

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: P560235

Luminaire Tested: **SDL-PA1-30-750-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560235
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-750-U-T3-HSS-A
Description: Springdale
(1) 70 CRI, 5000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2651.8 lumens
Efficiency: N/A
Efficacy: 88.1 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 - U3 - G1

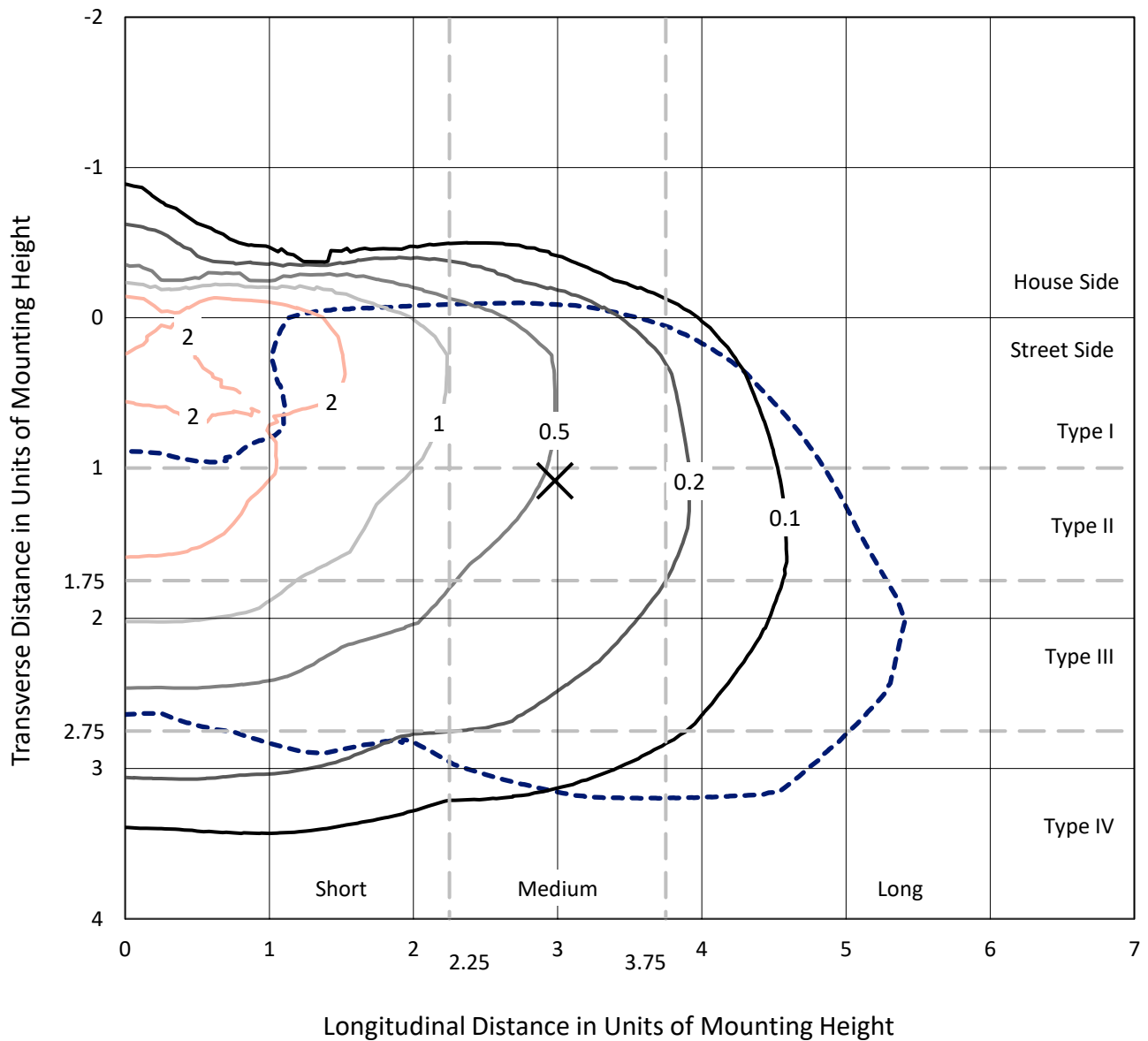
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

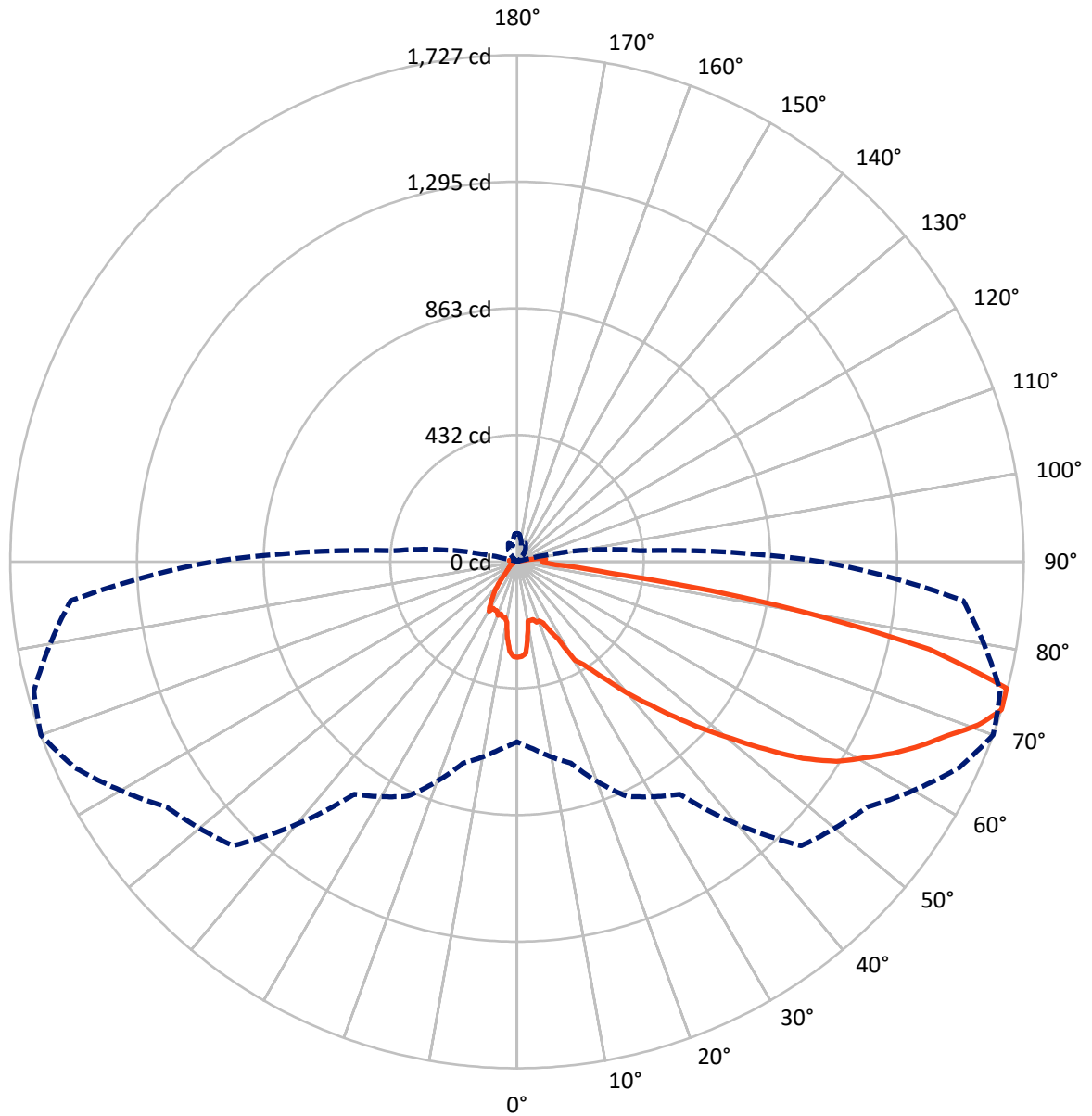
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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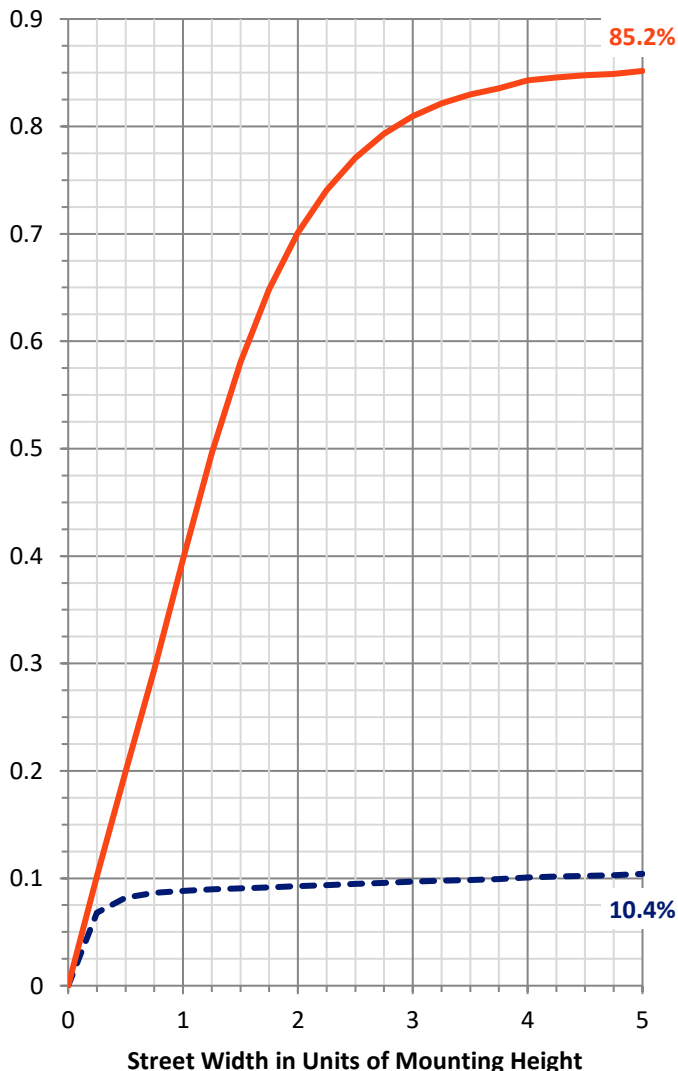
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	304.0	42.8	346.8
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	2270.5	34.6	2305.1
	% Fixture	85.6	1.3	86.9
Total	Lumens	2574.4	77.4	2651.8
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.1	0.9
10°-20°	49.7	1.9
20°-30°	80.4	3.0
30°-40°	171.9	6.5
40°-50°	337.9	12.7
50°-60°	564.3	21.3
60°-70°	700.3	26.4
70°-80°	539.3	20.3
80°-90°	105.5	4.0
90°-100°	57.2	2.2
100°-110°	11.8	0.4
110°-120°	3.4	0.1
120°-130°	2.6	0.1
130°-140°	1.2	0.0
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°	2574.4	97.1
0°-180°	2651.8	100.0

Coefficient of Utilization

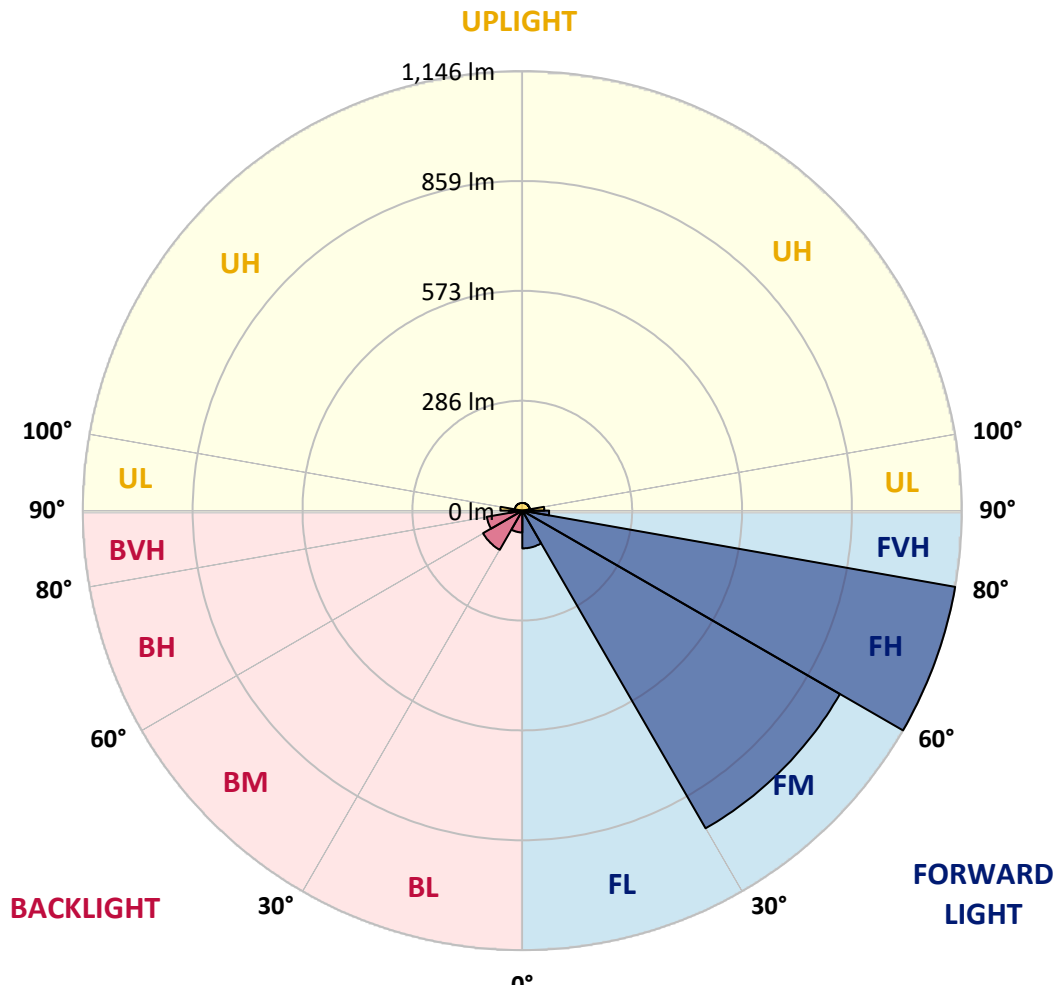


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	98.4	3.7			
FM (30°-60°)	956.2	36.1			
FH (60°-80°)	1145.7	43.2			G1/1800
FVH (80°-90°)	70.2	2.6			G1/100
BL (0°-30°)	56.9	2.1	B0/110		
BM (30°-60°)	117.9	4.4	B0/220		
BH (60°-80°)	93.9	3.5	B0/110		G0/110
BVH (80°-90°)	35.3	1.3			G1/100
UL (90°-100°)	57.2	2.2		U3/500	
UH (100°-180°)	20.2	0.8		U2/50	

BUG Rating: B0-U3-G1
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	325.7	325.7	325.7	325.7	325.7	325.7	325.7	325.7	325.7	325.7	325.7
2.5°	274.7	305.0	306.4	309.2	311.9	316.1	323.0	323.0	323.0	323.0	324.3
5°	260.9	260.9	260.9	263.6	263.6	266.4	267.8	309.2	313.3	317.4	317.4
7.5°	216.7	237.4	238.8	247.1	256.7	260.9	263.6	260.9	256.7	273.3	280.2
10°	237.4	237.4	237.4	240.2	226.3	219.4	202.9	204.3	205.6	218.1	248.4
12.5°	197.4	209.8	222.2	236.0	218.1	196.0	191.8	202.9	205.6	183.6	218.1
15°	230.5	229.1	229.1	216.7	180.8	196.0	171.1	180.8	204.3	223.6	259.5
17.5°	190.5	184.9	215.3	212.5	193.2	154.6	197.4	196.0	216.7	200.1	223.6
20°	226.3	225.0	225.0	173.9	191.8	208.4	205.6	191.8	215.3	240.2	282.9
22.5°	190.5	187.7	193.2	208.4	190.5	215.3	187.7	237.4	226.3	219.4	205.6
25°	240.2	238.8	238.8	190.5	215.3	197.4	237.4	216.7	262.2	285.7	311.9
27.5°	215.3	215.3	205.6	220.8	205.6	248.4	227.7	273.3	296.7	311.9	376.8
30°	298.1	299.5	282.9	219.4	229.1	233.2	269.1	338.1	389.2	426.5	466.5
32.5°	429.2	421.0	351.9	299.5	242.9	288.5	298.1	393.4	418.2	458.2	492.7
35°	583.8	579.7	518.9	387.8	292.6	309.2	332.6	427.9	466.5	506.5	527.2
37.5°	690.1	685.9	647.3	494.1	353.3	360.2	363.0	476.2	525.8	565.9	575.5
40°	777.0	770.1	746.7	576.9	434.8	421.0	407.2	542.4	599.0	632.1	636.3
42.5°	908.2	897.1	837.8	672.1	517.6	502.4	455.5	600.4	668.0	712.2	714.9
45°	1065.5	1055.8	973.0	804.6	605.9	601.8	541.0	674.9	755.0	807.4	792.2
47.5°	1173.2	1146.9	1100.0	931.6	742.5	706.7	636.3	750.8	848.8	927.5	884.7
50°	1271.1	1251.8	1211.8	1072.4	890.2	841.9	735.6	837.8	948.2	1020.0	962.0
52.5°	1362.2	1333.3	1300.1	1177.3	1017.2	993.7	833.6	924.7	1062.7	1122.1	1042.0
55°	1407.8	1362.2	1356.7	1272.5	1115.2	1095.9	944.0	1032.4	1182.8	1224.2	1117.9
57.5°	1333.3	1331.9	1374.7	1330.5	1195.2	1185.6	1055.8	1148.3	1283.6	1302.9	1192.5
60°	1283.6	1284.9	1349.8	1352.6	1265.6	1271.1	1156.6	1282.2	1358.1	1370.5	1262.9
62.5°	1196.6	1206.3	1304.3	1367.8	1283.6	1352.6	1242.2	1374.7	1438.1	1442.3	1349.8
65°	1087.6	1097.2	1196.6	1326.4	1264.2	1406.4	1313.9	1478.2	1511.3	1514.1	1445.0
67.5°	960.6	964.7	1075.2	1218.7	1217.3	1425.7	1358.1	1547.2	1581.7	1590.0	1526.5
70°	819.8	814.3	915.1	1080.7	1116.6	1416.1	1411.9	1614.8	1667.3	1665.9	1583.1
72.5°	614.2	640.4	710.8	881.9	967.5	1369.1	1457.5	1661.7	1726.6	1704.5	1526.5
75°	209.8	223.6	414.1	561.7	745.3	1243.5	1467.1	1664.5	1722.5	1624.5	1249.1
77.5°	69.0	64.9	92.5	223.6	414.1	861.2	1290.5	1451.9	1436.8	1262.9	767.4
80°	33.1	34.5	41.4	78.7	151.8	390.6	810.2	919.2	898.5	662.5	332.6
82.5°	22.1	23.5	27.6	45.5	85.6	133.9	430.6	419.6	317.4	208.4	136.6
85°	9.7	9.7	13.8	23.5	52.4	88.3	164.2	143.5	129.7	120.1	111.8
87.5°	2.8	2.8	5.5	8.3	17.9	55.2	92.5	87.0	89.7	93.9	106.3
90°	2.8	2.8	2.8	2.8	13.8	58.0	93.9	88.3	88.3	93.9	111.8
92.5°	4.1	4.1	2.8	2.8	12.4	58.0	98.0	84.2	89.7	95.2	120.1
95°	4.1	5.5	2.8	1.4	9.7	59.3	100.8	89.7	98.0	96.6	128.4
97.5°	5.5	5.5	2.8	1.4	5.5	51.1	102.1	73.1	74.5	69.0	100.8
100°	6.9	6.9	2.8	2.8	4.1	26.2	75.9	46.9	29.0	22.1	33.1
102.5°	8.3	8.3	2.8	2.8	2.8	9.7	34.5	27.6	15.2	4.1	8.3
105°	8.3	9.7	2.8	2.8	1.4	4.1	15.2	11.0	5.5	4.1	8.3
107.5°	9.7	9.7	2.8	2.8	1.4	2.8	4.1	4.1	2.8	4.1	8.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	6.9	6.9	2.8	4.1	1.4	1.4	1.4	2.8	2.8	4.1	8.3
115°	4.1	2.8	1.4	2.8	1.4	1.4	1.4	2.8	2.8	2.8	6.9
117.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	4.1	8.3
120°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	5.5	9.7
122.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	5.5	11.0
125°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	4.1	9.7
127.5°	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	2.8	4.1	8.3
130°	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4	2.8	5.5
132.5°	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4	2.8	5.5
135°	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	2.8
137.5°	1.4	1.4	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
140°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
142.5°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
145°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
150°	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
152.5°	2.8	2.8	2.8	1.4	1.4	1.4	1.4	2.8	2.8	1.4	1.4
155°	1.4	1.4	1.4	0.0	0.0	1.4	1.4	1.4	1.4	2.8	2.8
157.5°	0.0	1.4	1.4	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4
160°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4
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°	325.7	325.7	325.7	325.7	325.7	325.7	325.7	325.7	325.7	325.7	325.7
2.5°	324.3	324.3	323.0	325.7	324.3	324.3	306.4	288.5	284.3	285.7	288.5
5°	318.8	318.8	318.8	296.7	271.9	263.6	266.4	266.4	266.4	265.0	267.8
7.5°	281.6	280.2	276.0	251.2	262.2	260.9	259.5	256.7	223.6	215.3	215.3
10°	249.8	249.8	213.9	204.3	204.3	212.5	218.1	209.8	205.6	198.7	197.4
12.5°	219.4	219.4	183.6	204.3	172.5	171.1	167.0	153.2	129.7	113.2	114.6
15°	260.9	260.9	216.7	173.9	144.9	136.6	85.6	80.1	77.3	75.9	74.5
17.5°	222.2	223.6	200.1	172.5	135.3	71.8	60.7	60.7	60.7	58.0	52.4
20°	281.6	281.6	233.2	154.6	102.1	56.6	46.9	41.4	56.6	56.6	56.6
22.5°	204.3	201.5	205.6	157.3	63.5	45.5	38.6	48.3	51.1	42.8	42.8
25°	309.2	305.0	249.8	113.2	52.4	35.9	42.8	37.3	48.3	48.3	48.3
27.5°	380.9	353.3	254.0	103.5	38.6	41.4	34.5	41.4	37.3	35.9	35.9
30°	458.2	445.8	306.4	81.4	37.3	34.5	35.9	33.1	38.6	35.9	35.9
32.5°	483.1	470.6	277.4	63.5	35.9	33.1	30.4	31.7	30.4	31.7	31.7
35°	514.8	502.4	245.7	48.3	33.1	29.0	27.6	27.6	26.2	24.8	24.8
37.5°	560.4	539.6	209.8	41.4	30.4	26.2	22.1	20.7	22.1	27.6	29.0
40°	612.8	578.3	165.6	37.3	26.2	22.1	16.6	19.3	23.5	23.5	23.5
42.5°	688.7	625.2	122.8	34.5	23.5	17.9	12.4	15.2	17.9	24.8	24.8
45°	755.0	652.8	87.0	31.7	19.3	13.8	9.7	15.2	19.3	22.1	22.1
47.5°	832.2	679.0	64.9	30.4	17.9	9.7	11.0	15.2	15.2	23.5	23.5
50°	897.1	684.6	52.4	27.6	13.8	6.9	13.8	13.8	16.6	20.7	20.7
52.5°	957.8	690.1	46.9	24.8	11.0	5.5	13.8	13.8	19.3	24.8	24.8
55°	997.9	673.5	42.8	22.1	9.7	4.1	15.2	15.2	15.2	19.3	19.3
57.5°	1029.6	652.8	40.0	19.3	8.3	8.3	16.6	19.3	16.6	19.3	19.3
60°	1050.3	615.6	34.5	17.9	6.9	8.3	20.7	24.8	19.3	29.0	29.0
62.5°	1087.6	586.6	30.4	16.6	5.5	8.3	20.7	31.7	24.8	38.6	40.0
65°	1117.9	560.4	26.2	12.4	5.5	11.0	23.5	40.0	30.4	48.3	49.7
67.5°	1130.4	528.6	22.1	11.0	5.5	12.4	30.4	49.7	38.6	56.6	56.6
70°	1120.7	495.5	17.9	11.0	5.5	19.3	40.0	58.0	46.9	69.0	70.4
72.5°	1036.5	422.3	13.8	11.0	4.1	20.7	49.7	69.0	56.6	93.9	96.6
75°	793.6	267.8	13.8	11.0	5.5	23.5	58.0	80.1	67.6	104.9	109.0
77.5°	484.4	124.2	13.8	12.4	6.9	29.0	63.5	92.5	74.5	113.2	115.9
80°	215.3	77.3	13.8	13.8	13.8	35.9	74.5	102.1	84.2	120.1	124.2
82.5°	107.7	58.0	12.4	13.8	20.7	42.8	88.3	109.0	87.0	124.2	125.6
85°	92.5	52.4	12.4	15.2	22.1	49.7	95.2	110.4	91.1	122.8	124.2
87.5°	88.3	49.7	15.2	15.2	24.8	52.4	98.0	115.9	93.9	118.7	117.3
90°	92.5	48.3	16.6	17.9	31.7	53.8	99.4	113.2	93.9	111.8	111.8
92.5°	95.2	46.9	17.9	20.7	38.6	60.7	98.0	110.4	93.9	103.5	103.5
95°	98.0	46.9	20.7	23.5	38.6	66.2	93.9	100.8	87.0	92.5	91.1
97.5°	74.5	34.5	24.8	26.2	35.9	51.1	75.9	78.7	56.6	55.2	53.8
100°	26.2	15.2	24.8	29.0	22.1	22.1	45.5	55.2	33.1	20.7	23.5
102.5°	8.3	6.9	22.1	29.0	17.9	8.3	23.5	34.5	24.8	2.8	2.8
105°	8.3	8.3	12.4	23.5	12.4	2.8	8.3	19.3	15.2	2.8	2.8
107.5°	8.3	6.9	5.5	13.8	4.1	2.8	4.1	4.1	4.1	1.4	2.8



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 CATALOG NUMBER: SDL-PA1-30-750-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.7	6.9	2.8	4.1	2.8	2.8	2.8	1.4	2.8	6.9	8.3
115°	8.3	6.9	2.8	2.8	2.8	2.8	1.4	1.4	2.8	8.3	8.3
117.5°	9.7	8.3	2.8	2.8	1.4	2.8	1.4	1.4	2.8	8.3	9.7
120°	11.0	9.7	2.8	2.8	1.4	1.4	1.4	1.4	2.8	6.9	8.3
122.5°	11.0	11.0	2.8	1.4	1.4	1.4	1.4	1.4	4.1	6.9	6.9
125°	9.7	9.7	2.8	1.4	1.4	1.4	1.4	1.4	4.1	6.9	6.9
127.5°	8.3	8.3	2.8	1.4	1.4	1.4	1.4	1.4	2.8	5.5	6.9
130°	6.9	6.9	2.8	1.4	1.4	1.4	0.0	1.4	2.8	5.5	5.5
132.5°	5.5	4.1	2.8	1.4	1.4	1.4	0.0	1.4	2.8	4.1	5.5
135°	4.1	4.1	1.4	1.4	1.4	1.4	0.0	0.0	2.8	2.8	4.1
137.5°	2.8	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	2.8	2.8
140°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4
142.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4
145°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4
147.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4
150°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4
152.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4	1.4
155°	2.8	2.8	2.8	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4
157.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.4	1.4	1.4	1.4	1.4	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° | 9.7 9.7 4.1 2.8 1.4 2.8 1.4 2.8 2.8 4.1 9.7

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110°	9.7	6.9	2.8	4.1	2.8	2.8	2.8	2.8	2.8	5.5	5.5
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