

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: P560002

Luminaire Tested: **SDL-PA1-20-730-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560002
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)
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-SL3-A
Description: Springdale
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2335 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G2

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

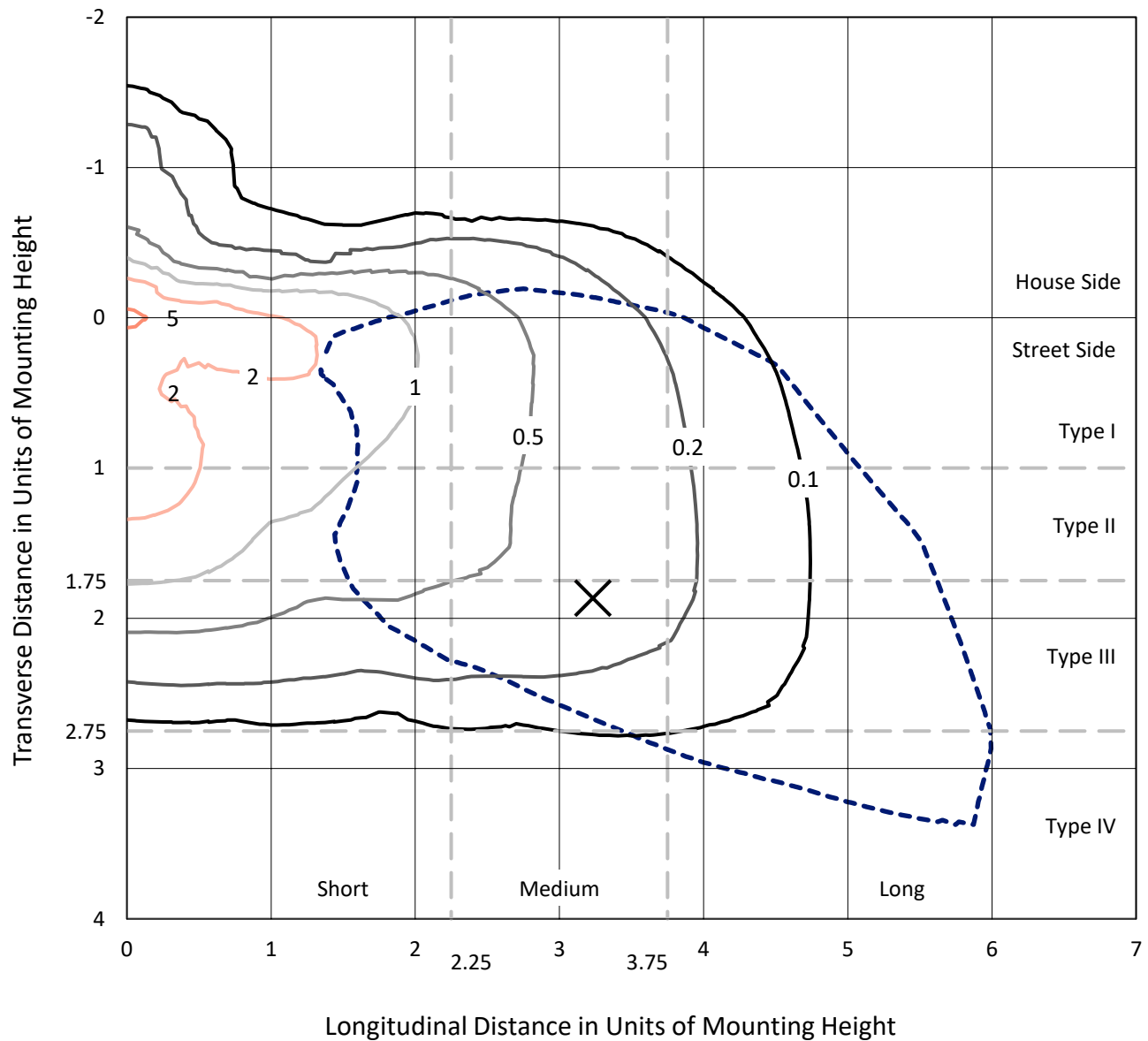


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

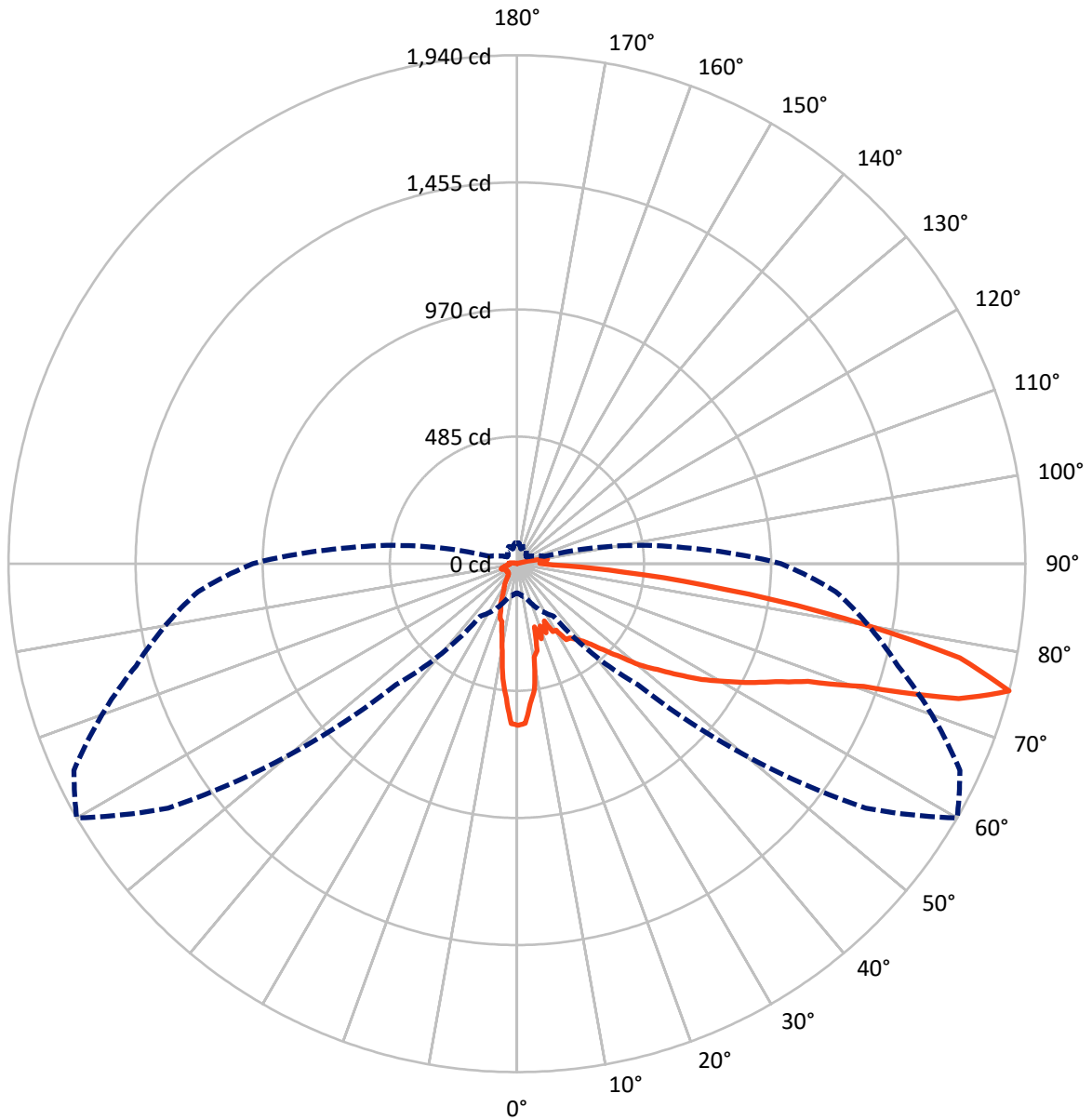


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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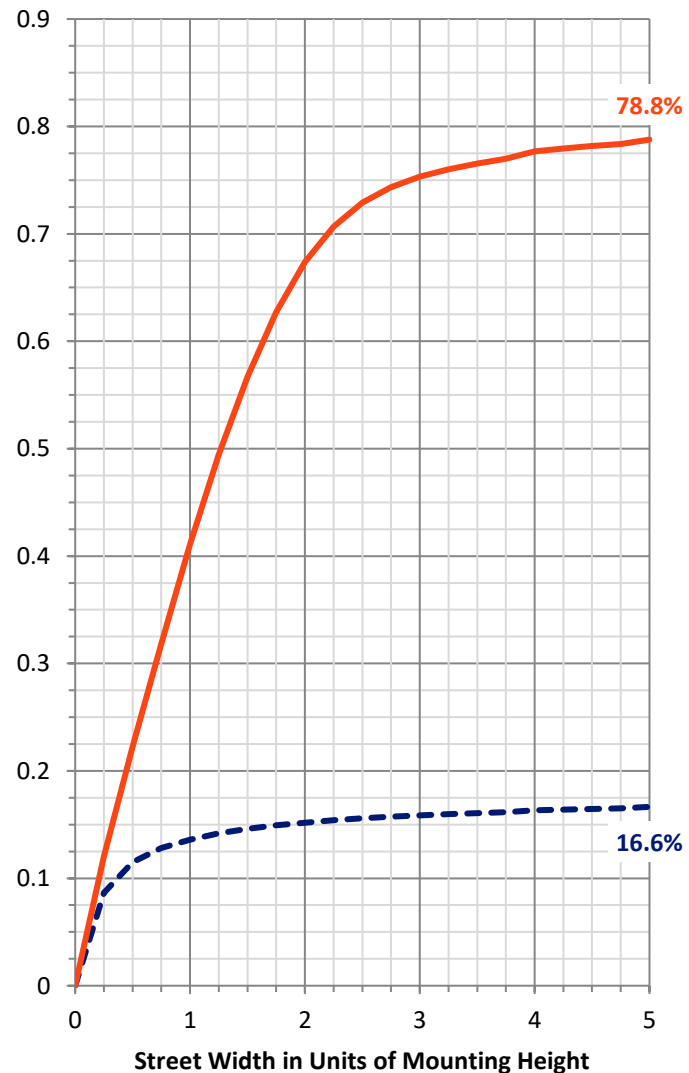
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	409.9	31.0	441.0
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	1861.2	32.8	1894.0
	% Fixture	79.7	1.4	81.1
Total	Lumens	2271.1	63.9	2335.0
	% Fixture	97.3	2.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	1.9
10°-20°	80.8	3.5
20°-30°	104.7	4.5
30°-40°	174.4	7.5
40°-50°	279.3	12.0
50°-60°	428.7	18.4
60°-70°	535.7	22.9
70°-80°	488.6	20.9
80°-90°	133.7	5.7
90°-100°	44.9	1.9
100°-110°	10.2	0.4
110°-120°	3.2	0.1
120°-130°	3.0	0.1
130°-140°	1.4	0.1
140°-150°	0.6	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2271.1	97.3
0°-180°	2335.0	100.0



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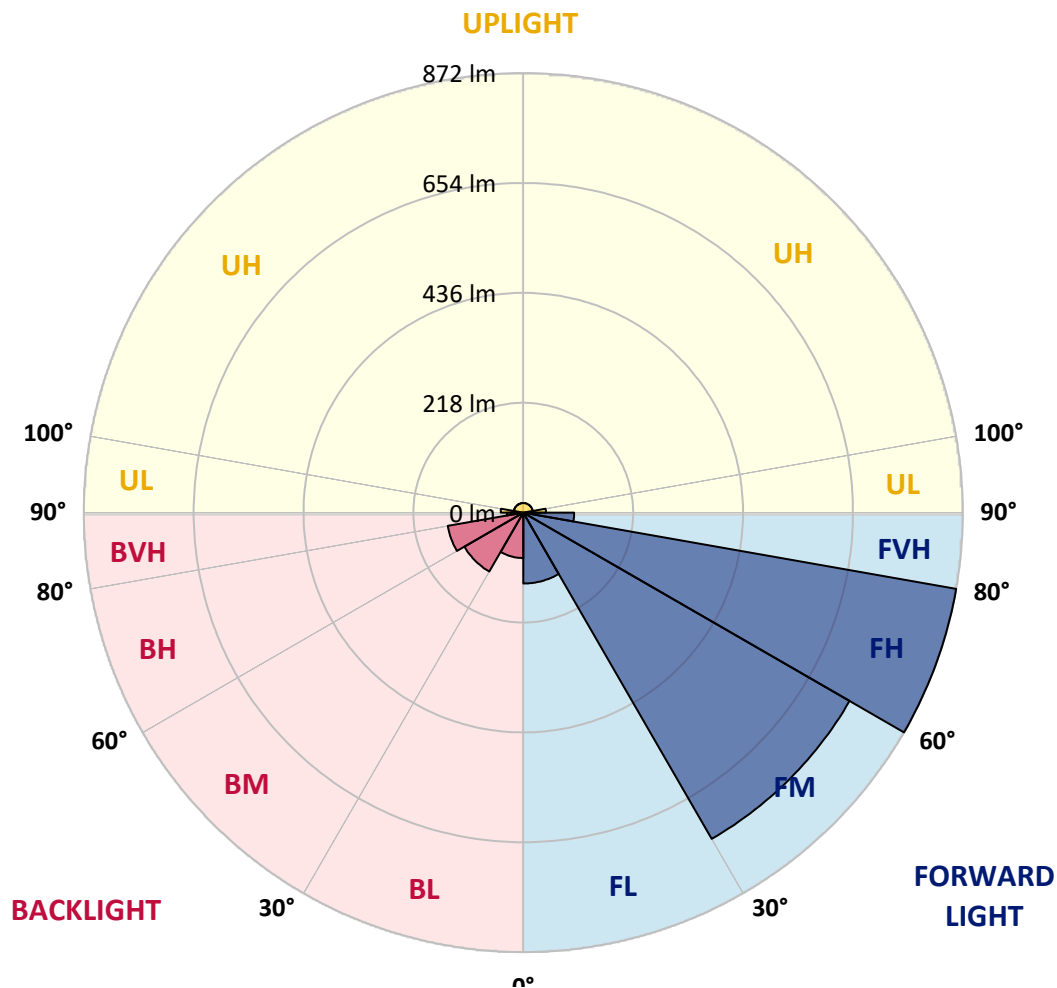
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	140.7	6.0			
FM	(30°-60°)	747.5	32.0			
FH	(60°-80°)	872.2	37.4			G1/1800
FVH	(80°-90°)	100.9	4.3			G2/225
BL	(0°-30°)	90.1	3.9	B0/110		
BM	(30°-60°)	134.9	5.8	B0/220		
BH	(60°-80°)	152.1	6.5	B1/500		G1/500
BVH	(80°-90°)	32.8	1.4			G1/100
UL	(90°-100°)	44.9	1.9		U2/50	
UH	(100°-180°)	19.0	0.8		U2/50	

BUG Rating: B1-U2-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7
2.5°	517.4	565.6	561.1	598.4	598.4	606.6	610.3	609.4	613.0	616.7	615.7
5°	476.4	477.3	480.9	489.1	491.9	494.6	503.7	535.6	589.3	602.1	602.1
7.5°	393.5	415.4	442.7	447.2	463.6	471.8	481.8	483.7	447.2	512.8	519.2
10°	399.0	399.9	398.0	408.1	396.2	391.7	359.8	361.6	365.3	389.9	439.0
12.5°	312.4	330.6	369.8	388.0	358.9	327.0	325.2	340.7	347.0	310.6	387.1
15°	357.1	358.9	359.8	360.7	267.8	310.6	271.4	249.6	279.6	352.5	400.8
17.5°	279.6	281.5	324.3	323.4	295.1	238.6	295.1	301.5	289.7	299.7	335.2
20°	327.9	328.8	326.1	253.2	258.7	292.4	254.1	253.2	267.8	345.2	389.9
22.5°	269.6	266.0	265.1	289.7	263.2	281.5	246.8	286.0	310.6	307.9	294.2
25°	337.9	337.0	323.4	252.3	269.6	238.6	288.7	242.3	268.7	372.5	389.9
27.5°	316.1	303.3	280.5	291.5	251.4	279.6	256.9	293.3	309.7	382.6	451.8
30°	409.0	399.9	373.5	294.2	277.8	257.8	275.1	294.2	352.5	492.8	516.5
32.5°	540.1	530.1	435.4	360.7	291.5	305.1	289.7	345.2	388.9	502.8	521.0
35°	580.2	566.6	520.1	437.2	334.3	324.3	308.8	348.0	394.4	529.2	529.2
37.5°	603.0	602.1	580.2	482.8	377.1	371.6	332.5	365.3	416.3	554.7	549.3
40°	606.6	611.2	621.2	522.8	428.1	416.3	363.4	388.9	447.2	585.7	574.8
42.5°	636.7	644.9	667.7	575.7	479.1	468.2	399.9	423.6	480.9	631.2	628.5
45°	685.0	693.2	713.2	634.0	523.7	516.5	459.1	473.7	535.6	711.4	685.9
47.5°	785.2	787.0	778.8	682.2	572.0	572.0	516.5	530.1	584.8	785.2	760.6
50°	885.4	874.4	838.0	739.6	620.3	634.0	575.7	607.5	640.3	859.9	826.2
52.5°	940.9	939.1	889.9	783.3	662.2	688.6	644.0	671.3	691.3	935.5	888.1
55°	942.7	940.0	906.3	804.3	701.4	745.1	712.3	747.8	762.4	994.7	972.8
57.5°	912.7	920.0	902.7	816.1	720.5	799.7	795.2	833.4	840.7	1064.8	1031.1
60°	865.3	864.4	885.4	827.1	749.6	851.7	871.7	910.9	950.0	1118.5	1083.0
62.5°	746.9	755.1	814.3	827.1	781.5	919.1	957.3	998.3	1046.6	1167.7	1129.5
65°	584.8	589.3	682.2	767.0	790.6	1009.2	1043.9	1084.8	1135.9	1217.8	1181.4
67.5°	353.4	383.5	463.6	631.2	744.2	1117.6	1181.4	1198.7	1227.9	1274.3	1257.9
70°	201.3	210.4	248.7	397.1	621.2	1152.2	1434.6	1403.6	1373.6	1384.5	1353.6
72.5°	153.0	158.5	175.8	235.0	371.6	1017.4	1647.8	1762.5	1633.2	1499.3	1350.8
75°	111.1	116.6	133.9	189.5	244.1	652.2	1625.9	1940.2	1865.5	1504.8	1221.5
77.5°	69.2	70.1	80.2	161.2	219.5	327.0	1272.5	1727.9	1760.7	1405.5	1012.9
80°	48.3	49.2	51.0	86.5	202.2	262.3	854.4	1268.8	1315.3	978.3	516.5
82.5°	34.6	36.4	38.3	51.0	131.2	250.5	531.9	798.8	704.1	354.3	209.5
85°	18.2	20.0	24.6	31.0	52.8	272.3	318.8	406.2	321.5	143.9	124.8
87.5°	7.3	6.4	5.5	8.2	14.6	104.7	123.9	136.6	105.7	81.1	99.3
90°	6.4	5.5	3.6	4.6	6.4	37.3	78.3	87.4	72.9	79.2	100.2
92.5°	6.4	5.5	3.6	3.6	6.4	37.3	93.8	95.6	75.6	81.1	104.7
95°	6.4	6.4	3.6	3.6	6.4	33.7	111.1	109.3	78.3	85.6	111.1
97.5°	6.4	6.4	2.7	3.6	6.4	22.8	114.8	118.4	76.5	61.0	92.0
100°	6.4	6.4	2.7	2.7	5.5	14.6	80.2	86.5	56.5	20.0	22.8
102.5°	6.4	6.4	2.7	2.7	3.6	10.0	35.5	42.8	33.7	6.4	7.3
105°	6.4	7.3	1.8	1.8	2.7	5.5	15.5	17.3	13.7	4.6	8.2
107.5°	7.3	8.2	1.8	1.8	1.8	2.7	5.5	6.4	3.6	3.6	8.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	6.4	5.5	0.9	1.8	1.8	1.8	1.8	1.8	1.8	3.6	9.1
115°	3.6	2.7	0.9	1.8	1.8	1.8	0.9	1.8	2.7	3.6	8.2
117.5°	3.6	2.7	0.9	0.9	0.9	1.8	0.9	0.9	2.7	4.6	10.0
120°	2.7	2.7	0.9	0.9	0.9	0.9	0.9	1.8	1.8	6.4	13.7
122.5°	2.7	2.7	0.9	0.9	0.9	0.9	0.9	1.8	1.8	6.4	13.7
125°	3.6	3.6	1.8	0.9	0.9	0.9	0.9	1.8	1.8	5.5	12.8
127.5°	2.7	2.7	1.8	0.9	0.9	0.9	0.9	1.8	1.8	4.6	10.0
130°	2.7	2.7	1.8	0.9	0.9	0.9	0.9	1.8	0.9	4.6	8.2
132.5°	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9	2.7	6.4
135°	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9	1.8	4.6
137.5°	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
140°	0.0	0.9	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	1.8	3.6	2.7	1.8	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	3.6	3.6	3.6	2.7	0.9	0.9	1.8	2.7	0.9	0.9	0.9
155°	2.7	2.7	2.7	0.9	0.9	0.9	0.9	0.9	1.8	2.7	2.7
157.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.0	0.0	0.0	0.9	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°	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7
2.5°	613.0	614.8	613.0	611.2	609.4	603.9	566.6	521.0	517.4	521.0	519.2
5°	597.5	597.5	596.6	533.8	496.4	485.5	482.8	480.0	474.6	471.8	473.7
7.5°	515.6	512.8	480.9	424.5	460.0	447.2	439.9	436.3	381.7	361.6	363.4
10°	430.8	430.8	358.0	337.9	336.1	341.6	378.9	376.2	368.9	364.3	368.9
12.5°	371.6	387.1	284.2	304.2	246.8	273.3	298.8	317.0	261.4	245.9	248.7
15°	394.4	388.9	312.4	238.6	217.7	229.5	184.0	230.4	226.8	219.5	218.6
17.5°	344.3	316.1	260.5	224.1	215.0	162.1	157.6	163.0	149.4	136.6	143.0
20°	374.4	358.9	276.0	199.5	165.8	147.6	111.1	103.8	132.1	138.5	137.5
22.5°	312.4	260.5	225.9	198.6	133.9	105.7	83.8	92.0	98.4	104.7	107.5
25°	367.1	338.8	246.8	148.5	108.4	77.4	75.6	68.3	102.9	117.5	116.6
27.5°	423.6	383.5	237.7	139.4	78.3	66.5	61.0	69.2	72.0	81.1	86.5
30°	473.7	425.4	275.1	129.3	65.6	50.1	54.7	56.5	70.1	75.6	75.6
32.5°	471.8	413.5	245.9	110.2	53.7	45.5	45.5	53.7	61.9	74.7	75.6
35°	470.9	404.4	219.5	85.6	47.4	40.1	41.9	51.0	61.9	69.2	70.1
37.5°	481.8	401.7	193.1	69.2	42.8	38.3	40.1	48.3	66.5	73.8	73.8
40°	498.2	403.5	166.7	59.2	41.0	37.3	38.3	51.0	60.1	66.5	66.5
42.5°	548.3	429.9	143.9	54.7	41.0	36.4	36.4	47.4	61.0	72.0	72.9
45°	585.7	450.9	126.6	54.7	40.1	34.6	38.3	47.4	53.7	79.2	84.7
47.5°	645.8	489.1	110.2	54.7	40.1	33.7	35.5	46.5	56.5	91.1	94.7
50°	705.9	527.4	102.9	54.7	40.1	32.8	40.1	44.6	56.5	94.7	97.5
52.5°	769.7	574.8	98.4	54.7	40.1	34.6	43.7	53.7	61.0	84.7	83.8
55°	835.3	616.7	95.6	56.5	40.1	34.6	47.4	50.1	51.9	65.6	67.4
57.5°	896.3	667.7	101.1	56.5	39.2	36.4	44.6	49.2	45.5	57.4	58.3
60°	944.6	714.1	114.8	54.7	38.3	36.4	45.5	53.7	51.0	62.8	64.7
62.5°	1000.1	763.3	146.6	55.6	38.3	37.3	51.0	58.3	51.9	61.9	65.6
65°	1073.0	838.0	182.2	61.0	39.2	39.2	51.9	62.8	51.9	61.0	61.0
67.5°	1155.0	907.2	182.2	71.0	41.9	41.9	51.9	66.5	55.6	61.0	61.0
70°	1215.1	910.9	150.3	78.3	45.5	44.6	53.7	69.2	56.5	67.4	66.5
72.5°	1148.6	811.6	124.8	77.4	49.2	46.5	61.0	71.0	57.4	76.5	75.6
75°	1008.3	669.5	108.4	69.2	44.6	47.4	63.8	72.9	58.3	80.2	78.3
77.5°	795.2	488.2	92.0	58.3	39.2	45.5	65.6	74.7	60.1	84.7	83.8
80°	385.3	245.0	74.7	49.2	35.5	43.7	65.6	73.8	59.2	87.4	87.4
82.5°	174.0	122.1	51.0	33.7	35.5	44.6	67.4	74.7	59.2	85.6	84.7
85°	112.9	83.8	32.8	26.4	35.5	51.0	68.3	71.0	56.5	79.2	79.2
87.5°	84.7	58.3	17.3	16.4	39.2	55.6	68.3	65.6	54.7	74.7	72.9
90°	86.5	61.9	18.2	16.4	41.9	56.5	68.3	64.7	52.8	67.4	67.4
92.5°	93.8	68.3	20.9	18.2	42.8	51.0	64.7	58.3	49.2	58.3	57.4
95°	102.0	76.5	24.6	20.9	37.3	37.3	51.0	47.4	41.9	44.6	44.6
97.5°	74.7	54.7	21.9	22.8	28.2	23.7	33.7	31.9	21.9	20.0	19.1
100°	21.9	18.2	20.0	21.9	20.0	17.3	25.5	24.6	14.6	7.3	7.3
102.5°	8.2	9.1	18.2	20.0	15.5	12.8	18.2	20.0	11.8	1.8	2.7
105°	7.3	6.4	12.8	15.5	9.1	7.3	9.1	12.8	7.3	1.8	1.8
107.5°	8.2	6.4	6.4	8.2	3.6	3.6	3.6	4.6	2.7	1.8	1.8



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CATALOG NUMBER: SDL-PA1-20-730-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.2	6.4	3.6	3.6	2.7	2.7	1.8	1.8	2.7	4.6	4.6
115°	9.1	7.3	3.6	2.7	1.8	2.7	1.8	0.9	2.7	6.4	6.4
117.5°	10.9	8.2	2.7	2.7	1.8	1.8	1.8	0.9	2.7	8.2	9.1
120°	13.7	10.0	3.6	1.8	1.8	1.8	1.8	0.9	3.6	9.1	10.0
122.5°	13.7	10.9	3.6	1.8	1.8	0.9	0.9	1.8	3.6	9.1	10.0
125°	12.8	10.0	3.6	1.8	1.8	0.9	0.9	0.9	4.6	9.1	10.0
127.5°	10.0	9.1	3.6	1.8	0.9	0.9	0.9	1.8	3.6	8.2	8.2
130°	8.2	7.3	2.7	1.8	0.9	0.9	0.9	0.9	3.6	6.4	7.3
132.5°	6.4	5.5	2.7	1.8	0.9	0.9	0.9	0.9	3.6	6.4	6.4
135°	4.6	4.6	1.8	0.9	0.9	0.9	0.9	0.9	2.7	4.6	5.5
137.5°	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	1.8	2.7	2.7
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	1.8	1.8
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	1.8
145°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
147.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
150°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	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	1.8	1.8
155°	2.7	2.7	2.7	1.8	0.9	0.0	0.0	0.0	0.9	0.9	1.8
157.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	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

Report Generated By 670245982



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110°	8.2	8.2	1.8	1.8	1.8	2.7	1.8	1.8	2.7	3.6	9.1
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110°	8.2	6.4	3.6	3.6	2.7	2.7	2.7	1.8	1.8	1.8	1.8
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(END OF REPORT)