

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: P560063

Luminaire Tested: **SDL-PA1-20-750-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560063
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-PA1-20-750-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 5000K, 260mA 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: 1869 lumens
Efficiency: N/A
Efficacy: 89.0 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 - U2 - G1

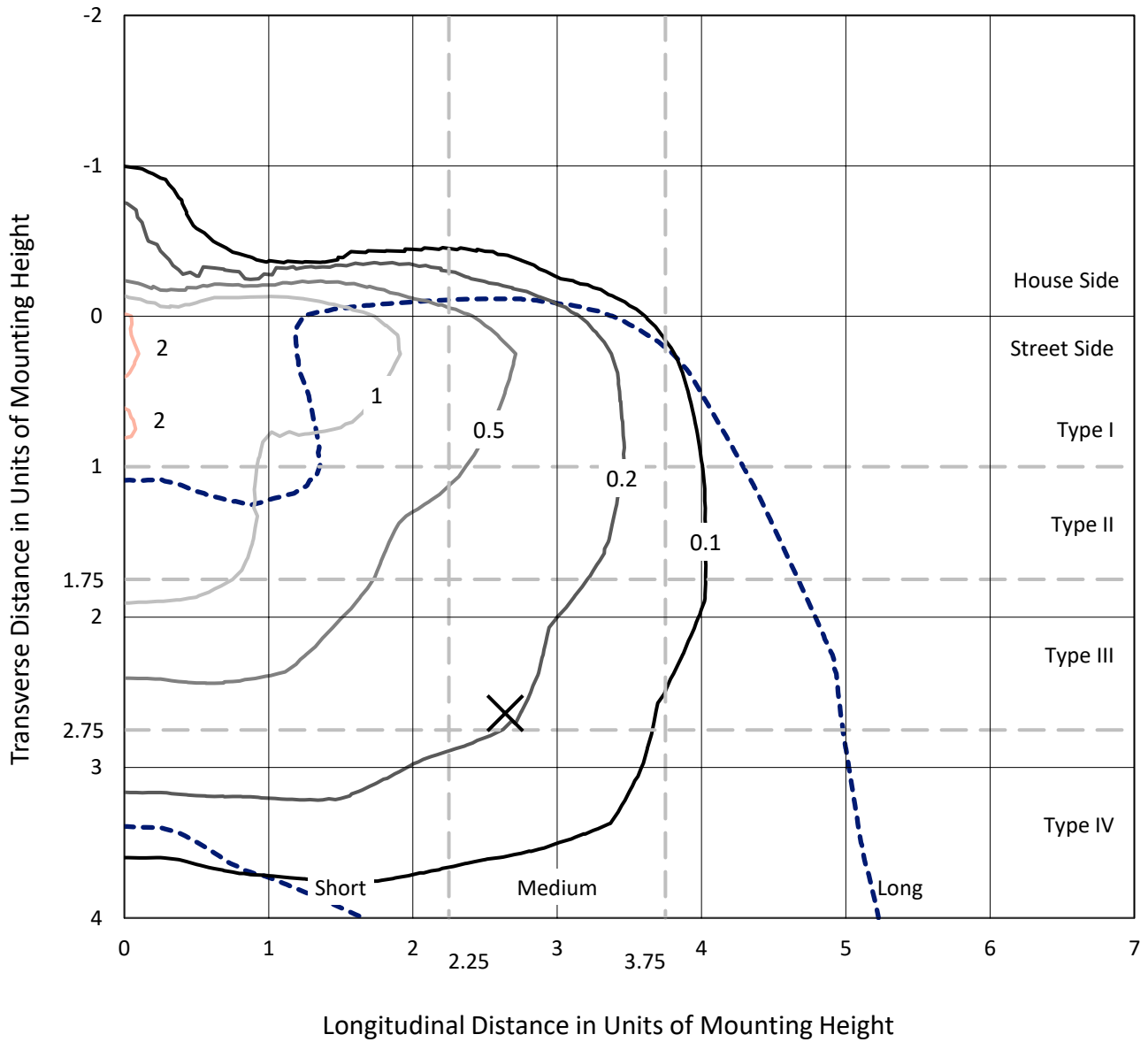
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

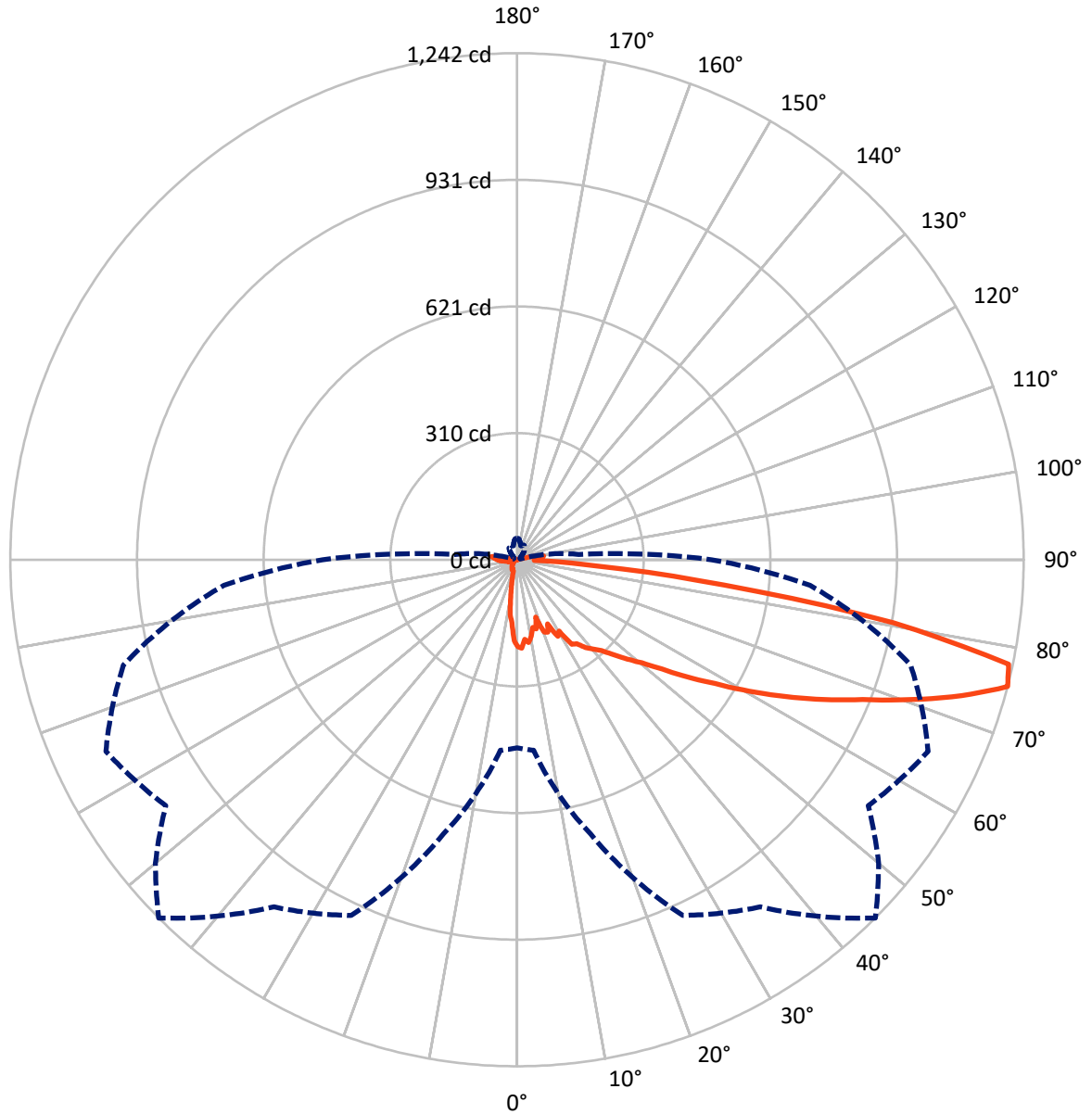
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.2 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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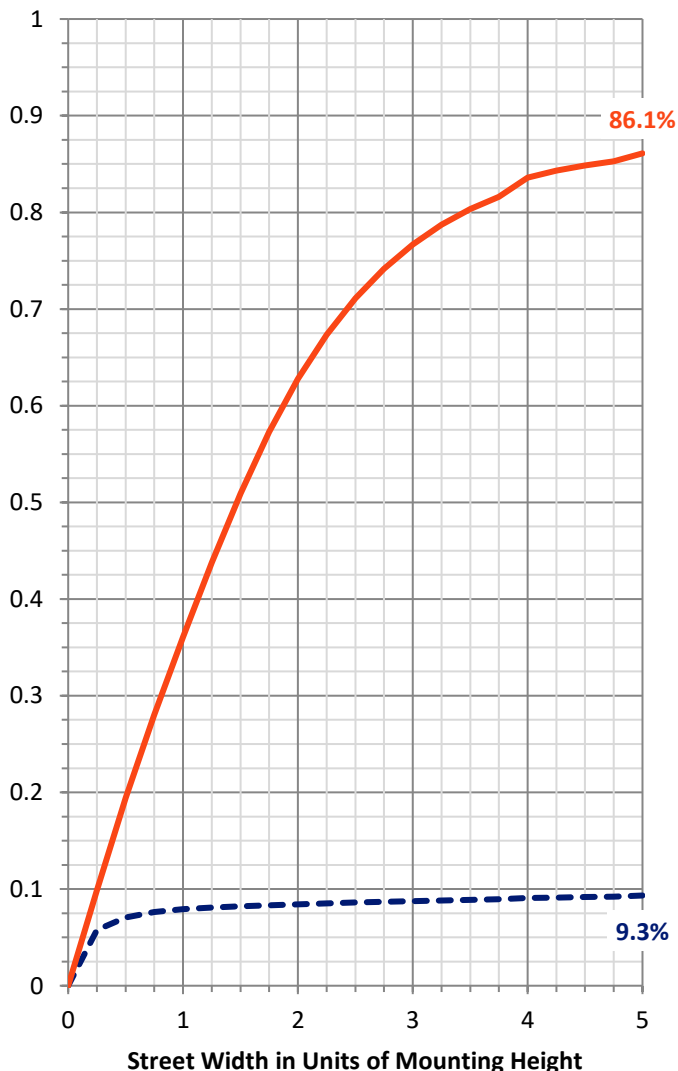
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	191.8	33.6	225.4
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	1617.7	25.9	1643.7
	% Fixture	86.6	1.4	87.9
Total	Lumens	1809.5	59.5	1869.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.5	0.9
10°-20°	35.8	1.9
20°-30°	60.0	3.2
30°-40°	111.2	6.0
40°-50°	187.5	10.0
50°-60°	336.5	18.0
60°-70°	505.3	27.0
70°-80°	462.3	24.7
80°-90°	94.5	5.1
90°-100°	45.2	2.4
100°-110°	9.6	0.5
110°-120°	1.8	0.1
120°-130°	1.4	0.1
130°-140°	0.7	0.0
140°-150°	0.3	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1809.5	96.8
0°-180°	1869.0	100.0

Coefficient of Utilization



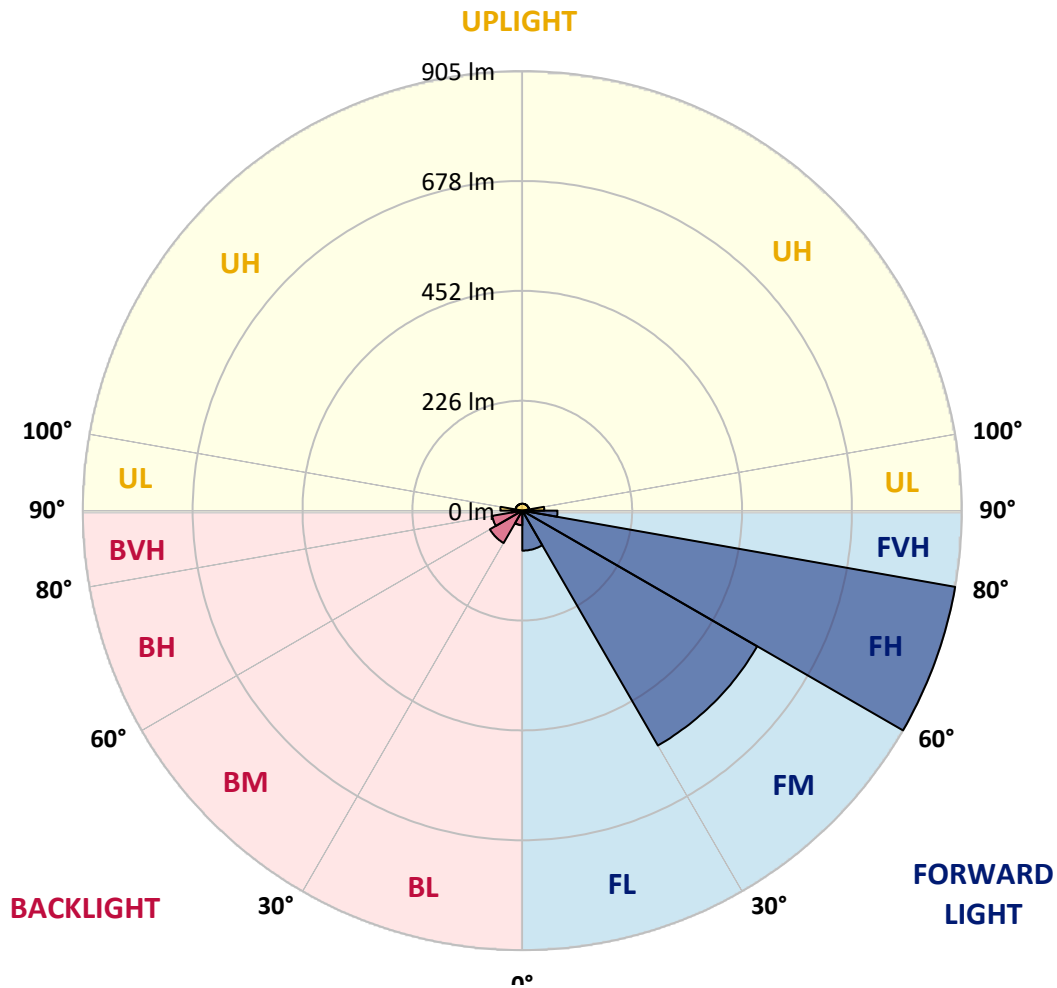
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	82.4	4.4			
FM (30°-60°)	558.2	29.9			
FH (60°-80°)	904.7	48.4			G1/1800
FVH (80°-90°)	72.5	3.9			G1/100
BL (0°-30°)	29.9	1.6	B0/110		
BM (30°-60°)	77.0	4.1	B0/220		
BH (60°-80°)	62.8	3.4	B0/110		G0/110
BVH (80°-90°)	22.0	1.2			G1/100
UL (90°-100°)	45.2	2.4		U2/50	
UH (100°-180°)	14.3	0.8		U2/50	

BUG Rating: B0-U2-G1
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	213.0	213.0	213.0	213.0	213.0	213.0	213.0	213.0	213.0	213.0	213.0
2.5°	207.0	217.0	214.0	219.0	218.0	217.0	217.0	218.0	217.0	215.0	213.0
5°	211.0	208.0	206.0	205.0	201.0	196.0	194.0	192.0	213.0	213.0	209.0
7.5°	217.0	217.0	213.0	210.0	210.0	205.0	200.0	196.0	186.0	183.0	183.0
10°	231.0	229.0	226.0	220.0	190.0	191.0	180.0	158.0	148.0	152.0	158.0
12.5°	234.0	233.0	229.0	228.0	200.0	170.0	141.0	158.0	151.0	126.0	140.0
15°	250.9	248.9	241.0	227.0	171.0	176.0	164.0	141.0	135.0	154.0	165.0
17.5°	214.0	214.0	240.0	220.0	186.0	148.0	147.0	164.0	148.0	138.0	137.0
20°	262.9	262.9	251.9	180.0	191.0	189.0	152.0	172.0	145.0	164.0	175.0
22.5°	219.0	218.0	226.0	223.0	183.0	193.0	156.0	157.0	173.0	148.0	127.0
25°	266.9	266.9	260.9	194.0	208.0	174.0	178.0	188.0	154.0	187.0	189.0
27.5°	230.0	229.0	218.0	222.0	194.0	213.0	162.0	177.0	189.0	202.0	222.0
30°	280.9	282.9	277.9	211.0	216.0	203.0	193.0	205.0	229.0	268.9	281.9
32.5°	346.9	348.9	295.9	253.9	217.0	247.0	207.0	226.0	262.9	281.9	295.9
35°	385.9	370.9	347.9	283.9	234.0	252.9	238.0	241.0	273.9	303.9	313.9
37.5°	418.9	398.9	371.9	292.9	247.0	272.9	248.0	251.9	296.9	323.9	336.9
40°	429.9	417.9	402.9	312.9	262.9	287.9	259.9	268.9	318.9	349.9	369.9
42.5°	456.9	457.9	448.9	340.9	279.9	303.9	279.9	285.9	347.9	385.9	414.9
45°	528.9	530.9	520.9	388.9	300.9	331.9	311.9	314.9	380.9	440.9	477.9
47.5°	620.9	613.9	603.9	452.9	332.9	363.9	348.9	345.9	419.9	512.9	545.9
50°	713.9	700.9	679.9	540.9	387.9	396.9	386.9	384.9	466.9	586.9	622.9
52.5°	810.8	800.8	756.8	623.9	469.9	444.9	433.9	444.9	527.9	668.9	701.9
55°	861.8	851.8	823.8	712.9	548.9	506.9	487.9	507.9	621.9	745.9	788.8
57.5°	903.8	900.8	887.8	805.8	644.9	572.9	553.9	572.9	696.9	817.8	868.8
60°	963.8	951.8	963.8	895.8	737.9	653.9	627.9	647.9	788.8	880.8	956.8
62.5°	1006.8	1003.8	1027.8	996.8	815.8	738.9	700.9	719.9	869.8	947.8	1043.8
65°	960.8	975.8	1071.8	1062.8	903.8	825.8	785.8	779.8	935.8	1019.8	1136.8
67.5°	878.8	888.8	1028.8	1096.8	980.8	913.8	865.8	837.8	996.8	1084.8	1210.8
70°	800.8	812.8	940.8	1098.8	1017.8	1026.8	959.8	907.8	1057.8	1157.8	1226.8
72.5°	738.9	749.8	864.8	1074.8	1030.8	1139.8	1062.8	981.8	1116.8	1159.8	1071.8
75°	460.9	468.9	695.9	961.8	1038.8	1241.8	1156.8	1050.8	1111.8	998.8	720.9
77.5°	142.0	145.0	297.9	634.9	902.8	1231.8	1140.8	987.8	931.8	633.9	328.9
80°	49.0	50.0	77.0	226.0	539.9	934.8	869.8	726.9	556.9	234.0	124.0
82.5°	23.0	25.0	36.0	76.0	220.0	510.9	513.9	431.9	234.0	104.0	84.0
85°	8.0	8.0	15.0	33.0	85.0	197.0	187.0	174.0	123.0	94.0	78.0
87.5°	3.0	3.0	5.0	9.0	21.0	42.0	53.0	65.0	65.0	66.0	79.0
90°	3.0	3.0	2.0	2.0	15.0	44.0	53.0	59.0	54.0	60.0	86.0
92.5°	3.0	3.0	2.0	2.0	16.0	51.0	59.0	64.0	57.0	64.0	95.0
95°	3.0	3.0	2.0	2.0	18.0	62.0	69.0	68.0	57.0	67.0	102.0
97.5°	4.0	4.0	2.0	1.0	16.0	66.0	74.0	72.0	49.0	51.0	80.0
100°	4.0	4.0	2.0	1.0	10.0	49.0	59.0	58.0	32.0	8.0	23.0
102.5°	4.0	4.0	2.0	1.0	2.0	23.0	28.0	29.0	19.0	3.0	4.0
105°	5.0	5.0	2.0	1.0	1.0	4.0	9.0	12.0	7.0	2.0	4.0
107.5°	5.0	5.0	2.0	1.0	1.0	2.0	2.0	3.0	3.0	2.0	5.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	4.0	4.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	5.0
115°	2.0	2.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	2.0	4.0
117.5°	1.0	1.0	0.0	1.0	0.0	1.0	1.0	1.0	2.0	2.0	5.0
120°	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	3.0	6.0
122.5°	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	3.0	6.0
125°	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	3.0	6.0
127.5°	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	3.0	5.0
130°	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0	4.0
132.5°	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0	3.0
135°	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	2.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
145°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	3.0	3.0	2.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
152.5°	2.0	2.0	3.0	1.0	0.0	0.0	1.0	1.0	2.0	1.0	1.0
155°	2.0	2.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	2.0
157.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	213.0	213.0	213.0	213.0	213.0	213.0	213.0	213.0	213.0	213.0	213.0
2.5°	211.0	210.0	207.0	205.0	202.0	199.0	184.0	175.0	174.0	173.0	174.0
5°	207.0	204.0	199.0	176.0	165.0	155.0	152.0	150.0	145.0	145.0	146.0
7.5°	179.0	177.0	161.0	154.0	145.0	136.0	128.0	122.0	107.0	102.0	100.0
10°	157.0	153.0	125.0	111.0	102.0	92.0	92.0	84.0	80.0	77.0	76.0
12.5°	136.0	133.0	110.0	101.0	76.0	66.0	61.0	56.0	53.0	51.0	50.0
15°	159.0	154.0	118.0	81.0	56.0	47.0	37.0	36.0	45.0	47.0	48.0
17.5°	127.0	130.0	105.0	71.0	46.0	29.0	32.0	38.0	43.0	43.0	42.0
20°	169.0	162.0	114.0	57.0	33.0	29.0	31.0	28.0	40.0	43.0	43.0
22.5°	123.0	117.0	94.0	53.0	26.0	28.0	26.0	33.0	37.0	33.0	34.0
25°	183.0	174.0	109.0	37.0	27.0	24.0	30.0	26.0	36.0	39.0	40.0
27.5°	227.0	197.0	107.0	35.0	24.0	27.0	25.0	30.0	29.0	31.0	31.0
30°	270.9	253.9	121.0	32.0	24.0	23.0	26.0	26.0	33.0	36.0	36.0
32.5°	289.9	269.9	106.0	31.0	24.0	23.0	23.0	28.0	31.0	37.0	37.0
35°	309.9	282.9	89.0	29.0	23.0	22.0	22.0	28.0	33.0	37.0	38.0
37.5°	336.9	296.9	72.0	28.0	22.0	21.0	19.0	25.0	35.0	39.0	40.0
40°	370.9	316.9	56.0	26.0	20.0	19.0	18.0	25.0	30.0	35.0	35.0
42.5°	423.9	338.9	44.0	25.0	19.0	17.0	17.0	21.0	29.0	33.0	33.0
45°	477.9	364.9	37.0	24.0	18.0	16.0	16.0	21.0	22.0	28.0	28.0
47.5°	537.9	390.9	34.0	23.0	18.0	14.0	14.0	19.0	19.0	26.0	27.0
50°	599.9	412.9	32.0	22.0	16.0	13.0	16.0	13.0	16.0	25.0	27.0
52.5°	653.9	430.9	30.0	20.0	15.0	12.0	15.0	13.0	16.0	23.0	23.0
55°	708.9	440.9	29.0	19.0	14.0	10.0	15.0	14.0	15.0	21.0	21.0
57.5°	757.8	443.9	28.0	19.0	12.0	9.0	14.0	17.0	13.0	17.0	19.0
60°	801.8	440.9	25.0	17.0	9.0	9.0	15.0	20.0	18.0	20.0	20.0
62.5°	842.8	429.9	20.0	14.0	7.0	9.0	19.0	22.0	17.0	21.0	23.0
65°	877.8	414.9	15.0	11.0	5.0	10.0	20.0	25.0	20.0	24.0	26.0
67.5°	893.8	394.9	12.0	9.0	5.0	11.0	21.0	28.0	23.0	27.0	29.0
70°	866.8	353.9	10.0	9.0	4.0	13.0	22.0	30.0	26.0	34.0	35.0
72.5°	719.9	277.9	9.0	9.0	7.0	16.0	28.0	34.0	32.0	46.0	45.0
75°	476.9	152.0	9.0	8.0	9.0	19.0	34.0	40.0	35.0	52.0	52.0
77.5°	220.0	67.0	8.0	9.0	10.0	21.0	39.0	48.0	40.0	59.0	58.0
80°	96.0	41.0	8.0	8.0	11.0	23.0	44.0	54.0	44.0	65.0	65.0
82.5°	72.0	37.0	7.0	8.0	15.0	26.0	51.0	60.0	49.0	70.0	69.0
85°	67.0	35.0	8.0	9.0	17.0	33.0	60.0	65.0	51.0	72.0	72.0
87.5°	68.0	34.0	8.0	9.0	23.0	42.0	68.0	70.0	56.0	76.0	76.0
90°	70.0	35.0	9.0	10.0	26.0	46.0	76.0	75.0	63.0	80.0	80.0
92.5°	75.0	35.0	10.0	11.0	28.0	51.0	83.0	77.0	68.0	83.0	81.0
95°	78.0	35.0	11.0	12.0	33.0	56.0	88.0	75.0	72.0	77.0	75.0
97.5°	58.0	26.0	13.0	14.0	34.0	63.0	81.0	64.0	47.0	46.0	47.0
100°	19.0	9.0	14.0	15.0	22.0	44.0	60.0	46.0	25.0	19.0	19.0
102.5°	5.0	5.0	13.0	14.0	12.0	19.0	35.0	30.0	17.0	1.0	2.0
105°	5.0	4.0	8.0	11.0	7.0	5.0	14.0	17.0	13.0	1.0	1.0
107.5°	5.0	4.0	4.0	6.0	2.0	2.0	4.0	4.0	4.0	1.0	1.0



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CATALOG NUMBER: SDL-PA1-20-750-U-T4W-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.0	4.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	3.0	4.0
115°	5.0	4.0	1.0	2.0	1.0	1.0	1.0	1.0	2.0	4.0	5.0
117.5°	5.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	5.0	6.0
120°	6.0	5.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	6.0	6.0
122.5°	6.0	5.0	1.0	1.0	1.0	1.0	0.0	1.0	3.0	6.0	6.0
125°	6.0	5.0	1.0	1.0	1.0	0.0	0.0	1.0	3.0	6.0	7.0
127.5°	5.0	4.0	1.0	1.0	1.0	0.0	0.0	1.0	2.0	5.0	6.0
130°	4.0	3.0	1.0	1.0	1.0	0.0	0.0	0.0	2.0	5.0	5.0
132.5°	3.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	2.0	4.0	4.0
135°	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	3.0	3.0
137.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0
140°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	1.0	1.0	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

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110° | 5.0 5.0 2.0 2.0 1.0 1.0 1.0 1.0 2.0 2.0 5.0

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110° | 5.0 4.0 2.0 2.0 2.0 2.0 2.0 1.0 1.0 2.0 2.0

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