80°-90°	49.8	2.6
90°-100°	28.6	1.5
100°-110°	6.4	0.3
110°-120°	3.3	0.2
120°-130°	2.7	0.1
130°-140°	1.3	0.1
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1864.3	97.7
0°-180°	1907.9	100.0



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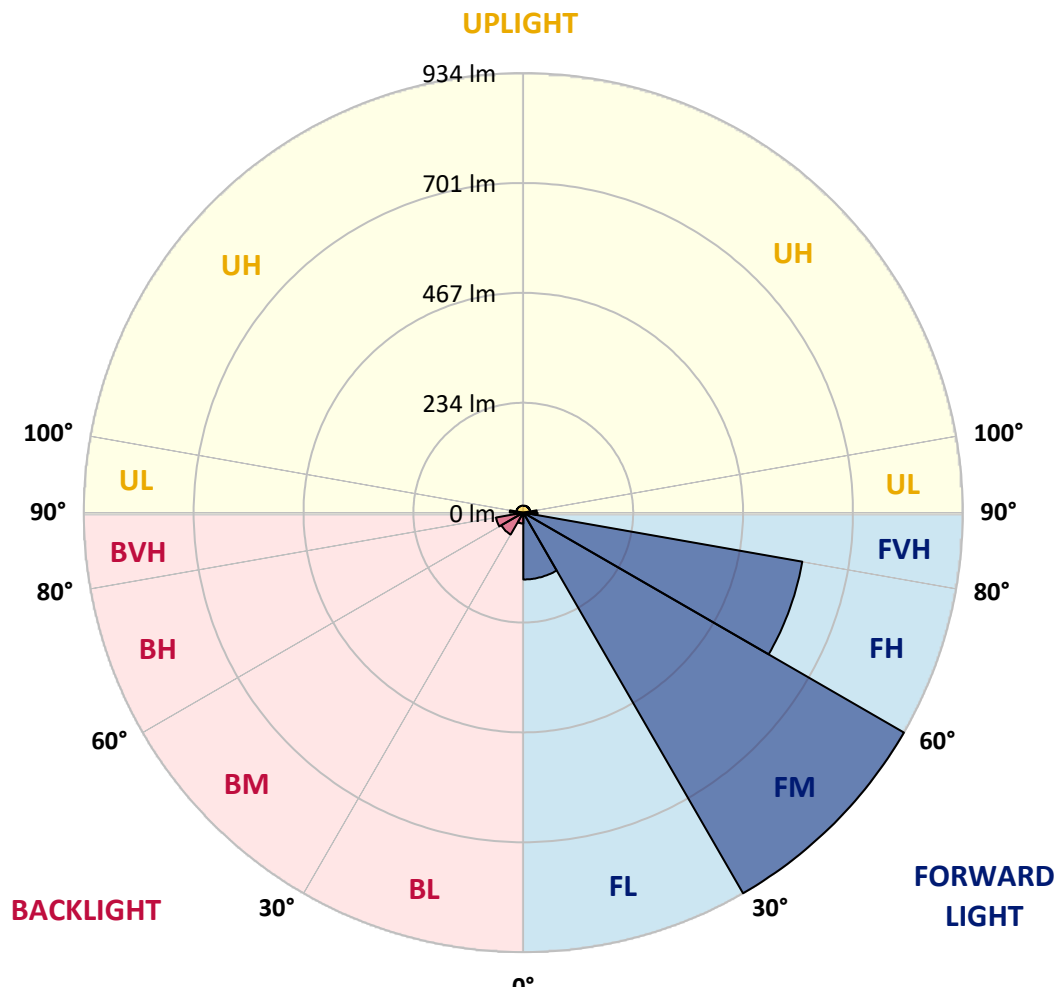
CATALOG NUMBER: SDL-PA1-20-730-U-T2R-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	142.1	7.4			
FM	(30°-60°)	934.4	49.0			
FH	(60°-80°)	602.2	31.6			G0/660
FVH	(80°-90°)	30.1	1.6			G1/100
BL	(0°-30°)	23.2	1.2	B0/110		
BM	(30°-60°)	53.7	2.8	B0/220		
BH	(60°-80°)	58.9	3.1	B0/110		G0/110
BVH	(80°-90°)	19.7	1.0			G1/100
UL	(90°-100°)	28.6	1.5		U2/50	
UH	(100°-180°)	15.0	0.8		U2/50	

BUG Rating: B0-U2-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6
2.5°	289.6	307.8	313.3	322.4	327.0	321.5	311.5	298.7	285.1	281.4	269.6
5°	328.8	325.1	322.4	322.4	316.9	305.1	294.2	327.9	306.9	302.4	278.7
7.5°	298.7	327.0	347.9	349.7	347.0	337.9	322.4	287.8	292.4	286.9	257.7
10°	361.6	362.5	358.8	361.6	336.1	323.3	273.2	252.3	235.9	257.7	231.3
12.5°	299.6	344.3	369.8	378.9	347.0	305.1	279.6	268.7	208.6	203.1	209.5
15°	366.1	367.9	370.7	361.6	281.4	319.7	259.6	239.5	270.5	263.2	258.7
17.5°	289.6	293.3	355.2	351.6	326.0	253.2	308.7	275.0	251.4	242.3	235.9
20°	368.9	369.8	368.9	279.6	304.2	340.6	290.5	281.4	311.5	307.8	291.4
22.5°	309.7	309.7	330.6	358.8	319.7	341.5	296.0	350.6	289.6	287.8	216.8
25°	428.1	428.1	413.5	316.9	362.5	321.5	351.6	315.1	374.3	361.6	325.1
27.5°	416.2	403.5	380.7	399.8	350.6	402.6	340.6	384.3	412.6	424.4	405.3
30°	578.3	578.3	553.7	428.1	410.7	388.9	393.4	459.9	565.6	567.4	490.0
32.5°	783.2	768.7	638.4	551.9	449.0	488.2	444.4	541.0	614.8	612.0	521.0
35°	867.0	862.5	822.4	677.6	520.0	534.6	500.9	572.0	681.2	663.0	558.3
37.5°	952.6	945.4	904.4	748.6	594.7	613.8	542.8	617.5	742.3	715.9	599.3
40°	1005.5	1006.4	977.2	805.1	653.9	663.9	592.9	673.0	791.4	796.9	634.8
42.5°	1061.0	1060.1	1036.4	871.6	703.1	715.9	633.0	725.9	857.9	864.3	694.9
45°	1091.1	1089.3	1075.6	917.1	742.3	751.4	694.9	790.5	939.0	937.2	744.1
47.5°	1098.4	1101.1	1100.2	961.8	783.2	786.9	750.5	837.9	1037.3	1017.3	808.7
50°	1057.4	1059.2	1072.0	997.3	813.3	816.9	794.2	891.6	1120.2	1096.5	867.0
52.5°	943.5	954.5	1008.2	975.4	826.1	839.7	835.2	932.6	1221.3	1192.2	939.0
55°	701.3	726.8	849.7	893.4	819.7	840.6	871.6	1007.3	1313.3	1277.8	997.3
57.5°	559.2	563.8	636.6	756.8	767.8	836.1	909.8	1052.8	1370.7	1335.2	1039.2
60°	441.7	449.0	496.4	592.9	670.3	808.7	920.8	1099.3	1416.2	1386.2	1085.6
62.5°	342.4	341.5	378.0	442.6	540.1	751.4	906.2	1127.5	1474.5	1451.7	1168.5
65°	238.6	238.6	269.6	321.5	408.9	648.5	877.1	1167.6	1573.8	1567.4	1271.4
67.5°	163.0	166.7	187.6	213.1	280.5	527.3	833.3	1208.6	1718.6	1688.5	1370.7
70°	119.3	119.3	127.5	141.2	174.9	393.4	755.0	1209.5	1824.2	1793.3	1422.6
72.5°	88.3	88.3	94.7	101.1	110.2	261.4	619.3	1133.0	1796.9	1747.7	1317.0
75°	46.4	46.4	71.9	74.7	73.8	169.4	457.2	930.8	1519.1	1437.2	1031.0
77.5°	36.4	37.3	41.0	58.3	53.7	111.1	255.0	572.9	981.8	881.6	558.3
80°	26.4	25.5	31.9	37.3	31.9	64.7	120.2	251.4	347.9	301.5	184.0
82.5°	15.5	16.4	19.1	27.3	27.3	45.5	78.3	110.2	124.8	123.9	110.2
85°	1.8	2.7	10.0	18.2	16.4	26.4	65.6	76.5	98.4	100.2	98.4
87.5°	1.8	1.8	2.7	3.6	4.6	17.3	55.6	66.5	91.1	97.5	98.4
90°	3.6	2.7	1.8	1.8	2.7	13.7	51.9	68.3	96.5	98.4	102.9
92.5°	4.6	3.6	1.8	0.9	2.7	10.9	49.2	68.3	100.2	106.6	111.1
95°	6.4	5.5	1.8	0.9	2.7	9.1	41.9	64.7	104.7	115.7	120.2
97.5°	8.2	7.3	1.8	1.8	2.7	7.3	32.8	51.0	69.2	78.3	84.7
100°	9.1	9.1	1.8	1.8	2.7	4.6	16.4	28.2	21.9	20.9	23.7
102.5°	10.0	10.0	1.8	1.8	1.8	2.7	5.5	11.8	4.6	4.6	7.3
105°	10.0	10.0	1.8	1.8	1.8	1.8	1.8	4.6	3.6	4.6	8.2
107.5°	9.1	10.0	1.8	2.7	2.7	1.8	1.8	1.8	3.6	5.5	8.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	6.4	4.6	0.9	2.7	1.8	1.8	0.9	1.8	4.6	6.4	9.1
115°	2.7	1.8	0.9	1.8	1.8	1.8	0.9	1.8	4.6	7.3	9.1
117.5°	1.8	0.9	0.9	0.9	0.9	1.8	0.9	2.7	6.4	8.2	10.9
120°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.7	8.2	9.1	12.8
122.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	8.2	9.1	12.8
125°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	6.4	8.2	10.9
127.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	4.6	6.4	9.1
130°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	4.6	5.5	7.3
132.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.7	3.6	5.5
135°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	3.6
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
140°	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
145°	0.9	0.9	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	0.9	0.9	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9
150°	1.8	2.7	4.6	3.6	1.8	0.9	1.8	0.9	0.9	0.9	0.9
152.5°	4.6	4.6	3.6	3.6	0.9	0.9	1.8	1.8	0.9	0.9	0.9
155°	3.6	3.6	2.7	0.9	0.9	0.9	0.9	1.8	2.7	3.6	2.7
157.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6	259.6
2.5°	260.5	251.4	231.3	215.8	199.5	190.3	173.0	158.5	147.5	145.7	145.7
5°	260.5	242.3	206.7	168.5	133.0	114.8	104.7	98.4	93.8	92.0	91.1
7.5°	233.2	209.5	162.1	117.5	102.0	85.6	73.8	64.7	56.5	53.7	51.0
10°	204.0	174.9	110.2	81.1	64.7	53.7	48.3	45.5	42.8	41.9	41.9
12.5°	181.2	151.2	88.3	66.5	45.5	38.3	36.4	34.6	33.7	32.8	31.9
15°	221.3	181.2	92.0	45.5	31.9	27.3	25.5	26.4	28.2	28.2	28.2
17.5°	204.9	159.4	76.5	34.6	26.4	20.0	21.9	23.7	25.5	22.8	21.9
20°	245.0	187.6	74.7	27.3	21.9	20.0	19.1	16.4	20.9	20.9	20.9
22.5°	177.6	142.1	56.5	25.5	18.2	17.3	14.6	16.4	17.3	14.6	14.6
25°	263.2	184.9	55.6	20.0	18.2	13.7	14.6	11.8	14.6	14.6	14.6
27.5°	326.0	218.6	49.2	20.9	15.5	13.7	10.9	11.8	10.9	10.9	10.9
30°	388.0	245.9	44.6	20.9	14.6	10.9	10.0	9.1	10.9	10.9	10.9
32.5°	406.2	239.5	35.5	21.9	13.7	10.0	8.2	9.1	9.1	10.0	10.0
35°	427.1	234.1	30.1	19.1	12.8	9.1	7.3	8.2	9.1	10.0	10.0
37.5°	447.2	225.0	27.3	17.3	10.9	8.2	6.4	7.3	19.1	20.9	20.9
40°	472.7	214.0	25.5	15.5	9.1	6.4	5.5	14.6	17.3	20.0	20.0
42.5°	509.1	207.7	23.7	14.6	8.2	5.5	5.5	12.8	24.6	27.3	27.3
45°	539.2	196.7	22.8	12.8	7.3	4.6	9.1	17.3	20.0	25.5	24.6
47.5°	576.5	186.7	21.9	11.8	6.4	4.6	10.0	18.2	25.5	29.1	29.1
50°	616.6	181.2	20.9	10.9	6.4	4.6	17.3	17.3	20.9	32.8	32.8
52.5°	667.6	177.6	19.1	9.1	5.5	9.1	23.7	20.9	25.5	33.7	33.7
55°	692.2	165.8	18.2	8.2	4.6	9.1	25.5	23.7	26.4	35.5	35.5
57.5°	714.0	153.9	16.4	8.2	4.6	11.8	27.3	30.1	25.5	31.0	34.6
60°	734.1	142.1	14.6	7.3	4.6	14.6	30.1	41.9	35.5	41.9	41.9
62.5°	780.5	133.0	12.8	8.2	3.6	16.4	39.2	51.0	40.1	51.0	50.1
65°	824.2	122.0	11.8	7.3	4.6	19.1	42.8	59.2	43.7	59.2	59.2
67.5°	841.5	108.4	10.9	7.3	4.6	21.9	42.8	65.6	51.9	66.5	67.4
70°	811.5	89.3	10.0	8.2	5.5	24.6	44.6	70.1	55.6	77.4	77.4
72.5°	689.4	61.0	10.0	9.1	10.9	27.3	52.8	72.9	58.3	92.9	93.8
75°	514.6	34.6	10.9	10.0	11.8	31.0	58.3	75.6	61.0	93.8	93.8
77.5°	293.3	23.7	10.9	11.8	14.6	31.0	61.0	78.3	60.1	92.0	90.2
80°	102.0	17.3	10.9	13.7	18.2	31.0	61.9	77.4	58.3	85.6	85.6
82.5°	69.2	14.6	10.9	13.7	21.9	32.8	61.0	72.9	51.9	71.9	69.2
85°	64.7	11.8	11.8	14.6	23.7	32.8	55.6	62.8	43.7	53.7	52.8
87.5°	63.8	10.9	13.7	15.5	25.5	30.1	47.4	51.9	35.5	43.7	42.8
90°	66.5	10.9	14.6	16.4	23.7	24.6	38.3	43.7	29.1	34.6	33.7
92.5°	71.0	10.9	15.5	18.2	20.9	18.2	31.0	34.6	24.6	26.4	25.5
95°	75.6	10.9	17.3	19.1	17.3	13.7	23.7	28.2	20.0	19.1	19.1
97.5°	50.1	8.2	18.2	19.1	14.6	10.0	18.2	21.9	11.8	10.0	10.0
100°	16.4	6.4	19.1	20.0	13.7	7.3	15.5	16.4	9.1	4.6	4.6
102.5°	7.3	6.4	17.3	17.3	11.8	5.5	10.9	11.8	6.4	1.8	1.8
105°	6.4	3.6	10.0	12.8	8.2	2.7	5.5	6.4	3.6	1.8	1.8
107.5°	7.3	3.6	5.5	7.3	3.6	2.7	2.7	2.7	1.8	1.8	1.8



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CATALOG NUMBER: SDL-PA1-20-730-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.2	3.6	2.7	3.6	2.7	2.7	1.8	1.8	3.6	6.4	6.4
115°	8.2	3.6	2.7	3.6	2.7	2.7	1.8	0.9	3.6	9.1	10.0
117.5°	9.1	4.6	1.8	2.7	1.8	1.8	1.8	0.9	4.6	11.8	11.8
120°	10.9	4.6	1.8	1.8	1.8	0.9	1.8	1.8	4.6	12.8	12.8
122.5°	10.9	5.5	1.8	1.8	1.8	0.9	0.9	1.8	5.5	11.8	12.8
125°	9.1	4.6	1.8	1.8	1.8	0.9	0.9	1.8	5.5	10.9	12.8
127.5°	7.3	4.6	1.8	1.8	1.8	0.9	0.9	1.8	5.5	9.1	10.0
130°	6.4	3.6	1.8	1.8	1.8	0.9	0.9	1.8	4.6	7.3	8.2
132.5°	4.6	2.7	1.8	1.8	1.8	0.9	0.9	0.9	4.6	7.3	7.3
135°	3.6	2.7	1.8	1.8	1.8	0.9	0.9	0.9	3.6	5.5	5.5
137.5°	1.8	0.9	1.8	1.8	1.8	0.9	0.9	0.9	2.7	2.7	2.7
140°	0.9	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	1.8	0.9
142.5°	0.9	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
145°	0.9	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150°	0.9	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
155°	1.8	1.8	0.9	1.8	0.9	0.9	0.0	0.9	0.9	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
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°	8.2	8.2	1.8	2.7	2.7	1.8	0.9	1.8	3.6	5.5	9.1
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110°	7.3	3.6	2.7	4.6	3.6	2.7	1.8	1.8	1.8	2.7	2.7
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(END OF REPORT)