

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: P560547

Luminaire Tested: **SDL-PA1-50-730-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560547
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-PA1-50-730-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 670mA 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: 3974 lumens
Efficiency: N/A
Efficacy: 75.8 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: B1 - U3 - G2

Input Watts (W): 52.4
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

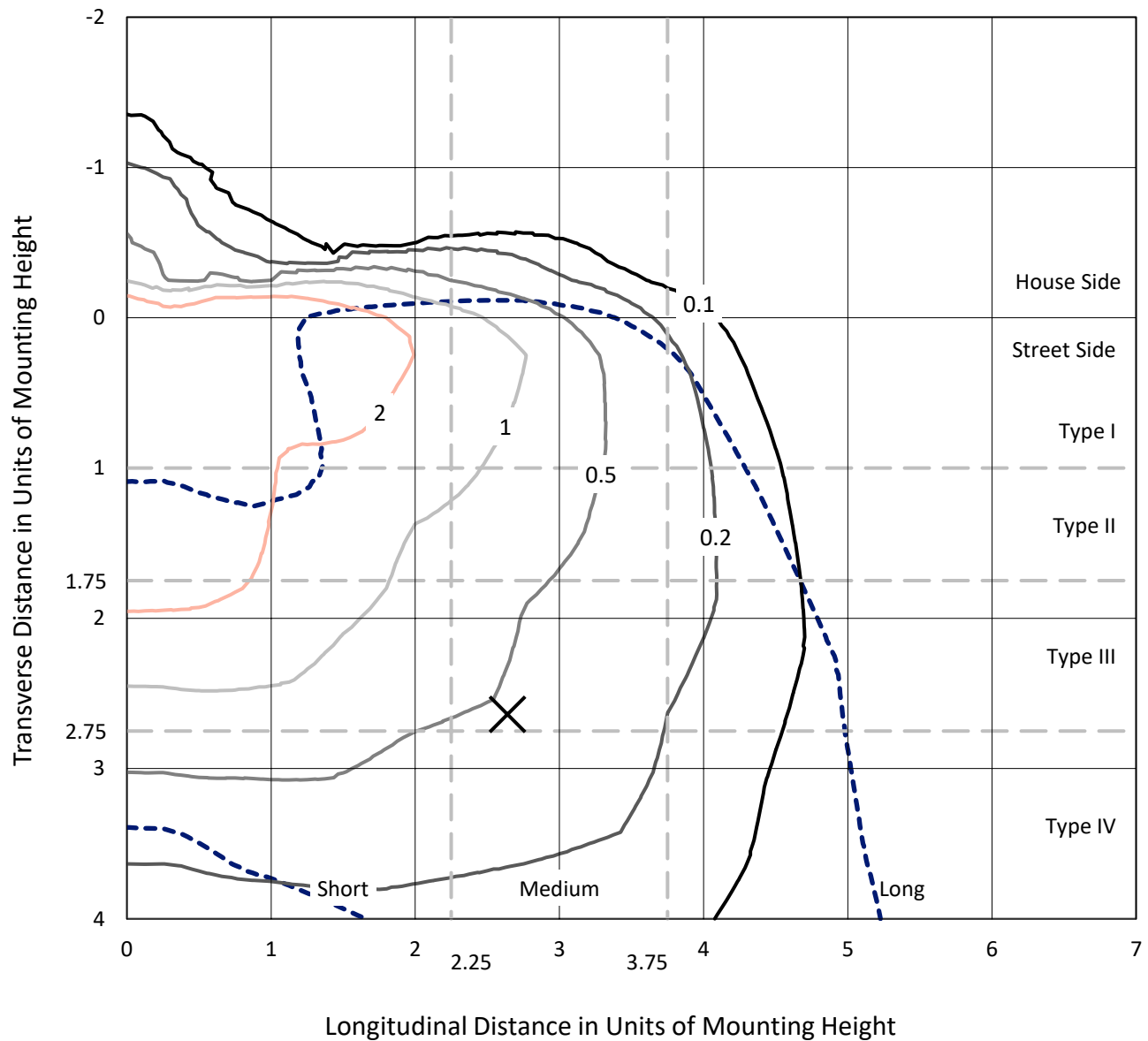


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

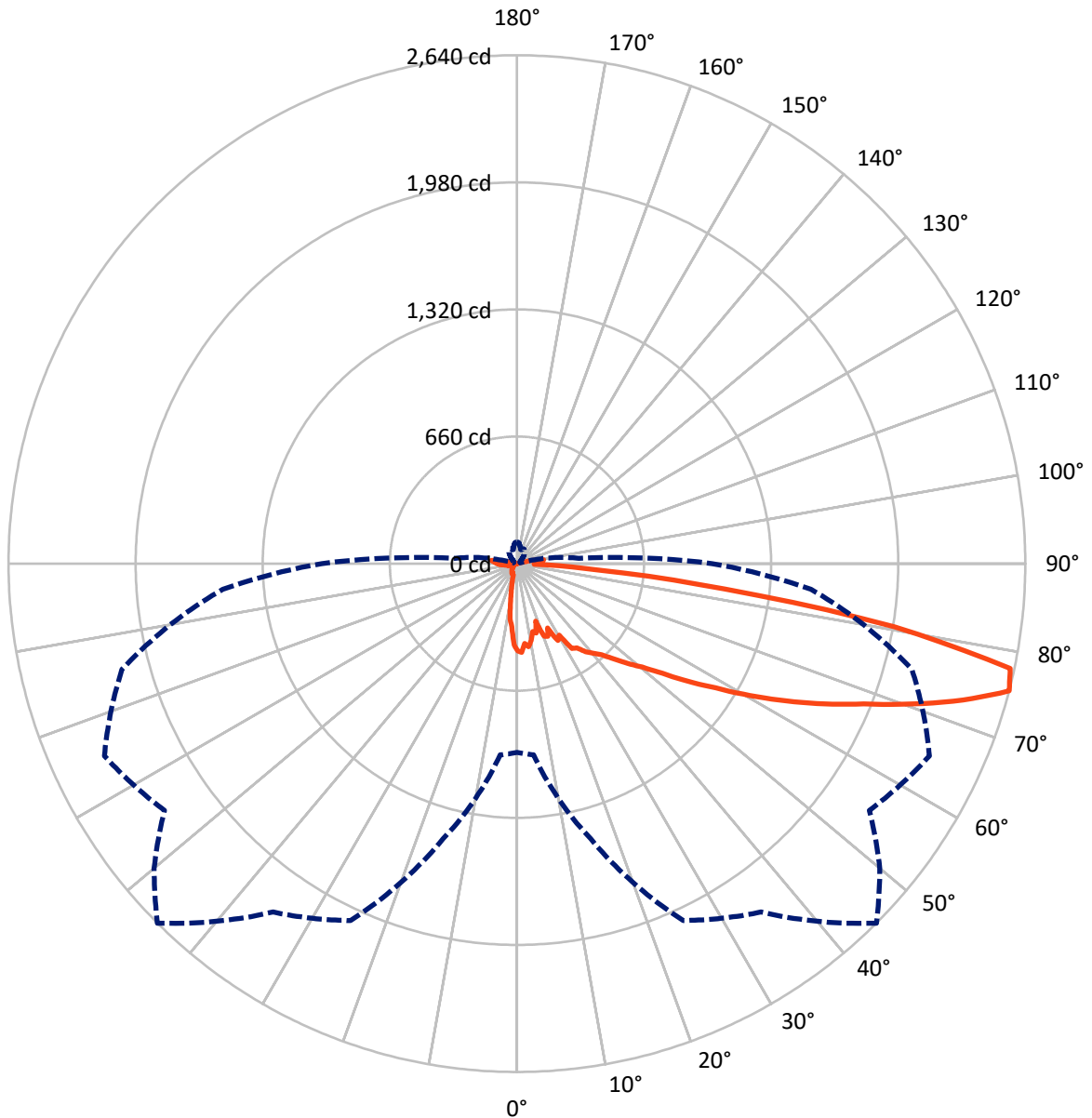


Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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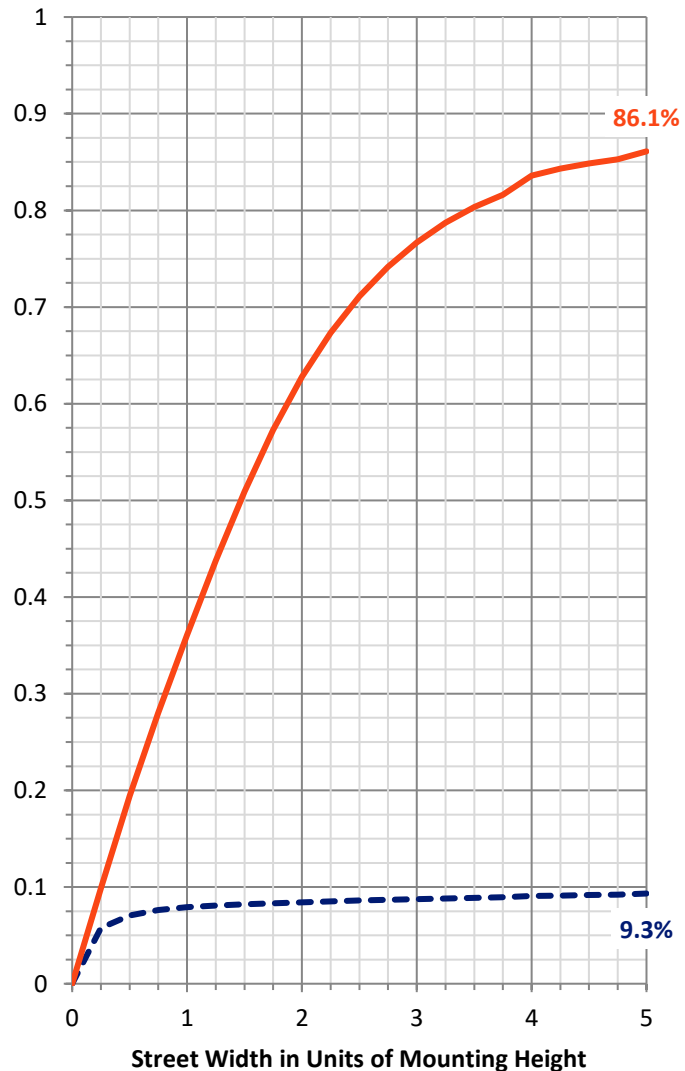
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	407.8	71.3	479.1
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	3439.8	55.1	3494.9
	% Fixture	86.6	1.4	87.9
Total	Lumens	3847.5	126.5	3974.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.2	0.9
10°-20°	76.0	1.9
20°-30°	127.6	3.2
30°-40°	236.5	6.0
40°-50°	398.6	10.0
50°-60°	715.5	18.0
60°-70°	1074.3	27.0
70°-80°	982.9	24.7
80°-90°	201.0	5.1
90°-100°	96.2	2.4
100°-110°	20.5	0.5
110°-120°	3.9	0.1
120°-130°	3.1	0.1
130°-140°	1.4	0.0
140°-150°	0.7	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3847.5	96.8
0°-180°	3974.0	100.0



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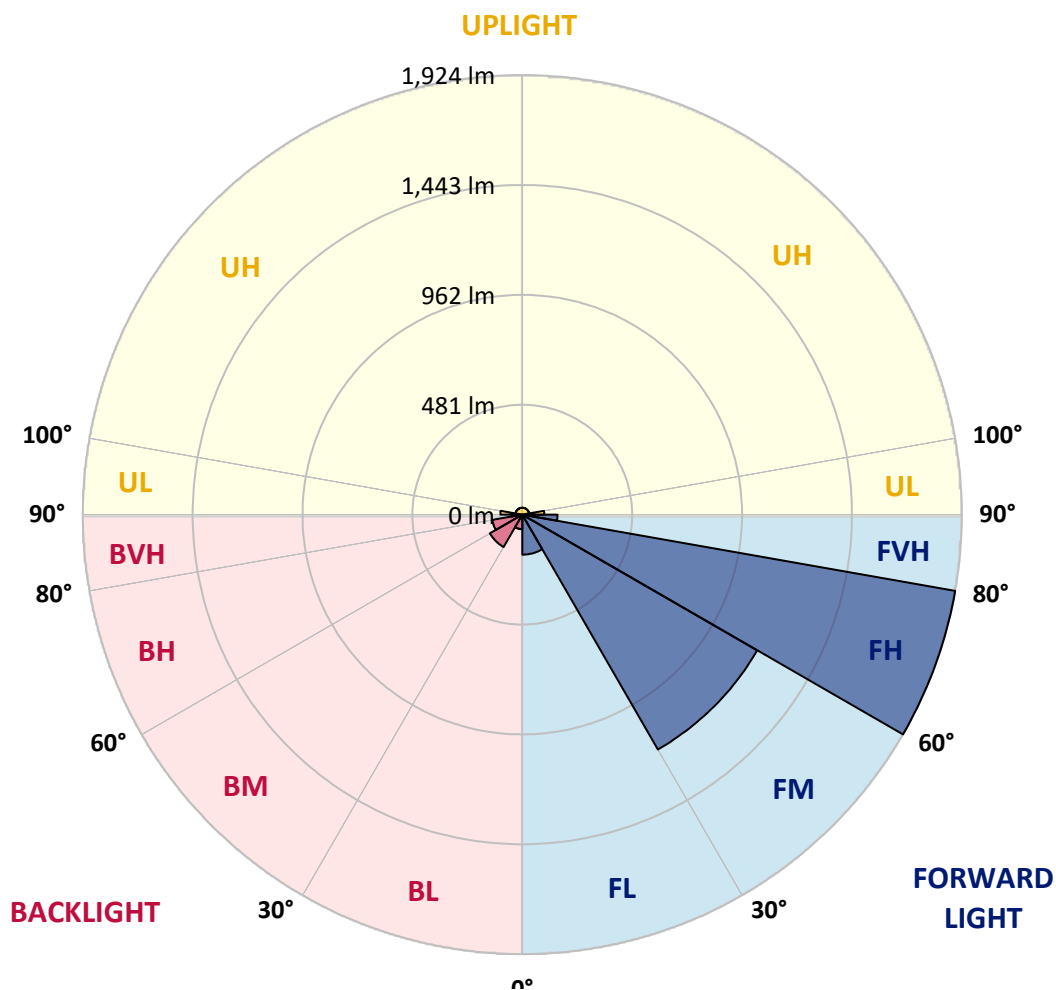
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	175.1	4.4			
FM	(30°-60°)	1187.0	29.9			
FH	(60°-80°)	1923.6	48.4			G2/5000
FVH	(80°-90°)	154.1	3.9			G2/225
BL	(0°-30°)	63.7	1.6	B0/110		
BM	(30°-60°)	163.6	4.1	B0/220		
BH	(60°-80°)	133.6	3.4	B1/500		G1/500
BVH	(80°-90°)	46.9	1.2			G1/100
UL	(90°-100°)	96.2	2.4		U3/500	
UH	(100°-180°)	30.3	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	452.8	452.8	452.8	452.8	452.8	452.8	452.8	452.8	452.8	452.8	452.8
2.5°	440.1	461.3	454.9	465.6	463.4	461.3	461.3	463.4	461.3	457.1	452.8
5°	448.6	442.2	437.9	435.8	427.3	416.7	412.4	408.2	452.8	452.8	444.3
7.5°	461.3	461.3	452.8	446.4	446.4	435.8	425.2	416.7	395.4	389.0	389.0
10°	491.1	486.8	480.4	467.7	403.9	406.0	382.7	335.9	314.6	323.1	335.9
12.5°	497.4	495.3	486.8	484.7	425.2	361.4	299.7	335.9	321.0	267.9	297.6
15°	533.6	529.3	512.3	482.6	363.5	374.1	348.6	299.7	287.0	327.4	350.8
17.5°	454.9	454.9	510.2	467.7	395.4	314.6	312.5	348.6	314.6	293.4	291.2
20°	559.1	559.1	535.7	382.7	406.0	401.8	323.1	365.6	308.2	348.6	372.0
22.5°	465.6	463.4	480.4	474.1	389.0	410.3	331.6	333.8	367.8	314.6	270.0
25°	567.6	567.6	554.8	412.4	442.2	369.9	378.4	399.7	327.4	397.5	401.8
27.5°	488.9	486.8	463.4	471.9	412.4	452.8	344.4	376.3	401.8	429.4	471.9
30°	597.4	601.6	591.0	448.6	459.2	431.5	410.3	435.8	486.8	571.9	599.5
32.5°	737.7	741.9	629.3	540.0	461.3	525.1	440.1	480.4	559.1	599.5	629.3
35°	820.6	788.7	739.8	603.7	497.4	537.8	506.0	512.3	582.5	646.3	667.5
37.5°	890.7	848.2	790.8	622.9	525.1	580.4	527.2	535.7	631.4	688.8	716.4
40°	914.1	888.6	856.7	665.4	559.1	612.2	552.7	571.9	678.1	744.0	786.6
42.5°	971.5	973.6	954.5	724.9	595.2	646.3	595.2	608.0	739.8	820.6	882.2
45°	1124.6	1128.8	1107.6	827.0	639.9	705.8	663.3	669.6	809.9	937.5	1016.2
47.5°	1320.2	1305.3	1284.0	963.0	707.9	773.8	741.9	735.5	892.9	1090.6	1160.7
50°	1517.9	1490.2	1445.6	1150.1	824.8	844.0	822.7	818.5	992.8	1247.9	1324.4
52.5°	1724.1	1702.8	1609.3	1326.5	999.2	946.0	922.6	946.0	1122.4	1422.2	1492.3
55°	1832.5	1811.2	1751.7	1515.7	1167.1	1077.8	1037.4	1079.9	1322.3	1585.9	1677.3
57.5°	1921.8	1915.4	1887.8	1713.4	1371.2	1218.1	1177.7	1218.1	1481.7	1738.9	1847.4
60°	2049.3	2023.8	2049.3	1904.8	1568.9	1390.3	1335.0	1377.6	1677.3	1872.9	2034.4
62.5°	2140.7	2134.4	2185.4	2119.5	1734.7	1571.0	1490.2	1530.6	1849.5	2015.3	2219.4
65°	2042.9	2074.8	2278.9	2259.8	1921.8	1756.0	1670.9	1658.2	1989.8	2168.4	2417.1
67.5°	1868.6	1889.9	2187.5	2332.1	2085.5	1943.0	1841.0	1781.5	2119.5	2306.5	2574.4
70°	1702.8	1728.3	2000.4	2336.3	2164.1	2183.3	2040.8	1930.3	2249.2	2461.7	2608.4
72.5°	1571.0	1594.4	1838.9	2285.3	2191.8	2423.5	2259.8	2087.6	2374.6	2466.0	2278.9
75°	980.0	997.0	1479.6	2045.1	2208.8	2640.3	2459.6	2234.3	2363.9	2123.7	1532.7
77.5°	301.9	308.2	633.5	1349.9	1919.6	2619.0	2425.6	2100.3	1981.3	1347.8	699.4
80°	104.2	106.3	163.7	480.4	1148.0	1987.7	1849.5	1545.5	1184.1	497.4	263.6
82.5°	48.9	53.1	76.5	161.6	467.7	1086.3	1092.7	918.4	497.4	221.1	178.6
85°	17.0	17.0	31.9	70.2	180.7	418.8	397.5	369.9	261.5	199.8	165.8
87.5°	6.4	6.4	10.6	19.1	44.6	89.3	112.7	138.2	138.2	140.3	167.9
90°	6.4	6.4	4.3	4.3	31.9	93.5	112.7	125.4	114.8	127.6	182.8
92.5°	6.4	6.4	4.3	4.3	34.0	108.4	125.4	136.1	121.2	136.1	202.0
95°	6.4	6.4	4.3	4.3	38.3	131.8	146.7	144.6	121.2	142.4	216.8
97.5°	8.5	8.5	4.3	2.1	34.0	140.3	157.3	153.1	104.2	108.4	170.1
100°	8.5	8.5	4.3	2.1	21.3	104.2	125.4	123.3	68.0	17.0	48.9
102.5°	8.5	8.5	4.3	2.1	4.3	48.9	59.5	61.6	40.4	6.4	8.5
105°	10.6	10.6	4.3	2.1	2.1	8.5	19.1	25.5	14.9	4.3	8.5
107.5°	10.6	10.6	4.3	2.1	2.1	4.3	4.3	6.4	6.4	4.3	10.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	8.5	8.5	2.1	4.3	2.1	2.1	2.1	2.1	2.1	4.3	10.6
115°	4.3	4.3	2.1	2.1	0.0	2.1	2.1	2.1	2.1	4.3	8.5
117.5°	2.1	2.1	0.0	2.1	0.0	2.1	2.1	2.1	4.3	4.3	10.6
120°	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1	2.1	6.4	12.8
122.5°	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1	2.1	6.4	12.8
125°	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1	2.1	6.4	12.8
127.5°	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1	2.1	6.4	10.6
130°	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1	2.1	4.3	8.5
132.5°	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1	2.1	4.3	6.4
135°	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	4.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
140°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
145°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
147.5°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
150°	6.4	6.4	4.3	2.1	0.0	0.0	2.1	2.1	2.1	2.1	2.1
152.5°	4.3	4.3	6.4	2.1	0.0	0.0	2.1	2.1	4.3	2.1	2.1
155°	4.3	4.3	2.1	0.0	0.0	0.0	0.0	2.1	2.1	4.3	4.3
157.5°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1
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°	452.8	452.8	452.8	452.8	452.8	452.8	452.8	452.8	452.8	452.8	452.8
2.5°	448.6	446.4	440.1	435.8	429.4	423.0	391.2	372.0	369.9	367.8	369.9
5°	440.1	433.7	423.0	374.1	350.8	329.5	323.1	318.9	308.2	308.2	310.4
7.5°	380.5	376.3	342.3	327.4	308.2	289.1	272.1	259.4	227.5	216.8	212.6
10°	333.8	325.3	265.7	236.0	216.8	195.6	195.6	178.6	170.1	163.7	161.6
12.5°	289.1	282.7	233.8	214.7	161.6	140.3	129.7	119.0	112.7	108.4	106.3
15°	338.0	327.4	250.9	172.2	119.0	99.9	78.7	76.5	95.7	99.9	102.0
17.5°	270.0	276.4	223.2	150.9	97.8	61.6	68.0	80.8	91.4	91.4	89.3
20°	359.3	344.4	242.3	121.2	70.2	61.6	65.9	59.5	85.0	91.4	91.4
22.5°	261.5	248.7	199.8	112.7	55.3	59.5	55.3	70.2	78.7	70.2	72.3
25°	389.0	369.9	231.7	78.7	57.4	51.0	63.8	55.3	76.5	82.9	85.0
27.5°	482.6	418.8	227.5	74.4	51.0	57.4	53.1	63.8	61.6	65.9	65.9
30°	576.1	540.0	257.2	68.0	51.0	48.9	55.3	55.3	70.2	76.5	76.5
32.5°	616.5	574.0	225.3	65.9	51.0	48.9	48.9	59.5	65.9	78.7	78.7
35°	659.0	601.6	189.2	61.6	48.9	46.8	46.8	59.5	70.2	78.7	80.8
37.5°	716.4	631.4	153.1	59.5	46.8	44.6	40.4	53.1	74.4	82.9	85.0
40°	788.7	673.9	119.0	55.3	42.5	40.4	38.3	53.1	63.8	74.4	74.4
42.5°	901.4	720.7	93.5	53.1	40.4	36.1	36.1	44.6	61.6	70.2	70.2
45°	1016.2	775.9	78.7	51.0	38.3	34.0	34.0	44.6	46.8	59.5	59.5
47.5°	1143.7	831.2	72.3	48.9	38.3	29.8	29.8	40.4	40.4	55.3	57.4
50°	1275.5	878.0	68.0	46.8	34.0	27.6	34.0	27.6	34.0	53.1	57.4
52.5°	1390.3	916.2	63.8	42.5	31.9	25.5	31.9	27.6	34.0	48.9	48.9
55°	1507.2	937.5	61.6	40.4	29.8	21.3	31.9	29.8	31.9	44.6	44.6
57.5°	1611.4	943.9	59.5	40.4	25.5	19.1	29.8	36.1	27.6	36.1	40.4
60°	1704.9	937.5	53.1	36.1	19.1	19.1	31.9	42.5	38.3	42.5	42.5
62.5°	1792.1	914.1	42.5	29.8	14.9	19.1	40.4	46.8	36.1	44.6	48.9
65°	1866.5	882.2	31.9	23.4	10.6	21.3	42.5	53.1	42.5	51.0	55.3
67.5°	1900.5	839.7	25.5	19.1	10.6	23.4	44.6	59.5	48.9	57.4	61.6
70°	1843.1	752.6	21.3	19.1	8.5	27.6	46.8	63.8	55.3	72.3	74.4
72.5°	1530.6	591.0	19.1	19.1	14.9	34.0	59.5	72.3	68.0	97.8	95.7
75°	1014.0	323.1	19.1	17.0	19.1	40.4	72.3	85.0	74.4	110.5	110.5
77.5°	467.7	142.4	17.0	19.1	21.3	44.6	82.9	102.0	85.0	125.4	123.3
80°	204.1	87.2	17.0	17.0	23.4	48.9	93.5	114.8	93.5	138.2	138.2
82.5°	153.1	78.7	14.9	17.0	31.9	55.3	108.4	127.6	104.2	148.8	146.7
85°	142.4	74.4	17.0	19.1	36.1	70.2	127.6	138.2	108.4	153.1	153.1
87.5°	144.6	72.3	17.0	19.1	48.9	89.3	144.6	148.8	119.0	161.6	161.6
90°	148.8	74.4	19.1	21.3	55.3	97.8	161.6	159.4	133.9	170.1	170.1
92.5°	159.4	74.4	21.3	23.4	59.5	108.4	176.4	163.7	144.6	176.4	172.2
95°	165.8	74.4	23.4	25.5	70.2	119.0	187.1	159.4	153.1	163.7	159.4
97.5°	123.3	55.3	27.6	29.8	72.3	133.9	172.2	136.1	99.9	97.8	99.9
100°	40.4	19.1	29.8	31.9	46.8	93.5	127.6	97.8	53.1	40.4	40.4
102.5°	10.6	10.6	27.6	29.8	25.5	40.4	74.4	63.8	36.1	2.1	4.3
105°	10.6	8.5	17.0	23.4	14.9	10.6	29.8	36.1	27.6	2.1	2.1
107.5°	10.6	8.5	8.5	12.8	4.3	4.3	8.5	8.5	8.5	2.1	2.1



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CATALOG NUMBER: SDL-PA1-50-730-U-T4W-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.8	8.5	4.3	4.3	4.3	2.1	2.1	2.1	2.1	6.4	8.5
115°	10.6	8.5	2.1	4.3	2.1	2.1	2.1	2.1	4.3	8.5	10.6
117.5°	10.6	8.5	2.1	2.1	2.1	2.1	2.1	2.1	4.3	10.6	12.8
120°	12.8	10.6	2.1	2.1	2.1	2.1	2.1	2.1	4.3	12.8	12.8
122.5°	12.8	10.6	2.1	2.1	2.1	2.1	0.0	2.1	6.4	12.8	12.8
125°	12.8	10.6	2.1	2.1	2.1	0.0	0.0	2.1	6.4	12.8	14.9
127.5°	10.6	8.5	2.1	2.1	2.1	0.0	0.0	2.1	4.3	10.6	12.8
130°	8.5	6.4	2.1	2.1	2.1	0.0	0.0	0.0	4.3	10.6	10.6
132.5°	6.4	4.3	2.1	2.1	2.1	0.0	0.0	0.0	4.3	8.5	8.5
135°	4.3	4.3	2.1	2.1	2.1	0.0	0.0	0.0	2.1	6.4	6.4
137.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	2.1	2.1	2.1
140°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
155°	4.3	4.3	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.1	2.1	2.1	2.1	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°	10.6	10.6	4.3	4.3	2.1	2.1	2.1	2.1	4.3	4.3	10.6
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110°	10.6	8.5	4.3	4.3	4.3	4.3	4.3	2.1	2.1	4.3	4.3
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(END OF REPORT)