

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: P560706

Luminaire Tested: **SDL-PA1-60-730-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560706
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-PA1-60-730-U-SL3-A
Description: Springdale
(1) 70 CRI, 3000K, 800mA 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: 6351.6 lumens
Efficiency: N/A
Efficacy: 101.8 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 - U3 - G3

Input Watts (W): 62.4
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



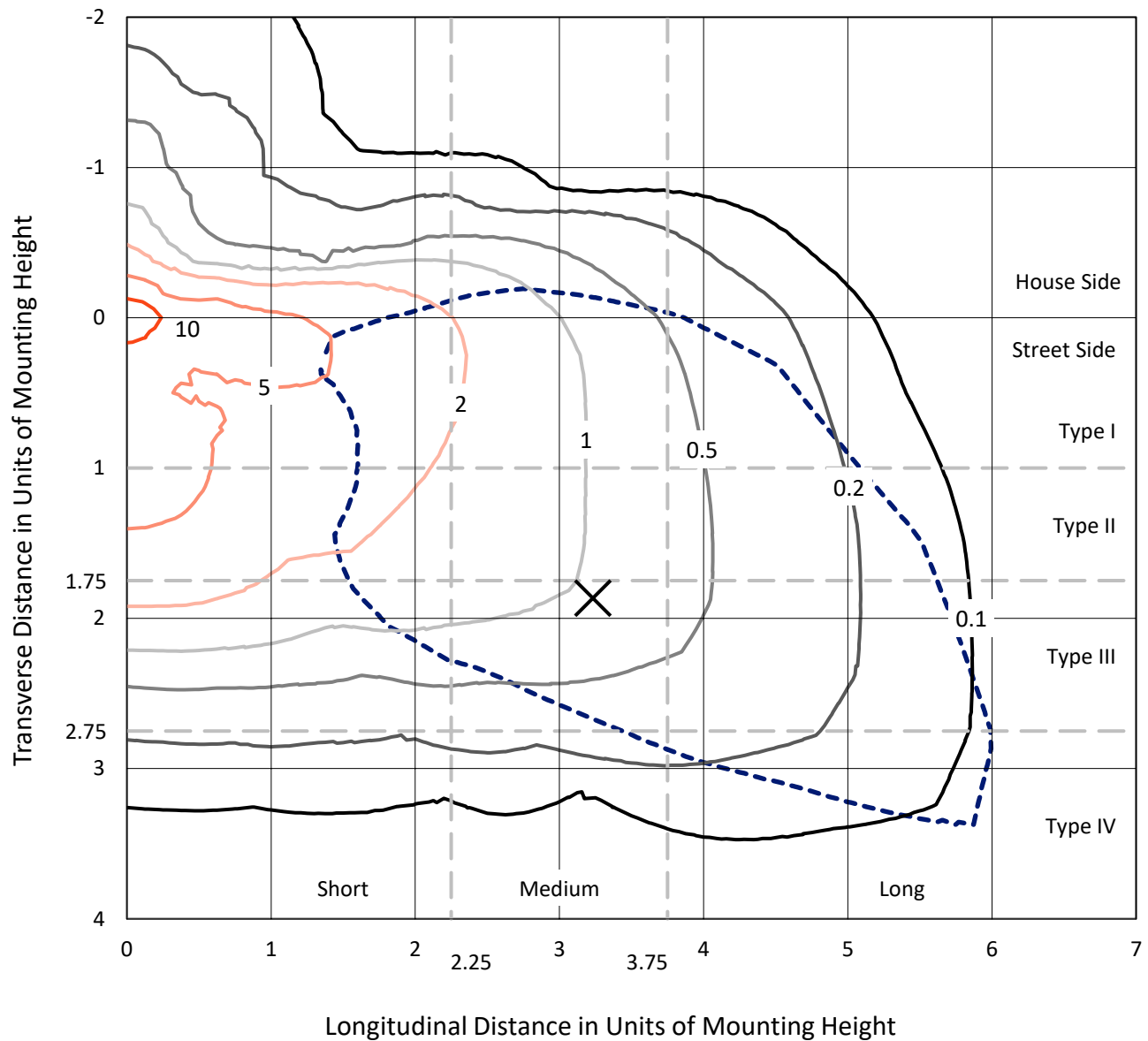
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

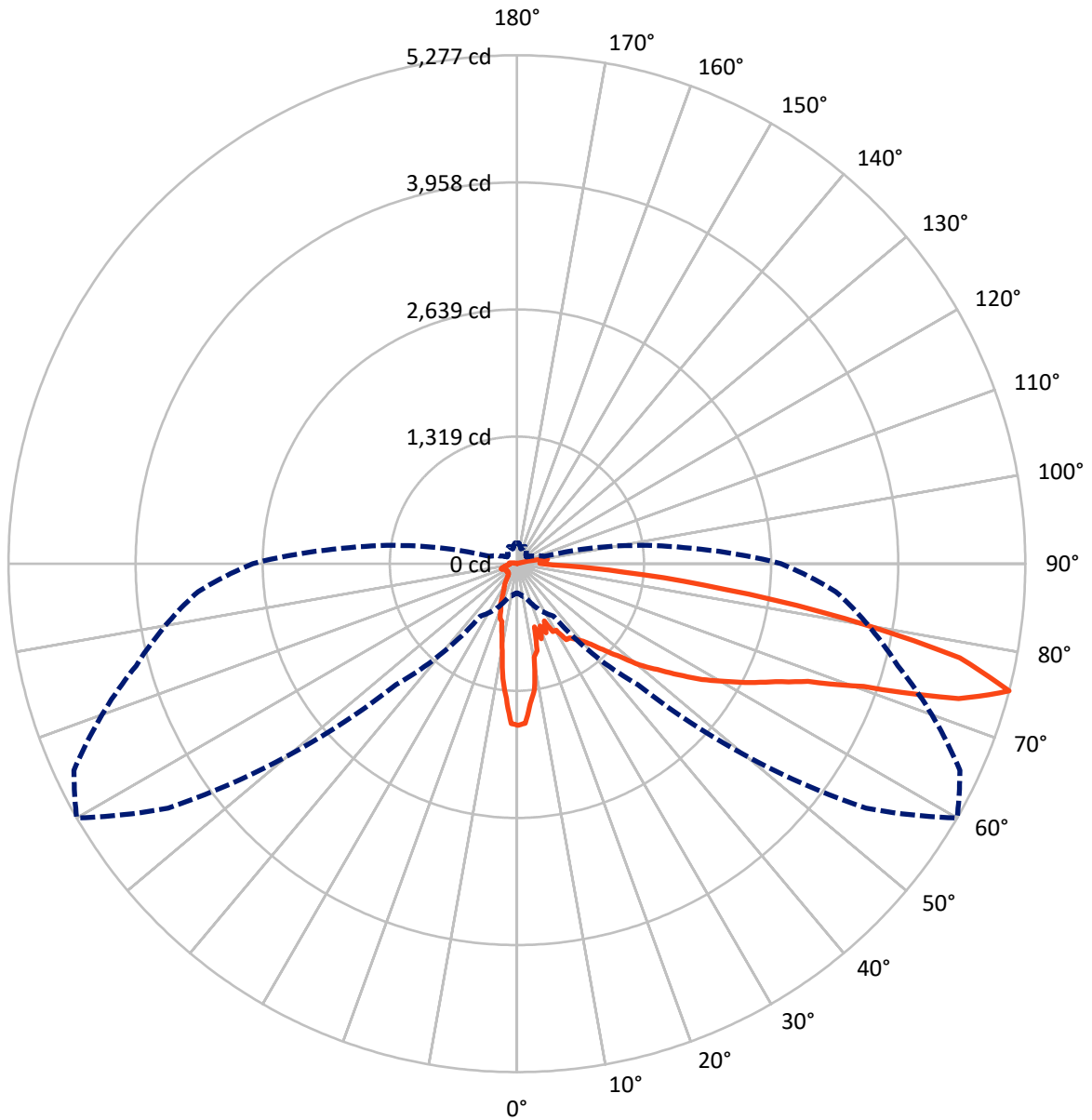


Based on 10 foot mounting height. Maximum calculated value = 16.8 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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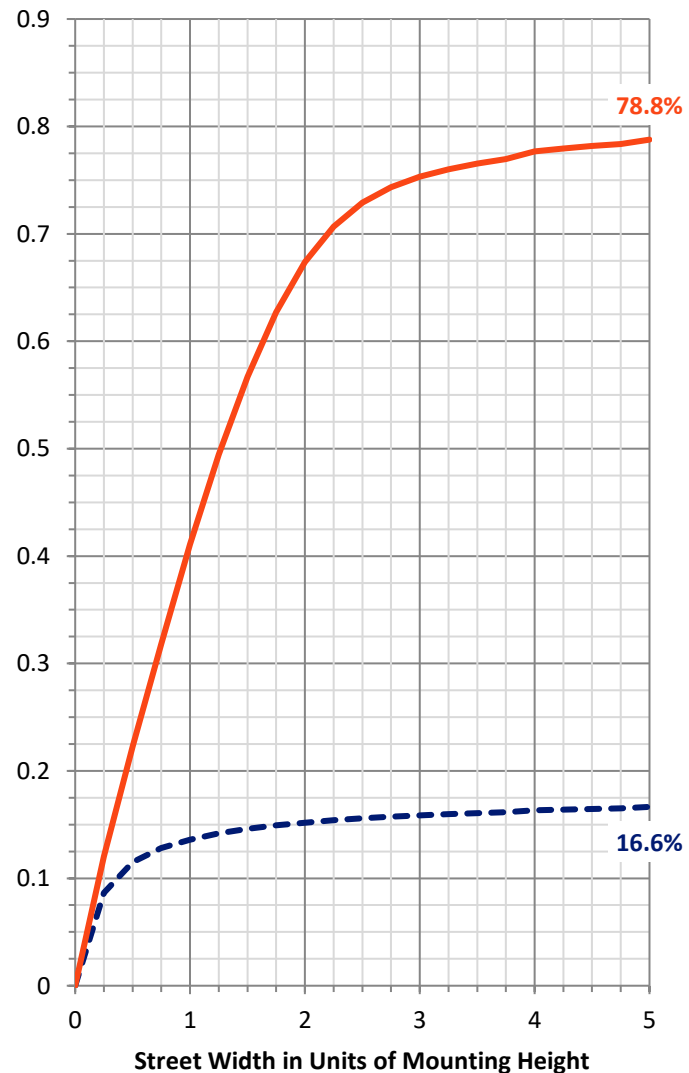
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1115.0	84.6	1199.6
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	5062.5	89.4	5152.0
	% Fixture	79.7	1.4	81.1
Total	Lumens	6177.6	174.0	6351.6
	% Fixture	97.3	2.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.4	1.9
10°-20°	219.7	3.5
20°-30°	284.7	4.5
30°-40°	474.4	7.5
40°-50°	759.6	12.0
50°-60°	1166.1	18.4
60°-70°	1457.1	22.9
70°-80°	1329.0	20.9
80°-90°	363.7	5.7
90°-100°	122.1	1.9
100°-110°	27.8	0.4
110°-120°	8.8	0.1
120°-130°	8.2	0.1
130°-140°	3.9	0.1
140°-150°	1.6	0.0
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6177.6	97.3
0°-180°	6351.6	100.0



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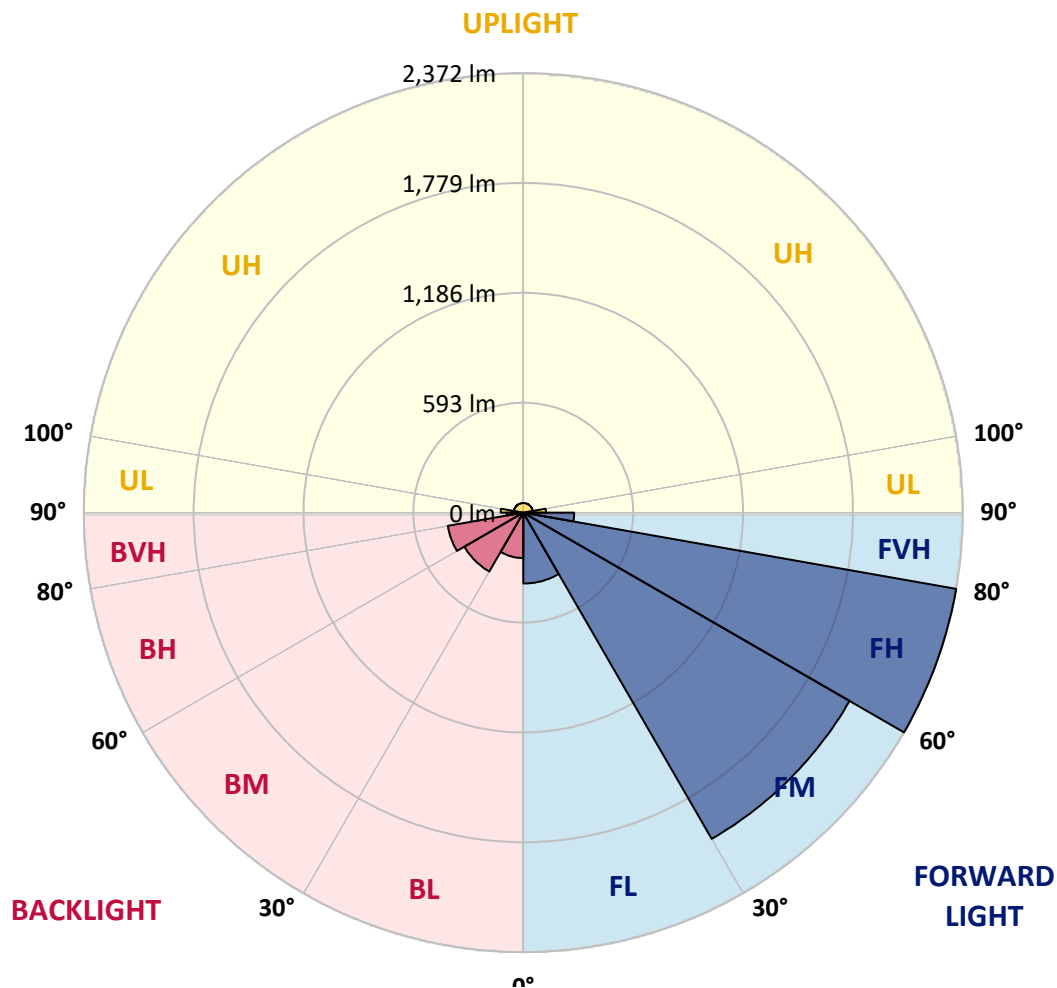
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	382.6	6.0			
FM	(30°-60°)	2033.2	32.0			
FH	(60°-80°)	2372.4	37.4			G2/5000
FVH	(80°-90°)	274.4	4.3			G3/500
BL	(0°-30°)	245.1	3.9	B1/500		
BM	(30°-60°)	366.9	5.8	B1/1000		
BH	(60°-80°)	413.7	6.5	B1/500		G1/500
BVH	(80°-90°)	89.2	1.4			G1/100
UL	(90°-100°)	122.1	1.9		U3/500	
UH	(100°-180°)	51.9	0.8		U3/500	

BUG Rating: B1-U3-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1677.3	1677.3	1677.3	1677.3	1677.3	1677.3	1677.3	1677.3	1677.3	1677.3	1677.3
2.5°	1407.3	1538.6	1526.2	1627.8	1627.8	1650.1	1660.0	1657.5	1667.4	1677.3	1674.9
5°	1295.8	1298.3	1308.2	1330.5	1337.9	1345.3	1370.1	1456.8	1603.0	1637.7	1637.7
7.5°	1070.3	1129.8	1204.1	1216.5	1261.1	1283.4	1310.7	1315.6	1216.5	1394.9	1412.2
10°	1085.2	1087.7	1082.7	1110.0	1077.8	1065.4	978.7	983.6	993.5	1060.4	1194.2
12.5°	849.8	899.4	1005.9	1055.5	976.2	889.5	884.5	926.6	944.0	844.9	1053.0
15°	971.2	976.2	978.7	981.1	728.4	844.9	738.3	678.9	760.6	958.8	1090.2
17.5°	760.6	765.6	882.0	879.6	802.7	649.1	802.7	820.1	787.9	815.1	911.8
20°	891.9	894.4	887.0	688.8	703.6	795.3	691.3	688.8	728.4	939.0	1060.4
22.5°	733.4	723.5	721.0	787.9	716.0	765.6	671.4	778.0	844.9	837.4	800.3
25°	919.2	916.7	879.6	686.3	733.4	649.1	785.4	659.0	730.9	1013.3	1060.4
27.5°	859.7	825.0	763.1	792.8	683.8	760.6	698.7	797.8	842.4	1040.6	1228.9
30°	1112.4	1087.7	1015.8	800.3	755.7	701.2	748.2	800.3	958.8	1340.4	1404.8
32.5°	1469.2	1442.0	1184.3	981.1	792.8	830.0	787.9	939.0	1057.9	1367.6	1417.2
35°	1578.2	1541.1	1414.7	1189.3	909.3	882.0	839.9	946.4	1072.8	1439.5	1439.5
37.5°	1640.2	1637.7	1578.2	1313.1	1025.7	1010.9	904.3	993.5	1132.3	1508.9	1494.0
40°	1650.1	1662.5	1689.7	1422.2	1164.5	1132.3	988.6	1057.9	1216.5	1593.1	1563.4
42.5°	1731.9	1754.2	1816.1	1565.9	1303.2	1273.5	1087.7	1152.1	1308.2	1717.0	1709.6
45°	1863.2	1885.5	1940.0	1724.4	1424.6	1404.8	1248.7	1288.4	1456.8	1935.0	1865.6
47.5°	2135.7	2140.7	2118.4	1855.7	1555.9	1555.9	1404.8	1442.0	1590.6	2135.7	2068.8
50°	2408.2	2378.5	2279.4	2011.8	1687.3	1724.4	1565.9	1652.6	1741.8	2338.9	2247.2
52.5°	2559.4	2554.4	2420.6	2130.7	1801.2	1873.1	1751.7	1826.0	1880.5	2544.5	2415.7
55°	2564.3	2556.9	2465.2	2187.7	1907.8	2026.7	1937.5	2034.1	2073.8	2705.6	2646.1
57.5°	2482.6	2502.4	2455.3	2219.9	1959.8	2175.3	2163.0	2267.0	2286.8	2896.3	2804.7
60°	2353.7	2351.3	2408.2	2249.7	2039.1	2316.6	2371.1	2477.6	2584.2	3042.5	2945.9
62.5°	2031.6	2053.9	2215.0	2249.7	2125.8	2499.9	2604.0	2715.5	2846.8	3176.3	3072.2
65°	1590.6	1603.0	1855.7	2086.2	2150.6	2745.2	2839.3	2950.8	3089.6	3312.6	3213.5
67.5°	961.3	1043.1	1261.1	1717.0	2024.2	3040.0	3213.5	3260.5	3339.8	3466.2	3421.6
70°	547.6	572.3	676.4	1080.2	1689.7	3134.2	3902.2	3818.0	3736.2	3766.0	3681.7
72.5°	416.2	431.1	478.2	639.2	1010.9	2767.5	4482.0	4794.2	4442.4	4078.2	3674.3
75°	302.3	317.1	364.2	515.3	664.0	1774.0	4422.5	5277.3	5074.2	4093.0	3322.5
77.5°	188.3	190.8	218.0	438.5	597.1	889.5	3461.2	4700.0	4789.2	3823.0	2755.1
80°	131.3	133.8	138.7	235.4	550.0	713.6	2324.0	3451.3	3577.7	2661.0	1404.8
82.5°	94.1	99.1	104.1	138.7	356.8	681.3	1446.9	2172.9	1915.2	963.8	569.9
85°	49.6	54.5	66.9	84.2	143.7	740.8	867.2	1105.0	874.6	391.5	339.4
87.5°	19.8	17.3	14.9	22.3	39.6	284.9	337.0	371.6	287.4	220.5	270.1
90°	17.3	14.9	9.9	12.4	17.3	101.6	213.1	237.9	198.2	215.6	272.5
92.5°	17.3	14.9	9.9	9.9	17.3	101.6	255.2	260.1	205.6	220.5	284.9
95°	17.3	17.3	9.9	9.9	17.3	91.7	302.3	297.3	213.1	232.9	302.3
97.5°	17.3	17.3	7.4	9.9	17.3	61.9	312.2	322.1	208.1	166.0	250.2
100°	17.3	17.3	7.4	7.4	14.9	39.6	218.0	235.4	153.6	54.5	61.9
102.5°	17.3	17.3	7.4	7.4	9.9	27.3	96.6	116.4	91.7	17.3	19.8
105°	17.3	19.8	5.0	5.0	7.4	14.9	42.1	47.1	37.2	12.4	22.3
107.5°	19.8	22.3	5.0	5.0	5.0	7.4	14.9	17.3	9.9	9.9	22.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	17.3	14.9	2.5	5.0	5.0	5.0	5.0	5.0	5.0	9.9	24.8
115°	9.9	7.4	2.5	5.0	5.0	5.0	2.5	5.0	7.4	9.9	22.3
117.5°	9.9	7.4	2.5	2.5	2.5	5.0	2.5	2.5	7.4	12.4	27.3
120°	7.4	7.4	2.5	2.5	2.5	2.5	2.5	5.0	5.0	17.3	37.2
122.5°	7.4	7.4	2.5	2.5	2.5	2.5	2.5	5.0	5.0	17.3	37.2
125°	9.9	9.9	5.0	2.5	2.5	2.5	2.5	5.0	5.0	14.9	34.7
127.5°	7.4	7.4	5.0	2.5	2.5	2.5	2.5	5.0	5.0	12.4	27.3
130°	7.4	7.4	5.0	2.5	2.5	2.5	2.5	5.0	2.5	12.4	22.3
132.5°	7.4	7.4	5.0	2.5	2.5	2.5	2.5	2.5	2.5	7.4	17.3
135°	7.4	7.4	5.0	2.5	2.5	2.5	2.5	2.5	2.5	5.0	12.4
137.5°	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0
140°	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	5.0	5.0	5.0	2.5	2.5	2.5	2.5	2.5
150°	5.0	5.0	9.9	7.4	5.0	2.5	2.5	2.5	2.5	2.5	2.5
152.5°	9.9	9.9	9.9	7.4	2.5	2.5	5.0	7.4	2.5	2.5	2.5
155°	7.4	7.4	7.4	2.5	2.5	2.5	2.5	2.5	5.0	7.4	7.4
157.5°	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
160°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
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°	1677.3	1677.3	1677.3	1677.3	1677.3	1677.3	1677.3	1677.3	1677.3	1677.3	1677.3
2.5°	1667.4	1672.4	1667.4	1662.5	1657.5	1642.7	1541.1	1417.2	1407.3	1417.2	1412.2
5°	1625.3	1625.3	1622.8	1451.9	1350.3	1320.6	1313.1	1305.7	1290.8	1283.4	1288.4
7.5°	1402.3	1394.9	1308.2	1154.6	1251.2	1216.5	1196.7	1186.8	1038.1	983.6	988.6
10°	1171.9	1171.9	973.7	919.2	914.2	929.1	1030.7	1023.3	1003.4	991.0	1003.4
12.5°	1010.9	1053.0	773.0	827.5	671.4	743.3	812.7	862.2	711.1	669.0	676.4
15°	1072.8	1057.9	849.8	649.1	592.1	624.4	500.5	626.8	616.9	597.1	594.6
17.5°	936.5	859.7	708.6	609.5	584.7	441.0	428.6	443.5	406.3	371.6	389.0
20°	1018.3	976.2	750.7	542.6	450.9	401.4	302.3	282.4	359.3	376.6	374.1
22.5°	849.8	708.6	614.4	540.1	364.2	287.4	227.9	250.2	267.6	284.9	292.4
25°	998.5	921.7	671.4	403.9	294.8	210.6	205.6	185.8	280.0	319.6	317.1
27.5°	1152.1	1043.1	646.7	379.1	213.1	180.9	166.0	188.3	195.7	220.5	235.4
30°	1288.4	1157.0	748.2	351.8	178.4	136.3	148.7	153.6	190.8	205.6	205.6
32.5°	1283.4	1124.8	669.0	299.8	146.2	123.9	123.9	146.2	168.5	203.2	205.6
35°	1280.9	1100.1	597.1	232.9	128.8	109.0	114.0	138.7	168.5	188.3	190.8
37.5°	1310.7	1092.6	525.3	188.3	116.4	104.1	109.0	131.3	180.9	200.7	200.7
40°	1355.3	1097.6	453.4	161.0	111.5	101.6	104.1	138.7	163.5	180.9	180.9
42.5°	1491.5	1169.4	391.5	148.7	111.5	99.1	99.1	128.8	166.0	195.7	198.2
45°	1593.1	1226.4	344.4	148.7	109.0	94.1	104.1	128.8	146.2	215.6	230.4
47.5°	1756.6	1330.5	299.8	148.7	109.0	91.7	96.6	126.4	153.6	247.8	257.7
50°	1920.2	1434.5	280.0	148.7	109.0	89.2	109.0	121.4	153.6	257.7	265.1
52.5°	2093.6	1563.4	267.6	148.7	109.0	94.1	118.9	146.2	166.0	230.4	227.9
55°	2272.0	1677.3	260.1	153.6	109.0	94.1	128.8	136.3	141.2	178.4	183.3
57.5°	2438.0	1816.1	275.0	153.6	106.5	99.1	121.4	133.8	123.9	156.1	158.6
60°	2569.3	1942.5	312.2	148.7	104.1	99.1	123.9	146.2	138.7	171.0	175.9
62.5°	2720.4	2076.2	398.9	151.1	104.1	101.6	138.7	158.6	141.2	168.5	178.4
65°	2918.6	2279.4	495.5	166.0	106.5	106.5	141.2	171.0	141.2	166.0	166.0
67.5°	3141.6	2467.7	495.5	193.3	114.0	114.0	141.2	180.9	151.1	166.0	166.0
70°	3305.1	2477.6	408.8	213.1	123.9	121.4	146.2	188.3	153.6	183.3	180.9
72.5°	3124.3	2207.6	339.4	210.6	133.8	126.4	166.0	193.3	156.1	208.1	205.6
75°	2742.7	1821.0	294.8	188.3	121.4	128.8	173.4	198.2	158.6	218.0	213.1
77.5°	2163.0	1328.0	250.2	158.6	106.5	123.9	178.4	203.2	163.5	230.4	227.9
80°	1048.0	666.5	203.2	133.8	96.6	118.9	178.4	200.7	161.0	237.9	237.9
82.5°	473.2	332.0	138.7	91.7	96.6	121.4	183.3	203.2	161.0	232.9	230.4
85°	307.2	227.9	89.2	71.9	96.6	138.7	185.8	193.3	153.6	215.6	215.6
87.5°	230.4	158.6	47.1	44.6	106.5	151.1	185.8	178.4	148.7	203.2	198.2
90°	235.4	168.5	49.6	44.6	114.0	153.6	185.8	175.9	143.7	183.3	183.3
92.5°	255.2	185.8	57.0	49.6	116.4	138.7	175.9	158.6	133.8	158.6	156.1
95°	277.5	208.1	66.9	57.0	101.6	101.6	138.7	128.8	114.0	121.4	121.4
97.5°	203.2	148.7	59.5	61.9	76.8	64.4	91.7	86.7	59.5	54.5	52.0
100°	59.5	49.6	54.5	59.5	54.5	47.1	69.4	66.9	39.6	19.8	19.8
102.5°	22.3	24.8	49.6	54.5	42.1	34.7	49.6	54.5	32.2	5.0	7.4
105°	19.8	17.3	34.7	42.1	24.8	19.8	24.8	34.7	19.8	5.0	5.0
107.5°	22.3	17.3	17.3	22.3	9.9	9.9	9.9	12.4	7.4	5.0	5.0



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CATALOG NUMBER: SDL-PA1-60-730-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.3	17.3	9.9	9.9	7.4	7.4	5.0	5.0	7.4	12.4	12.4
115°	24.8	19.8	9.9	7.4	5.0	7.4	5.0	2.5	7.4	17.3	17.3
117.5°	29.7	22.3	7.4	7.4	5.0	5.0	5.0	2.5	7.4	22.3	24.8
120°	37.2	27.3	9.9	5.0	5.0	5.0	5.0	2.5	9.9	24.8	27.3
122.5°	37.2	29.7	9.9	5.0	5.0	2.5	2.5	5.0	9.9	24.8	27.3
125°	34.7	27.3	9.9	5.0	5.0	2.5	2.5	2.5	12.4	24.8	27.3
127.5°	27.3	24.8	9.9	5.0	2.5	2.5	2.5	5.0	9.9	22.3	22.3
130°	22.3	19.8	7.4	5.0	2.5	2.5	2.5	2.5	9.9	17.3	19.8
132.5°	17.3	14.9	7.4	5.0	2.5	2.5	2.5	2.5	9.9	17.3	17.3
135°	12.4	12.4	5.0	2.5	2.5	2.5	2.5	2.5	7.4	12.4	14.9
137.5°	5.0	5.0	5.0	2.5	2.5	2.5	2.5	2.5	5.0	7.4	7.4
140°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	5.0	5.0
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	5.0
145°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
150°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
152.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	5.0	5.0
155°	7.4	7.4	7.4	5.0	2.5	0.0	0.0	0.0	2.5	2.5	5.0
157.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	2.5	2.5	2.5
160°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	2.5	2.5	2.5
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°	22.3	22.3	5.0	5.0	5.0	7.4	5.0	5.0	7.4	9.9	24.8
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110°	22.3	17.3	9.9	9.9	7.4	7.4	7.4	5.0	5.0	5.0	5.0
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