

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: P560053

Luminaire Tested: **SDL-PA1-20-750-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560053
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-PA1-20-750-U-T2R
Description: Springdale
(1) 70 CRI, 5000K, 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: 2730 lumens
Efficiency: N/A
Efficacy: 130.0 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



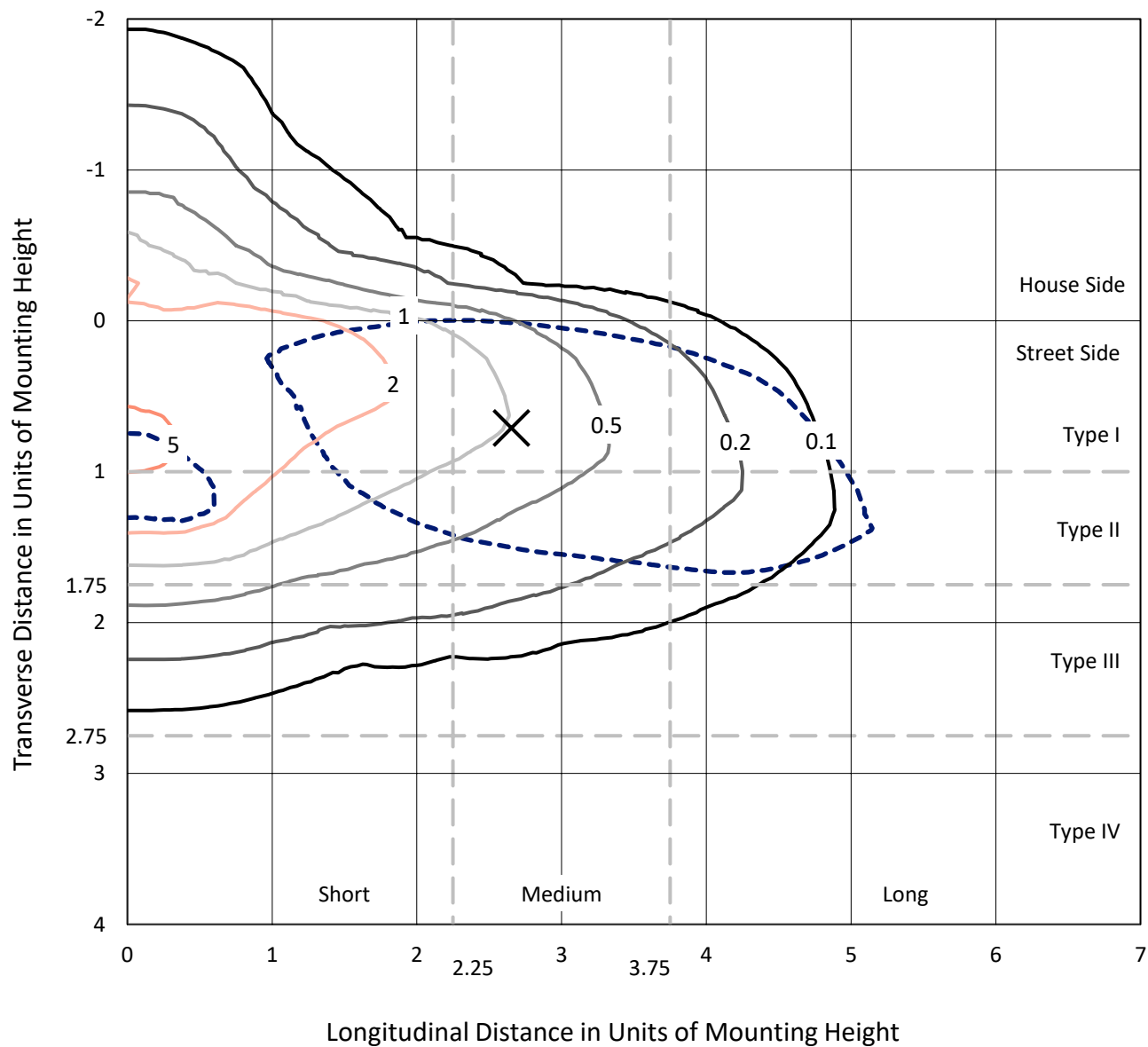
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



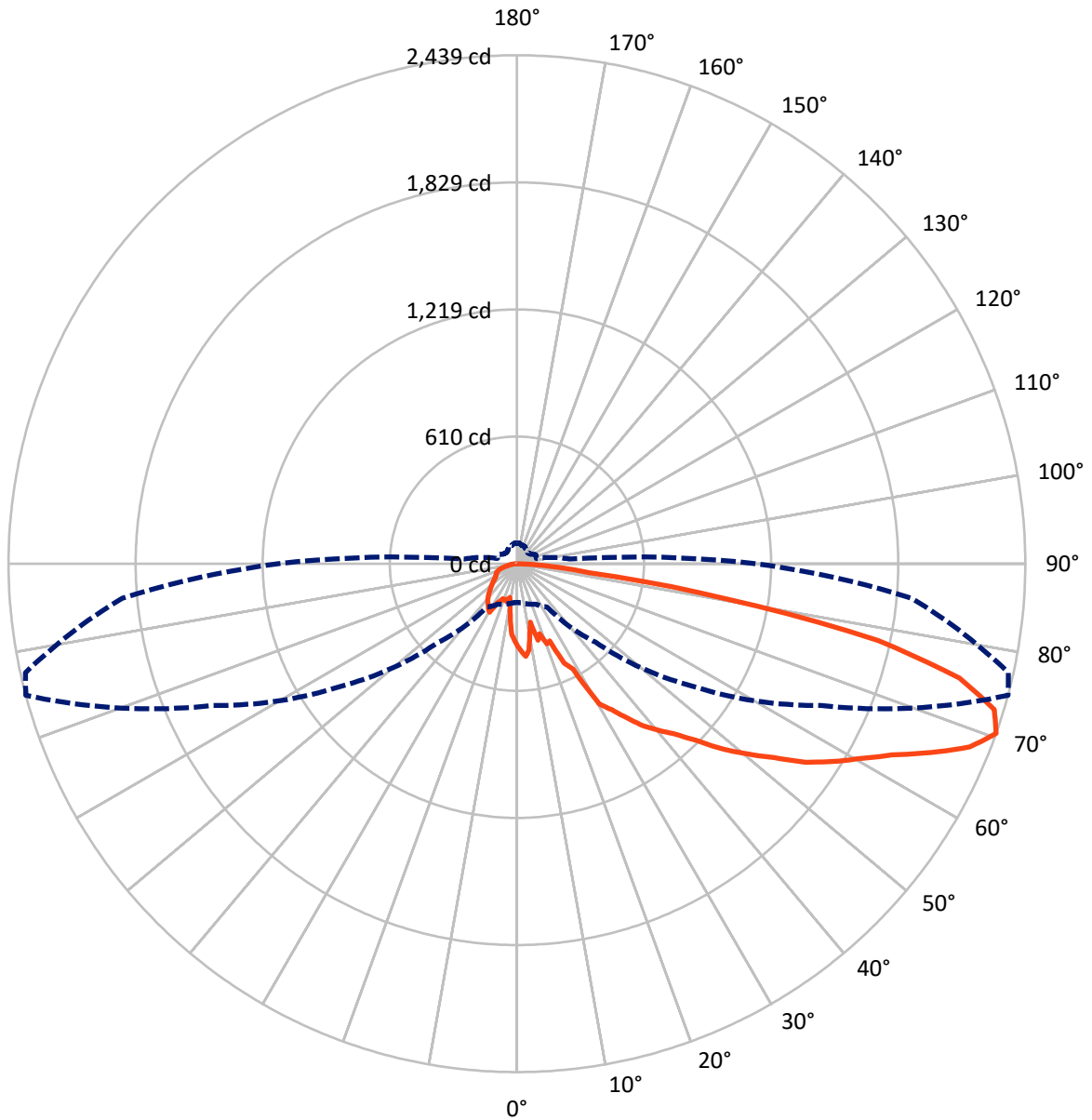
Based on 10 foot mounting height. Maximum calculated value = 6.2 fc

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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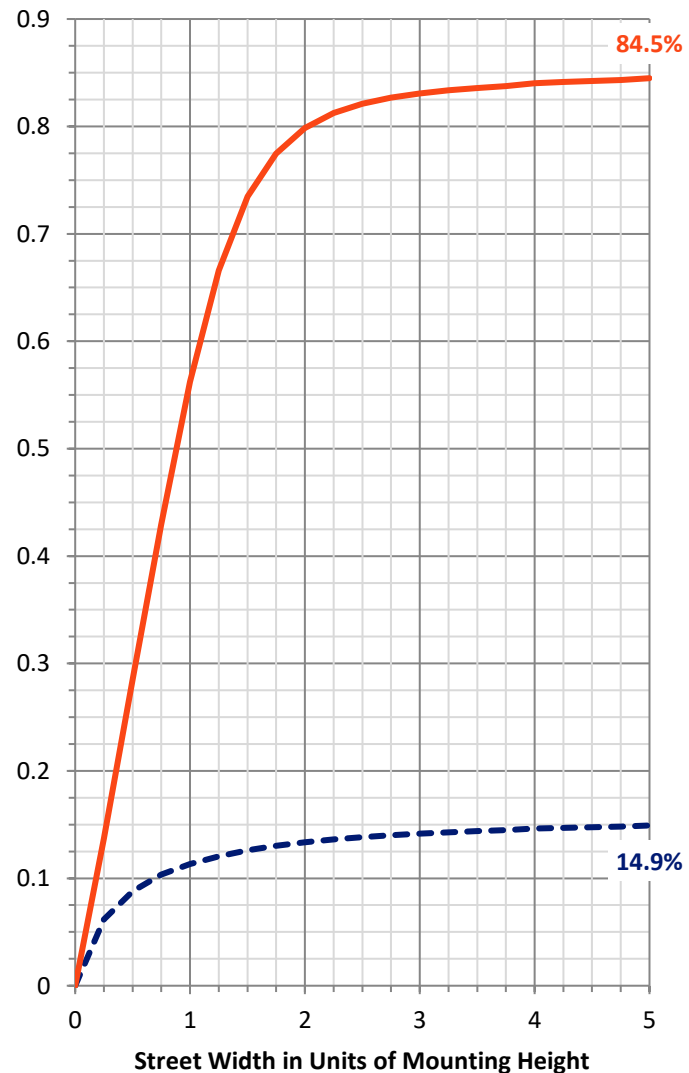
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	415.3	0.0	415.3
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	2314.7	0.0	2314.7
	% Fixture	84.8	0.0	84.8
Total	Lumens	2730.0	0.0	2730.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	1.2
10°-20°	86.7	3.2
20°-30°	158.6	5.8
30°-40°	321.9	11.8
40°-50°	494.0	18.1
50°-60°	595.5	21.8
60°-70°	575.9	21.1
70°-80°	399.5	14.6
80°-90°	65.2	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°	2730.0	100.0
0°-180°	2730.0	100.0

Coefficient of Utilization



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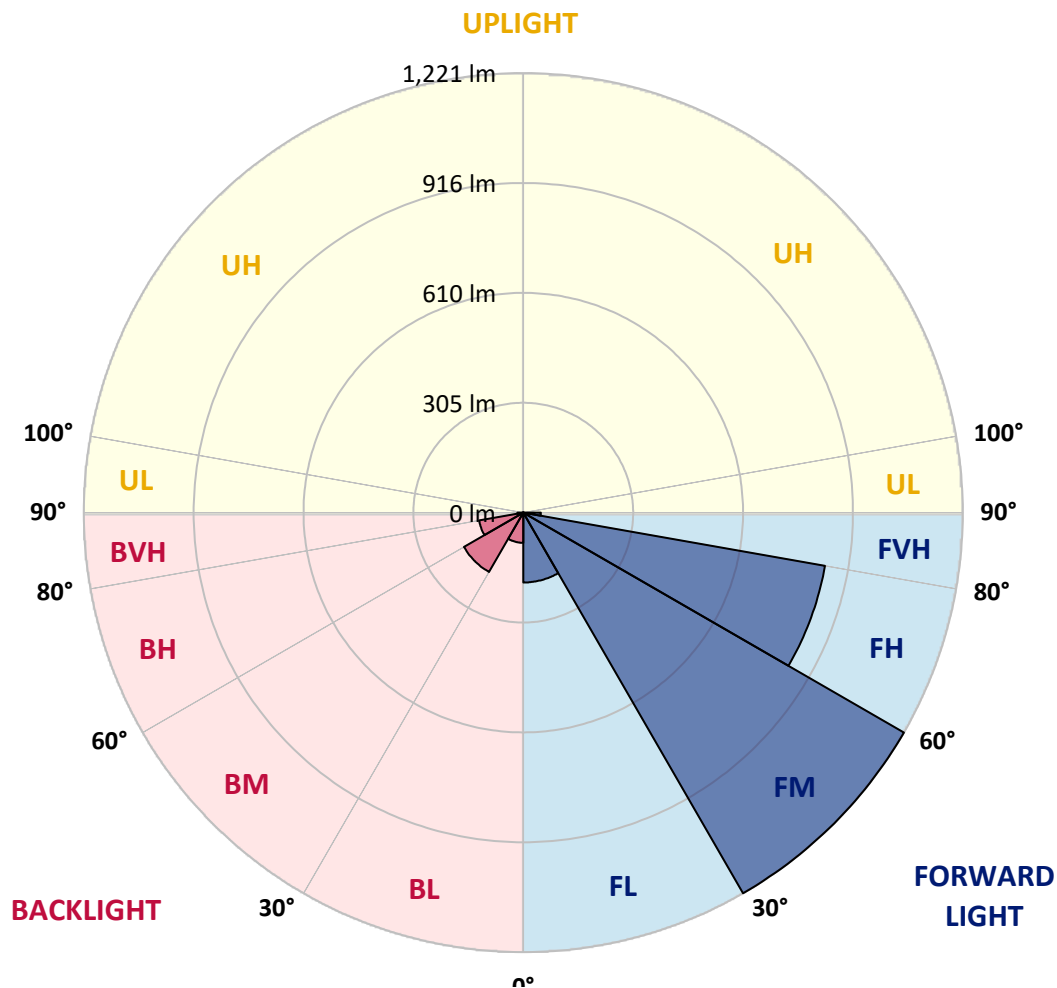
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	194.1	7.1			
FM	(30°-60°)	1220.9	44.7			
FH	(60°-80°)	850.9	31.2			G1/1800
FVH	(80°-90°)	48.9	1.8			G1/100
BL	(0°-30°)	83.8	3.1	B0/110		
BM	(30°-60°)	190.5	7.0	B0/220		
BH	(60°-80°)	124.6	4.6	B1/500		G1/500
BVH	(80°-90°)	16.4	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°	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5
2.5°	409.6	448.7	429.7	451.8	462.8	455.8	449.7	434.7	421.6	416.6	403.6
5°	451.8	450.8	445.7	443.7	434.7	423.6	414.6	464.8	446.7	437.7	414.6
7.5°	400.6	434.7	459.8	472.8	472.8	459.8	445.7	384.5	415.6	407.6	374.5
10°	503.0	503.0	502.0	503.0	412.6	434.7	373.5	347.4	336.3	362.4	336.3
12.5°	427.7	464.8	507.0	522.0	480.9	410.6	382.5	367.4	288.1	282.1	298.2
15°	503.0	506.0	510.0	448.7	381.5	435.7	333.3	330.3	381.5	372.4	376.5
17.5°	403.6	407.6	494.9	483.9	443.7	330.3	415.6	371.4	352.4	340.3	339.3
20°	509.0	511.0	510.0	382.5	409.6	449.7	430.7	327.3	410.6	415.6	420.6
22.5°	430.7	431.7	436.7	486.9	414.6	468.8	388.5	487.9	402.6	414.6	313.2
25°	579.3	579.3	561.2	438.7	502.0	427.7	472.8	419.6	528.1	514.0	470.8
27.5°	540.1	536.1	515.0	543.1	452.8	541.1	467.8	527.0	573.2	553.2	571.2
30°	759.0	764.0	736.9	564.2	551.1	519.0	539.1	624.4	780.0	769.0	686.7
32.5°	1016.0	968.8	845.3	730.8	602.3	633.5	602.3	736.9	835.2	837.3	726.8
35°	1140.4	1136.4	1083.2	862.4	692.7	692.7	675.6	769.0	906.5	893.5	770.0
37.5°	1239.8	1233.8	1196.7	974.8	774.0	770.0	714.8	818.2	987.8	954.7	817.2
40°	1324.2	1316.1	1284.0	1053.1	862.4	843.3	763.0	874.4	1051.1	1054.1	862.4
42.5°	1380.4	1377.4	1354.3	1124.4	935.6	901.5	827.2	946.7	1118.3	1135.4	918.6
45°	1424.5	1423.5	1403.5	1202.7	987.8	954.7	895.5	1000.9	1210.7	1220.7	978.8
47.5°	1429.6	1433.6	1433.6	1241.8	1024.0	1001.9	965.8	1049.1	1328.2	1307.1	1049.1
50°	1377.4	1381.4	1406.5	1307.1	1055.1	1041.0	1026.0	1107.3	1435.6	1404.5	1123.4
52.5°	1243.8	1252.9	1321.1	1275.0	1071.2	1070.2	1082.2	1182.6	1545.0	1511.9	1221.8
55°	956.7	962.7	1132.4	1180.6	1066.1	1077.2	1124.4	1276.0	1680.5	1651.4	1325.2
57.5°	730.8	747.9	854.3	1001.9	1010.9	1071.2	1151.5	1341.2	1790.0	1760.8	1420.5
60°	588.3	600.3	662.6	792.1	892.5	1045.1	1188.6	1422.5	1896.4	1882.3	1522.9
62.5°	460.8	468.8	512.0	597.3	724.8	983.8	1211.7	1510.9	2018.9	2011.8	1656.4
65°	330.3	338.3	376.5	432.7	560.2	868.4	1200.7	1595.2	2183.5	2176.5	1785.9
67.5°	240.9	242.9	268.0	306.2	397.5	702.7	1146.5	1648.4	2344.1	2330.1	1885.3
70°	185.7	187.7	199.8	213.8	254.0	532.1	1020.0	1608.3	2438.5	2414.4	1900.4
72.5°	150.6	150.6	155.6	162.6	173.7	347.4	801.1	1450.6	2394.3	2347.1	1774.9
75°	126.5	126.5	129.5	127.5	121.5	216.8	557.2	1211.7	2192.5	2133.3	1545.0
77.5°	106.4	105.4	105.4	106.4	94.4	147.6	340.3	933.6	1771.9	1714.7	1145.5
80°	87.3	87.3	87.3	87.3	77.3	105.4	202.8	619.4	1018.0	888.5	525.0
82.5°	64.2	65.3	68.3	68.3	64.2	77.3	105.4	259.0	348.4	308.2	185.7
85°	30.1	31.1	40.2	42.2	41.2	38.1	55.2	116.5	162.6	147.6	43.2
87.5°	1.0	1.0	4.0	9.0	8.0	6.0	11.0	16.1	6.0	7.0	5.0
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°	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5	394.5
2.5°	394.5	385.5	364.4	346.3	327.3	314.2	285.1	264.0	253.0	251.0	254.0
5°	396.5	376.5	334.3	281.1	240.9	230.9	226.9	225.9	224.9	224.9	224.9
7.5°	349.4	323.3	260.0	220.9	226.9	226.9	226.9	223.9	205.8	197.8	197.8
10°	308.2	274.1	193.8	178.7	179.7	188.7	212.8	237.9	242.9	243.9	245.0
12.5°	267.0	233.9	164.6	173.7	156.6	185.7	219.9	245.0	220.9	208.8	208.8
15°	336.3	289.1	190.7	152.6	154.6	185.7	167.7	226.9	242.9	243.9	245.0
17.5°	303.2	255.0	177.7	160.6	169.7	141.6	191.7	214.8	197.8	195.8	193.8
20°	368.4	303.2	185.7	159.6	158.6	171.7	162.6	162.6	220.9	220.9	220.9
22.5°	273.1	224.9	180.7	179.7	151.6	169.7	161.6	180.7	173.7	170.7	170.7
25°	400.6	317.2	197.8	157.6	162.6	149.6	166.6	148.6	183.7	185.7	185.7
27.5°	480.9	372.4	214.8	174.7	149.6	160.6	137.5	149.6	141.6	142.6	142.6
30°	573.2	436.7	267.0	182.7	153.6	132.5	136.5	129.5	153.6	150.6	149.6
32.5°	598.3	440.7	257.0	193.8	149.6	133.5	123.5	133.5	142.6	155.6	155.6
35°	627.4	444.7	242.9	184.7	146.6	124.5	122.5	133.5	144.6	140.5	140.5
37.5°	654.5	447.7	231.9	173.7	134.5	121.5	121.5	123.5	134.5	128.5	128.5
40°	685.7	448.7	218.9	161.6	124.5	119.5	112.4	114.4	115.4	111.4	110.4
42.5°	720.8	447.7	203.8	150.6	115.4	111.4	106.4	106.4	109.4	108.4	107.4
45°	759.0	446.7	187.7	137.5	105.4	100.4	97.4	109.4	114.4	114.4	112.4
47.5°	805.1	446.7	172.7	122.5	98.4	90.4	88.3	101.4	111.4	113.4	115.4
50°	858.3	444.7	158.6	111.4	91.4	84.3	87.3	100.4	108.4	111.4	110.4
52.5°	927.6	440.7	146.6	102.4	86.3	77.3	82.3	97.4	107.4	108.4	107.4
55°	987.8	426.7	134.5	98.4	82.3	73.3	79.3	96.4	105.4	105.4	105.4
57.5°	1039.0	406.6	124.5	95.4	81.3	72.3	78.3	95.4	101.4	104.4	104.4
60°	1101.3	381.5	117.5	94.4	80.3	71.3	77.3	94.4	99.4	103.4	103.4
62.5°	1165.5	360.4	113.4	94.4	77.3	72.3	77.3	94.4	98.4	103.4	102.4
65°	1217.7	333.3	109.4	96.4	76.3	72.3	77.3	94.4	97.4	102.4	102.4
67.5°	1214.7	296.2	104.4	101.4	77.3	73.3	77.3	93.4	95.4	102.4	100.4
70°	1146.5	253.0	96.4	100.4	80.3	73.3	76.3	90.4	91.4	100.4	97.4
72.5°	1023.0	204.8	85.3	94.4	80.3	74.3	74.3	86.3	86.3	96.4	90.4
75°	856.3	157.6	70.3	83.3	76.3	76.3	70.3	81.3	79.3	85.3	79.3
77.5°	638.5	119.5	54.2	69.3	69.3	75.3	67.3	75.3	72.3	73.3	70.3
80°	266.0	72.3	41.2	54.2	59.2	73.3	64.2	68.3	61.2	61.2	59.2
82.5°	110.4	46.2	28.1	34.1	40.2	65.3	61.2	58.2	50.2	46.2	43.2
85°	40.2	25.1	19.1	23.1	26.1	45.2	44.2	37.1	29.1	32.1	26.1
87.5°	3.0	4.0	4.0	5.0	5.0	6.0	10.0	10.0	6.0	5.0	3.0
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-PA1-20-750-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)