

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: P560009

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560009
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)
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
Description: Springdale
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2486.3 lumens
Efficiency: N/A
Efficacy: 118.4 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: B1 - U0 - 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



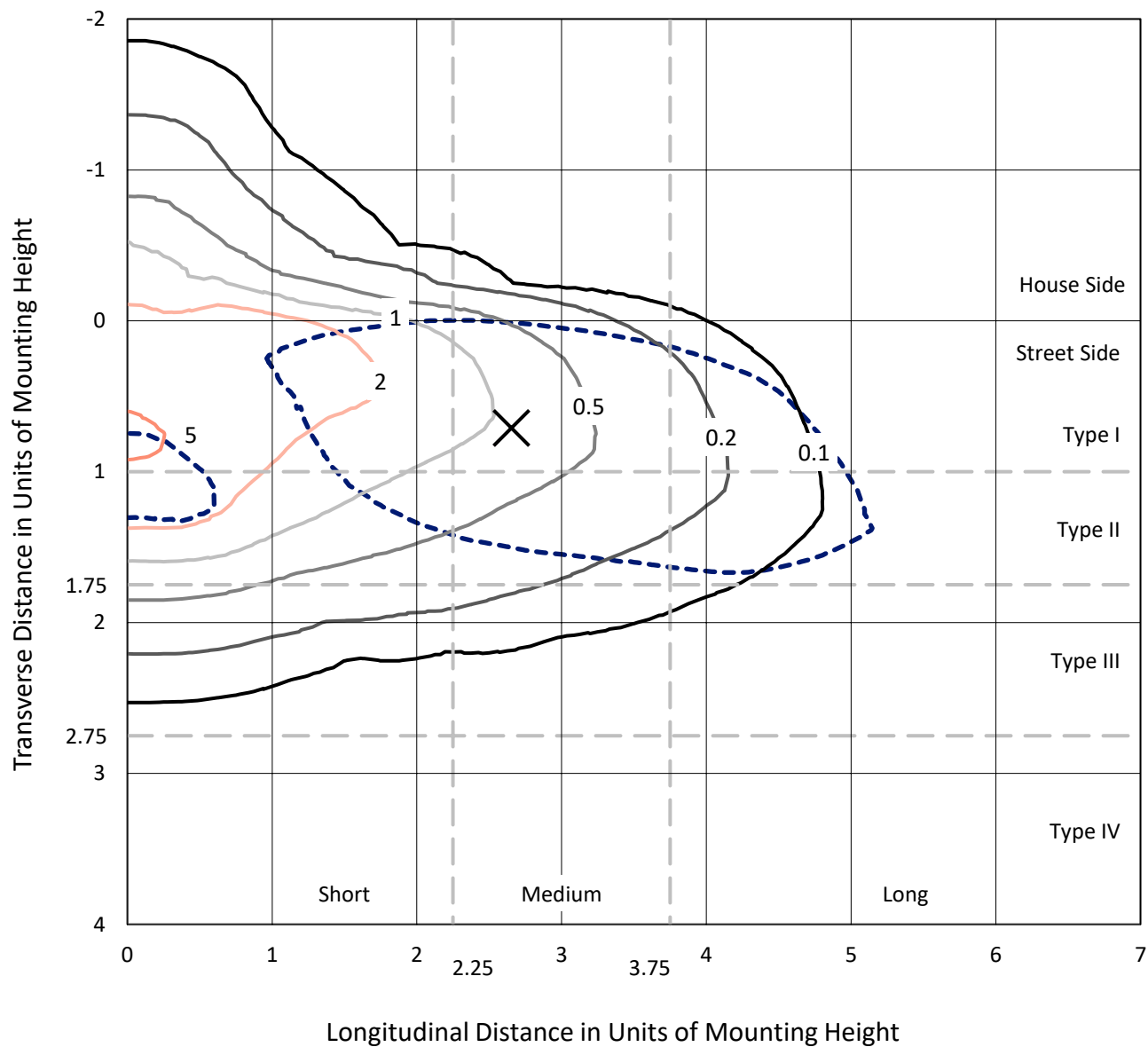
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



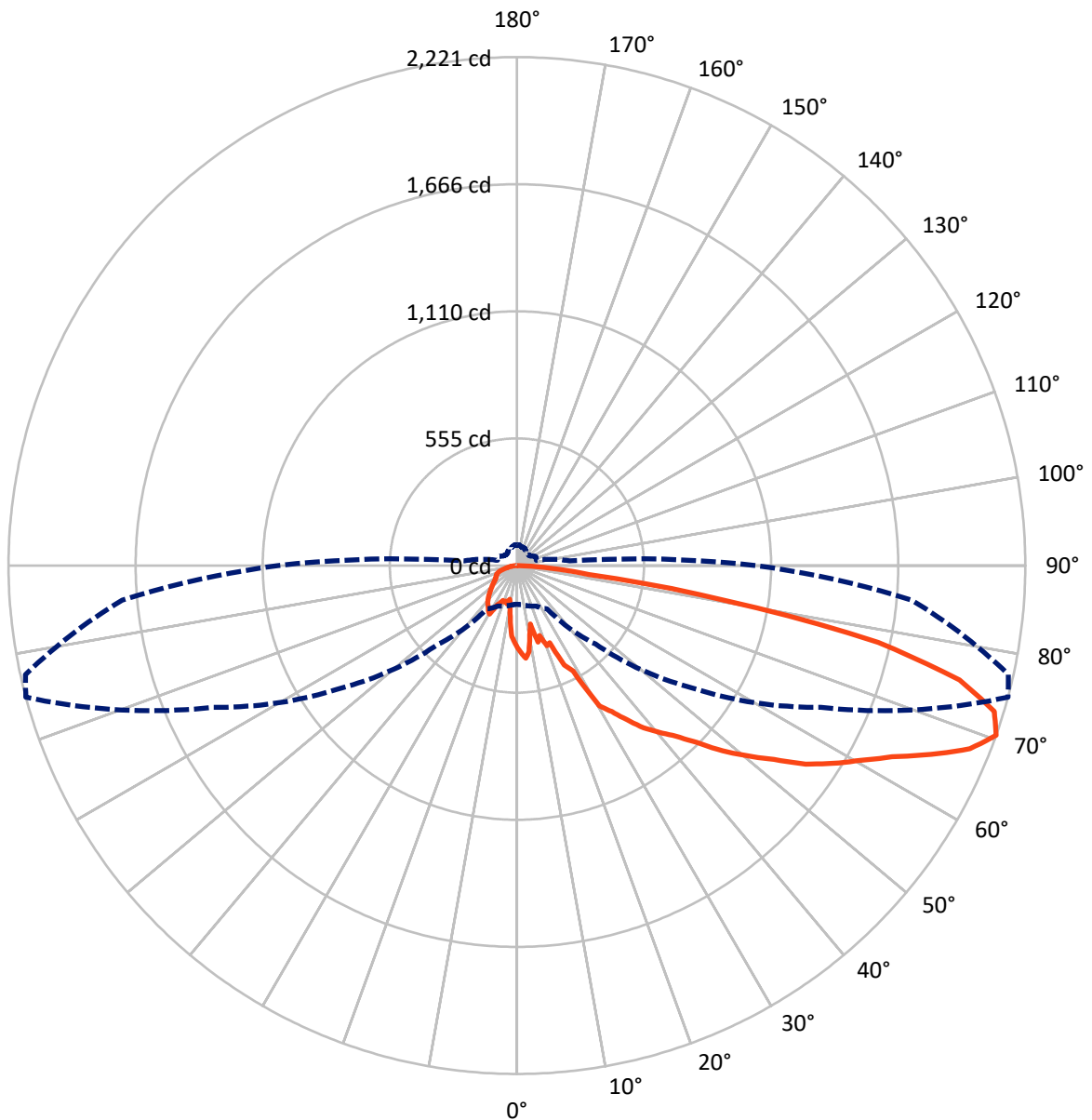
Based on 10 foot mounting height. Maximum calculated value = 5.7 fc

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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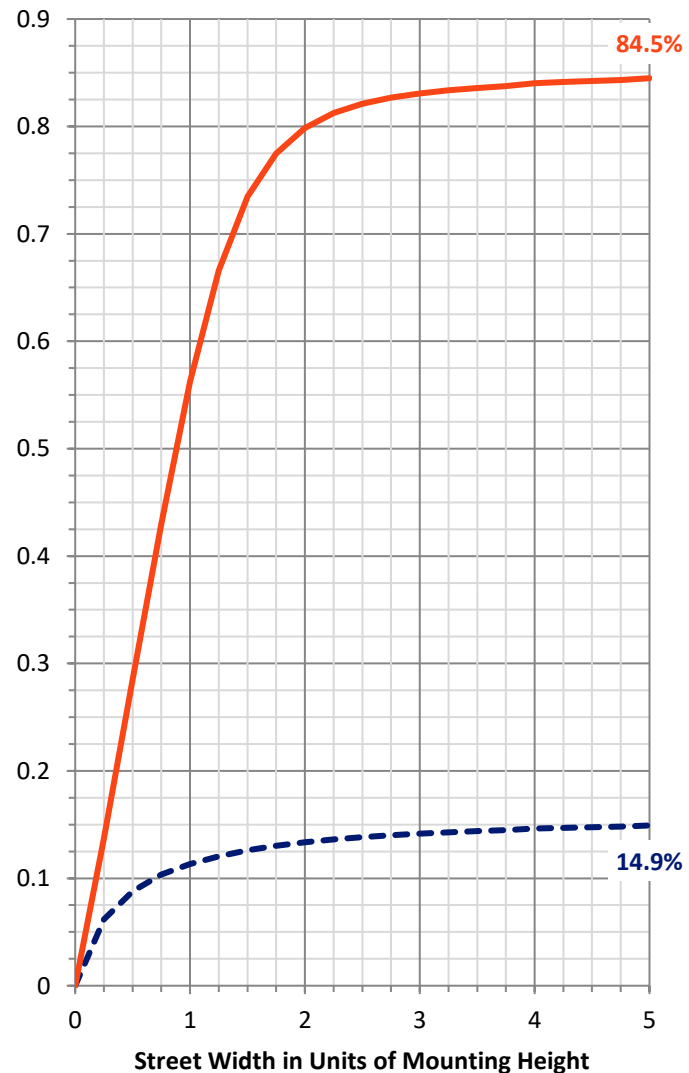
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	378.2	0.0	378.2
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	2108.0	0.0	2108.0
	% Fixture	84.8	0.0	84.8
Total	Lumens	2486.3	0.0	2486.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.7	1.2
10°-20°	79.0	3.2
20°-30°	144.4	5.8
30°-40°	293.1	11.8
40°-50°	449.9	18.1
50°-60°	542.4	21.8
60°-70°	524.5	21.1
70°-80°	363.8	14.6
80°-90°	59.4	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2486.3	100.0
0°-180°	2486.3	100.0

Coefficient of Utilization



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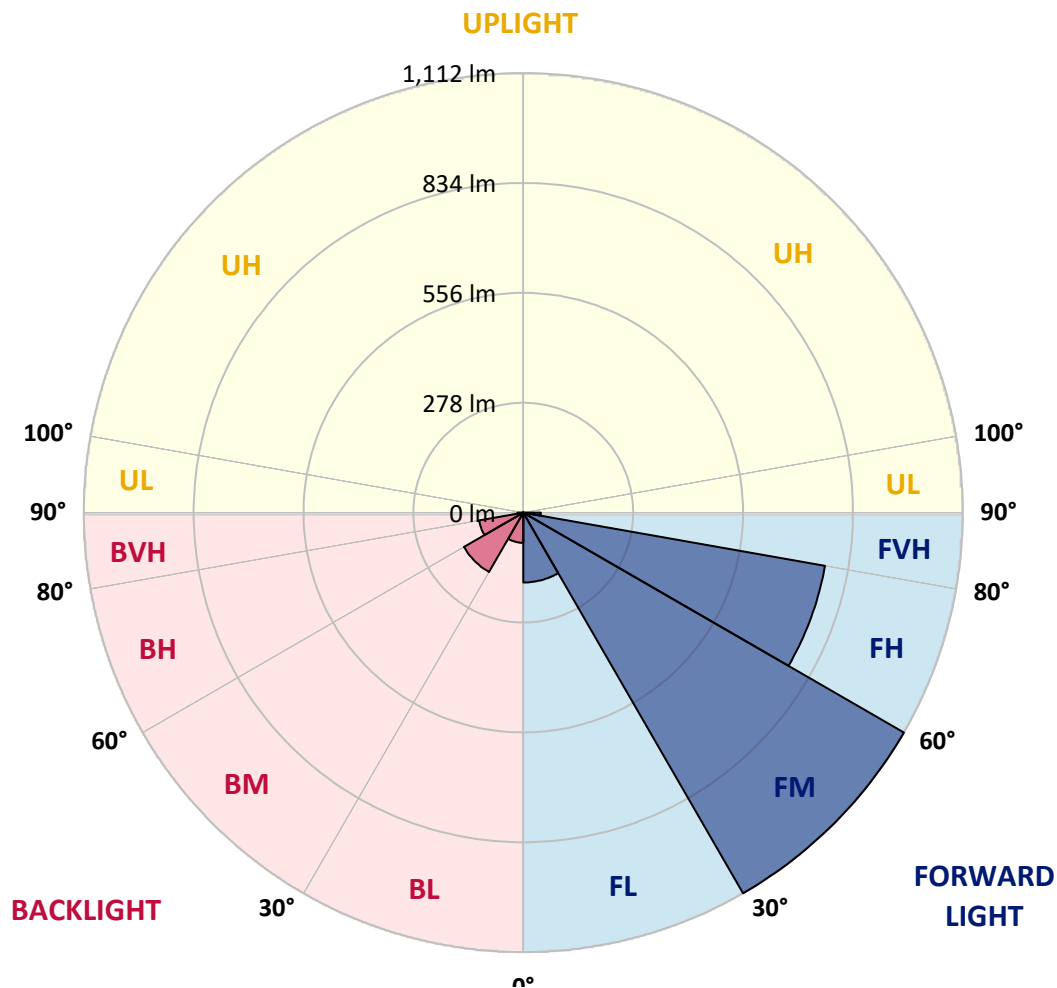
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	176.7	7.1			
FM	(30°-60°)	1111.9	44.7			
FH	(60°-80°)	774.9	31.2			G1/1800
FVH	(80°-90°)	44.5	1.8			G1/100
BL	(0°-30°)	76.4	3.1	B0/110		
BM	(30°-60°)	173.5	7.0	B0/220		
BH	(60°-80°)	113.4	4.6	B1/500		G1/500
BVH	(80°-90°)	14.9	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	359.3	359.3	359.3	359.3	359.3	359.3	359.3	359.3	359.3	359.3	359.3
2.5°	373.0	408.7	391.3	411.4	421.5	415.1	409.6	395.9	384.0	379.4	367.5
5°	411.4	410.5	405.9	404.1	395.9	385.8	377.6	423.3	406.9	398.6	377.6
7.5°	364.8	395.9	418.7	430.6	430.6	418.7	405.9	350.2	378.5	371.2	341.0
10°	458.0	458.0	457.1	458.0	375.8	395.9	340.1	316.3	306.3	330.1	306.3
12.5°	389.5	423.3	461.7	475.4	437.9	373.9	348.3	334.6	262.4	256.9	271.5
15°	458.0	460.8	464.4	408.7	347.4	396.8	303.5	300.8	347.4	339.2	342.9
17.5°	367.5	371.2	450.7	440.7	404.1	300.8	378.5	338.3	320.9	309.9	309.0
20°	463.5	465.4	464.4	348.3	373.0	409.6	392.2	298.1	373.9	378.5	383.1
22.5°	392.2	393.1	397.7	443.4	377.6	427.0	353.8	444.3	366.6	377.6	285.3
25°	527.5	527.5	511.1	399.5	457.1	389.5	430.6	382.2	480.9	468.1	428.8
27.5°	491.9	488.2	469.0	494.6	412.3	492.8	426.0	480.0	522.0	503.8	520.2
30°	691.2	695.8	671.1	513.8	501.9	472.7	491.0	568.7	710.4	700.3	625.4
32.5°	925.2	882.3	769.8	665.6	548.6	576.9	548.6	671.1	760.7	762.5	661.9
35°	1038.6	1035.0	986.5	785.4	630.8	630.8	615.3	700.3	825.6	813.7	701.2
37.5°	1129.1	1123.6	1089.8	887.8	704.9	701.2	651.0	745.1	899.6	869.5	744.2
40°	1205.9	1198.6	1169.4	959.1	785.4	768.0	694.8	796.3	957.2	960.0	785.4
42.5°	1257.1	1254.4	1233.4	1024.0	852.1	821.0	753.4	862.2	1018.5	1034.0	836.6
45°	1297.3	1296.4	1278.1	1095.3	899.6	869.5	815.5	911.5	1102.6	1111.8	891.4
47.5°	1301.9	1305.6	1305.6	1131.0	932.6	912.4	879.5	955.4	1209.6	1190.4	955.4
50°	1254.4	1258.0	1280.9	1190.4	960.9	948.1	934.4	1008.4	1307.4	1279.1	1023.1
52.5°	1132.8	1141.0	1203.2	1161.1	975.5	974.6	985.6	1077.0	1407.1	1376.9	1112.7
55°	871.3	876.8	1031.3	1075.2	971.0	981.0	1024.0	1162.0	1530.5	1504.0	1206.8
57.5°	665.6	681.1	778.0	912.4	920.7	975.5	1048.7	1221.5	1630.1	1603.6	1293.7
60°	535.8	546.7	603.4	721.4	812.8	951.8	1082.5	1295.5	1727.1	1714.3	1386.9
62.5°	419.7	427.0	466.3	544.0	660.1	896.0	1103.5	1376.0	1838.6	1832.2	1508.5
65°	300.8	308.1	342.9	394.1	510.2	790.8	1093.5	1452.8	1988.5	1982.1	1626.5
67.5°	219.4	221.3	244.1	278.9	362.1	640.0	1044.1	1501.2	2134.8	2122.0	1717.0
70°	169.1	171.0	181.9	194.7	231.3	484.6	928.9	1464.7	2220.8	2198.8	1730.7
72.5°	137.1	137.1	141.7	148.1	158.2	316.3	729.6	1321.1	2180.5	2137.6	1616.4
75°	115.2	115.2	117.9	116.1	110.6	197.5	507.4	1103.5	1996.8	1942.8	1407.1
77.5°	96.9	96.0	96.0	96.9	85.9	134.4	309.9	850.3	1613.7	1561.6	1043.2
80°	79.5	79.5	79.5	79.5	70.4	96.0	184.7	564.1	927.1	809.1	478.2
82.5°	58.5	59.4	62.2	62.2	58.5	70.4	96.0	235.9	317.3	280.7	169.1
85°	27.4	28.3	36.6	38.4	37.5	34.7	50.3	106.1	148.1	134.4	39.3
87.5°	0.9	0.9	3.7	8.2	7.3	5.5	10.1	14.6	5.5	6.4	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	359.3	359.3	359.3	359.3	359.3	359.3	359.3	359.3	359.3	359.3	359.3
2.5°	359.3	351.1	331.9	315.4	298.1	286.2	259.7	240.5	230.4	228.6	231.3
5°	361.1	342.9	304.5	256.0	219.4	210.3	206.6	205.7	204.8	204.8	204.8
7.5°	318.2	294.4	236.8	201.1	206.6	206.6	206.6	203.9	187.4	180.1	180.1
10°	280.7	249.6	176.5	162.7	163.7	171.9	193.8	216.7	221.3	222.2	223.1
12.5°	243.2	213.0	149.9	158.2	142.6	169.1	200.2	223.1	201.1	190.2	190.2
15°	306.3	263.3	173.7	139.0	140.8	169.1	152.7	206.6	221.3	222.2	223.1
17.5°	276.1	232.2	161.8	146.3	154.5	128.9	174.6	195.7	180.1	178.3	176.5
20°	335.5	276.1	169.1	145.4	144.5	156.3	148.1	148.1	201.1	201.1	201.1
22.5°	248.7	204.8	164.6	163.7	138.1	154.5	147.2	164.6	158.2	155.4	155.4
25°	364.8	288.9	180.1	143.5	148.1	136.2	151.8	135.3	167.3	169.1	169.1
27.5°	437.9	339.2	195.7	159.1	136.2	146.3	125.3	136.2	128.9	129.8	129.8
30°	522.0	397.7	243.2	166.4	139.9	120.7	124.3	117.9	139.9	137.1	136.2
32.5°	544.9	401.4	234.1	176.5	136.2	121.6	112.5	121.6	129.8	141.7	141.7
35°	571.4	405.0	221.3	168.2	133.5	113.4	111.5	121.6	131.7	128.0	128.0
37.5°	596.1	407.8	211.2	158.2	122.5	110.6	110.6	112.5	122.5	117.0	117.0
40°	624.4	408.7	199.3	147.2	113.4	108.8	102.4	104.2	105.1	101.5	100.6
42.5°	656.4	407.8	185.6	137.1	105.1	101.5	96.9	96.9	99.7	98.7	97.8
45°	691.2	406.9	171.0	125.3	96.0	91.4	88.7	99.7	104.2	104.2	102.4
47.5°	733.2	406.9	157.3	111.5	89.6	82.3	80.5	92.3	101.5	103.3	105.1
50°	781.7	405.0	144.5	101.5	83.2	76.8	79.5	91.4	98.7	101.5	100.6
52.5°	844.8	401.4	133.5	93.3	78.6	70.4	75.0	88.7	97.8	98.7	97.8
55°	899.6	388.6	122.5	89.6	75.0	66.7	72.2	87.8	96.0	96.0	96.0
57.5°	946.3	370.3	113.4	86.9	74.1	65.8	71.3	86.9	92.3	95.1	95.1
60°	1003.0	347.4	107.0	85.9	73.1	64.9	70.4	85.9	90.5	94.2	94.2
62.5°	1061.5	328.2	103.3	85.9	70.4	65.8	70.4	85.9	89.6	94.2	93.3
65°	1109.0	303.5	99.7	87.8	69.5	65.8	70.4	85.9	88.7	93.3	93.3
67.5°	1106.3	269.7	95.1	92.3	70.4	66.7	70.4	85.0	86.9	93.3	91.4
70°	1044.1	230.4	87.8	91.4	73.1	66.7	69.5	82.3	83.2	91.4	88.7
72.5°	931.6	186.5	77.7	85.9	73.1	67.7	67.7	78.6	78.6	87.8	82.3
75°	779.9	143.5	64.0	75.9	69.5	69.5	64.0	74.1	72.2	77.7	72.2
77.5°	581.5	108.8	49.4	63.1	63.1	68.6	61.3	68.6	65.8	66.7	64.0
80°	242.3	65.8	37.5	49.4	53.9	66.7	58.5	62.2	55.8	55.8	53.9
82.5°	100.6	42.1	25.6	31.1	36.6	59.4	55.8	53.0	45.7	42.1	39.3
85°	36.6	22.9	17.4	21.0	23.8	41.1	40.2	33.8	26.5	29.3	23.8
87.5°	2.7	3.7	3.7	4.6	4.6	5.5	9.1	9.1	5.5	4.6	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	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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CATALOG NUMBER: SDL-PA1-20-730-U-T2R

CANDELA DISTRIBUTION (continued):

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

Report Generated By 670245982



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110°	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°	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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(END OF REPORT)