

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: P559806

Luminaire Tested: **SDL-PA1-100-727-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559806
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-14)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-727-U-SL3-HSS
Description: Springdale
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7206 lumens
Efficiency: N/A
Efficacy: 76.8 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 - U0 - G2

Input Watts (W): 93.8
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

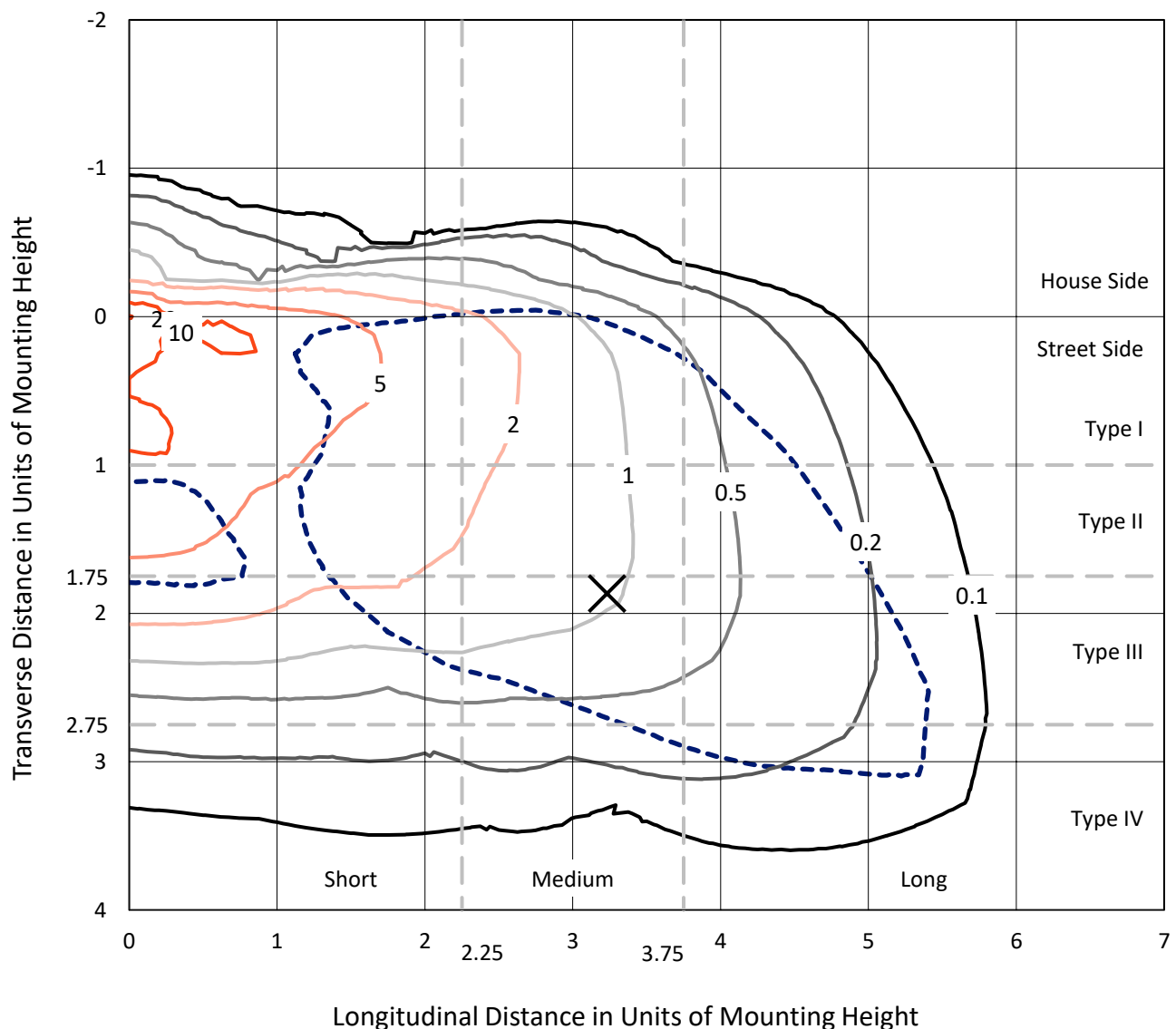


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

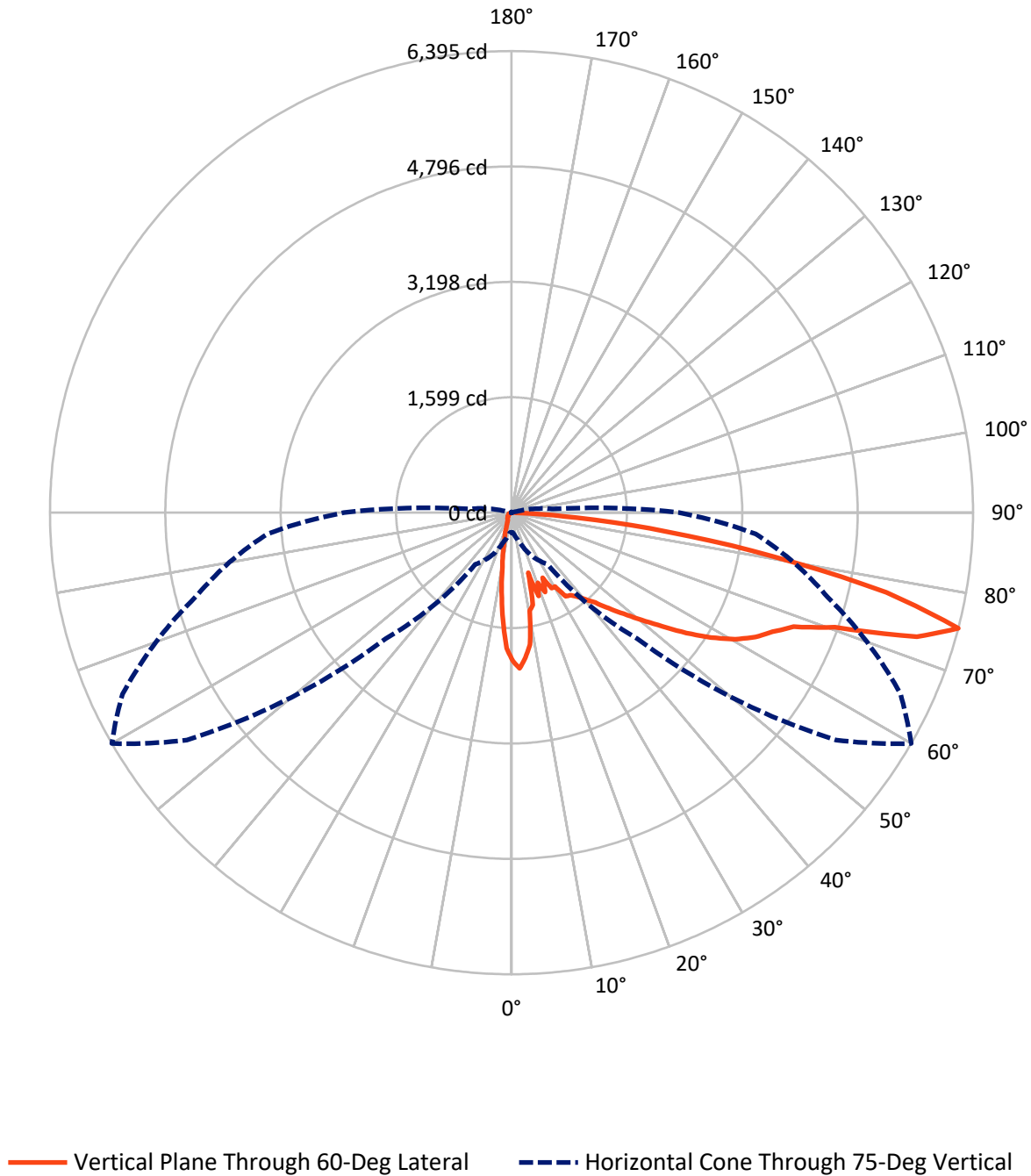


Based on 10 foot mounting height. Maximum calculated value = 20.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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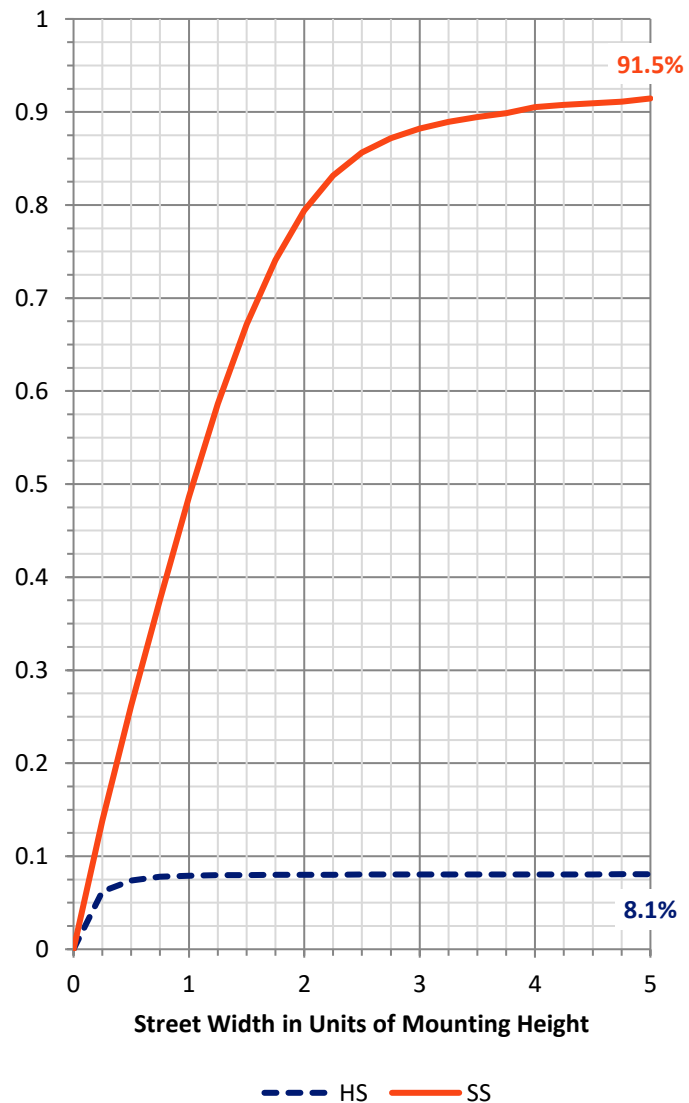
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	587.1	0.0	587.1
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	6619.0	0.0	6619.0
	% Fixture	91.9	0.0	91.9
Total	Lumens	7206.0	0.0	7206.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.0	2.0
10°-20°	235.8	3.3
20°-30°	337.8	4.7
30°-40°	601.4	8.3
40°-50°	989.9	13.7
50°-60°	1526.4	21.2
60°-70°	1778.9	24.7
70°-80°	1378.5	19.1
80°-90°	215.2	3.0
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°	7206.0	100.0
0°-180°	7206.0	100.0

Coefficient of Utilization



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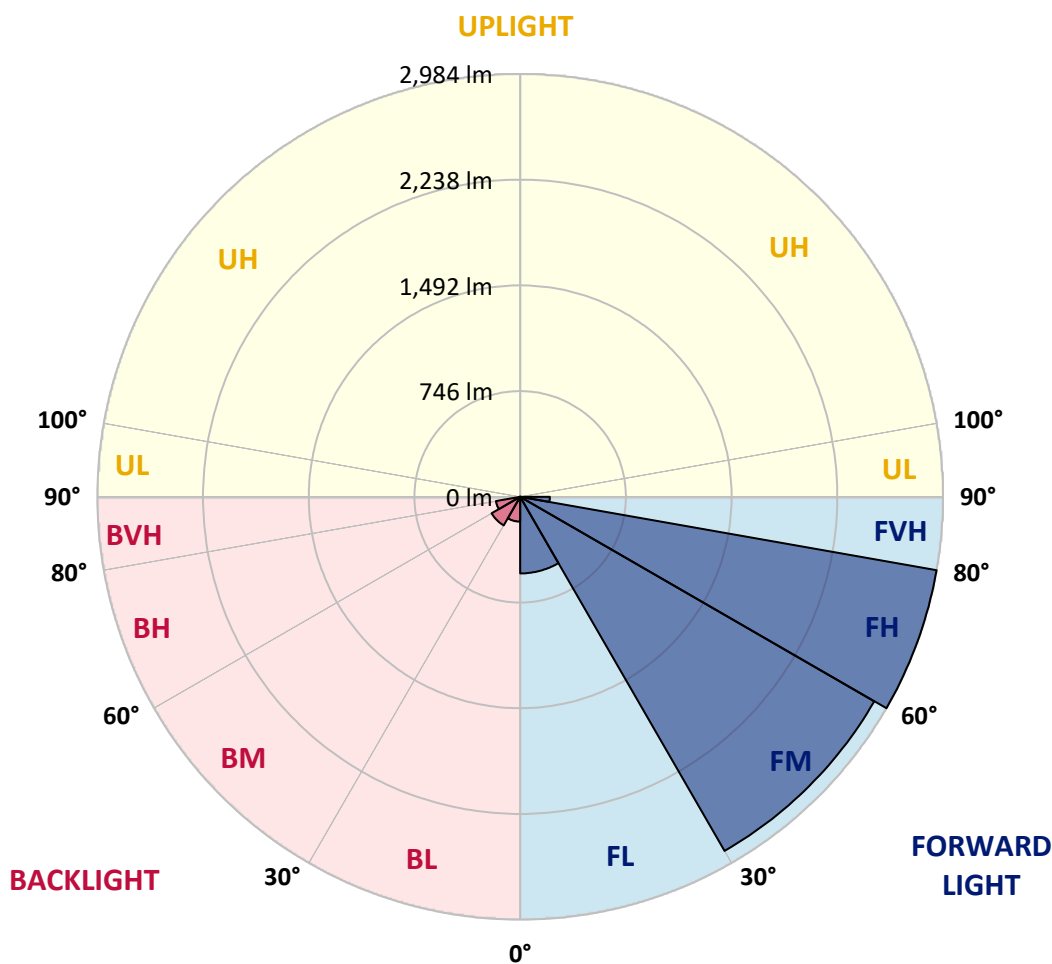
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	540.6	7.5			
FM	(30°-60°)	2885.3	40.0			
FH	(60°-80°)	2983.8	41.4			G2/5000
FVH	(80°-90°)	209.3	2.9			G2/225
BL	(0°-30°)	175.0	2.4	B1/500		
BM	(30°-60°)	232.4	3.2	B1/1000		
BH	(60°-80°)	173.7	2.4	B1/500		G1/500
BVH	(80°-90°)	5.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2053.4	2053.4	2053.4	2053.4	2053.4	2053.4	2053.4	2053.4	2053.4	2053.4	2053.4
2.5°	1918.8	1990.8	2034.6	2075.3	2128.5	2181.7	2184.9	2188.0	2188.0	2188.0	2184.9
5°	1853.1	1859.3	1859.3	1859.3	1868.7	1878.1	1884.4	1887.5	1890.6	1890.6	1887.5
7.5°	1449.3	1565.1	1637.1	1706.0	1724.7	1743.5	1768.6	1790.5	1809.3	1824.9	1837.4
10°	1605.8	1618.3	1618.3	1615.2	1630.8	1643.4	1521.3	1396.1	1446.2	1496.2	1433.6
12.5°	1239.6	1302.2	1380.4	1455.5	1505.6	1555.7	1499.4	1443.0	1355.4	1264.6	1258.3
15°	1449.3	1458.7	1461.8	1464.9	1380.4	1292.8	1189.5	1083.0	1155.0	1227.0	1123.7
17.5°	1114.4	1123.7	1211.4	1299.0	1308.4	1317.8	1252.1	1183.2	1033.0	882.7	1023.6
20°	1333.5	1339.7	1339.7	1339.7	1173.8	1007.9	1020.4	1029.8	1076.8	1123.7	1089.3
22.5°	1073.7	1061.1	1067.4	1070.5	1120.6	1167.6	1070.5	970.4	1042.4	1111.2	1051.7
25°	1342.9	1346.0	1327.2	1305.3	1158.2	1007.9	1061.1	1111.2	1026.7	939.1	1023.6
27.5°	1214.5	1202.0	1158.2	1114.4	1136.3	1158.2	1058.0	954.7	1036.1	1114.4	1076.8
30°	1599.5	1593.3	1536.9	1477.5	1302.2	1123.7	1105.0	1083.0	1036.1	986.0	1051.7
32.5°	2134.8	2059.7	1849.9	1637.1	1527.5	1414.8	1277.1	1139.4	1155.0	1167.6	1177.0
35°	2253.7	2219.3	2128.5	2037.8	1868.7	1696.6	1508.8	1317.8	1274.0	1230.2	1255.2
37.5°	2285.0	2272.5	2260.0	2244.4	2044.0	1843.7	1655.9	1464.9	1430.5	1392.9	1364.8
40°	2316.3	2328.9	2366.4	2400.9	2213.1	2025.2	1849.9	1671.5	1630.8	1590.1	1518.1
42.5°	2441.6	2450.9	2507.3	2563.6	2382.1	2197.4	2044.0	1890.6	1831.2	1771.7	1706.0
45°	2707.6	2717.0	2748.3	2779.6	2610.6	2438.4	2269.4	2097.2	2050.3	2000.2	1925.1
47.5°	3077.0	3086.4	3070.7	3055.1	2861.0	2663.8	2463.5	2263.1	2247.5	2231.8	2153.6
50°	3499.6	3487.0	3402.5	3318.0	3105.2	2892.3	2657.5	2419.6	2432.2	2444.7	2388.3
52.5°	3693.6	3687.4	3590.3	3493.3	3274.2	3051.9	2807.8	2560.5	2604.3	2645.0	2613.7
55°	3681.1	3678.0	3612.2	3546.5	3339.9	3133.3	2904.8	2676.3	2776.5	2873.5	2854.7
57.5°	3543.4	3549.6	3540.3	3530.9	3349.3	3167.8	2983.1	2798.4	2948.6	3095.8	3120.8
60°	3327.4	3327.4	3374.4	3418.2	3311.8	3202.2	3048.8	2892.3	3098.9	3305.5	3368.1
62.5°	2876.7	2926.7	3026.9	3127.1	3161.5	3195.9	3070.7	2945.5	3230.4	3515.2	3606.0
65°	2216.2	2238.1	2419.6	2601.2	2770.2	2936.1	2945.5	2954.9	3390.0	3822.0	3853.3
67.5°	1286.5	1377.3	1577.6	1774.8	2106.6	2435.3	2604.3	2773.4	3458.9	4141.3	4175.7
70°	676.1	713.7	810.7	904.6	1202.0	1496.2	1915.7	2332.0	3299.2	4263.3	4563.8
72.5°	463.3	497.7	550.9	604.1	716.8	826.4	1126.9	1424.2	2626.2	3828.2	4761.0
75°	272.3	281.7	347.5	413.2	535.3	657.3	766.9	873.3	1671.5	2466.6	3978.5
77.5°	109.6	118.9	147.1	175.3	347.5	516.5	629.2	741.9	932.8	1123.7	2732.7
80°	59.5	59.5	72.0	81.4	156.5	228.5	422.6	616.6	710.6	804.5	1771.7
82.5°	34.4	34.4	43.8	50.1	78.3	106.4	241.0	375.6	554.0	729.3	1195.7
85°	12.5	12.5	15.7	18.8	37.6	53.2	87.6	118.9	344.3	566.6	688.6
87.5°	3.1	3.1	6.3	6.3	9.4	12.5	15.7	15.7	12.5	9.4	62.6
90°	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2053.4	2053.4	2053.4	2053.4	2053.4	2053.4	2053.4	2053.4	2053.4	2053.4	2053.4
2.5°	2178.6	2159.8	2147.3	2125.4	2103.5	2084.7	2062.8	2034.6	2012.7	1984.5	1956.4
5°	1884.4	2015.8	2150.4	2137.9	2122.3	2078.5	2034.6	1984.5	1937.6	1881.2	1824.9
7.5°	1846.8	1843.7	1715.3	1781.1	1843.7	1793.6	1743.5	1687.2	1624.6	1515.0	1405.5
10°	1371.0	1380.4	1377.3	1392.9	1408.6	1449.3	1486.8	1405.5	1327.2	1155.0	979.8
12.5°	1252.1	1311.6	1327.2	1220.8	1114.4	1158.2	1202.0	1120.6	1042.4	882.7	723.1
15°	1017.3	863.9	1083.0	1227.0	1367.9	1389.8	1408.6	1302.2	1177.0	957.8	735.6
17.5°	1161.3	1214.5	1151.9	1155.0	1155.0	1158.2	1161.3	1064.3	939.1	773.2	607.3
20°	1054.9	1039.2	1045.5	1148.8	1252.1	1320.9	1386.7	1239.6	1079.9	823.2	563.4
22.5°	992.3	1195.7	1283.4	1239.6	1195.7	1086.2	973.5	860.8	729.3	601.0	469.5
25°	1105.0	998.5	1067.4	1236.4	1405.5	1405.5	1405.5	1211.4	995.4	719.9	444.5
27.5°	1039.2	1186.3	1255.2	1389.8	1521.3	1577.6	1630.8	1383.5	1098.7	757.5	413.2
30°	1117.5	1186.3	1430.5	1699.7	1968.9	1921.9	1871.9	1555.7	1195.7	795.1	394.4
32.5°	1186.3	1380.4	1596.4	1799.9	2003.3	1950.1	1893.8	1543.2	1139.4	716.8	294.2
35°	1280.3	1405.5	1605.8	1853.1	2100.4	2019.0	1934.5	1549.4	1095.6	657.3	219.1
37.5°	1336.6	1474.3	1690.3	1950.1	2206.8	2106.6	2006.5	1577.6	1058.0	613.5	169.0
40°	1443.0	1580.8	1796.7	2069.1	2341.4	2225.6	2106.6	1627.7	1036.1	588.5	140.9
42.5°	1640.2	1702.8	1943.9	2231.8	2519.8	2397.7	2272.5	1734.1	1029.8	576.0	122.1
45°	1846.8	1887.5	2100.4	2422.8	2742.1	2616.8	2488.5	1865.6	1051.7	585.3	115.8
47.5°	2072.2	2094.1	2288.2	2688.8	3089.5	2917.3	2745.2	2047.2	1098.7	604.1	109.6
50°	2332.0	2332.0	2519.8	2951.8	3383.7	3205.3	3026.9	2260.0	1158.2	632.3	106.4
52.5°	2579.3	2613.7	2757.7	3199.1	3640.4	3474.5	3305.5	2494.8	1236.4	669.9	100.2
55°	2832.8	2942.4	2995.6	3446.3	3897.1	3706.2	3515.2	2666.9	1283.4	688.6	93.9
57.5°	3145.8	3261.7	3289.8	3671.7	4053.6	3868.9	3681.1	2814.0	1317.8	704.3	90.8
60°	3430.7	3562.2	3618.5	3900.2	4178.8	3987.9	3796.9	2942.4	1349.1	716.8	81.4
62.5°	3693.6	3793.8	3881.4	4063.0	4244.5	4066.1	3884.6	3055.1	1367.9	719.9	72.0
65°	3884.6	3975.4	4100.6	4203.9	4307.2	4172.6	4038.0	3249.1	1421.1	738.7	53.2
67.5°	4207.0	4216.4	4288.4	4372.9	4457.4	4385.4	4313.4	3518.3	1483.7	763.8	40.7
70°	4861.2	4754.8	4660.9	4745.4	4826.8	4726.6	4626.4	3596.6	1339.7	685.5	31.3
72.5°	5693.8	5872.3	5418.4	5243.1	5064.7	4695.3	4322.8	3095.8	951.6	488.3	25.0
75°	5490.4	6395.0	5947.4	5243.1	4538.8	3969.1	3396.3	2322.6	585.3	303.6	18.8
77.5°	4338.5	5308.8	5149.2	4423.0	3693.6	2992.5	2291.3	1427.4	206.6	112.7	18.8
80°	2738.9	3671.7	3534.0	2873.5	2209.9	1571.4	932.8	435.1	78.3	50.1	21.9
82.5°	1662.1	2188.0	1718.5	1076.8	435.1	306.8	178.4	93.9	25.0	21.9	18.8
85°	807.6	904.6	591.6	341.2	87.6	81.4	72.0	47.0	12.5	12.5	9.4
87.5°	112.7	81.4	50.1	34.4	15.7	15.7	15.7	9.4	9.4	9.4	6.3
90°	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2053.4	2053.4	2053.4	2053.4	2053.4	2053.4	2053.4	2053.4	2053.4	2053.4	2053.4
2.5°	1934.5	1909.4	1881.2	1853.1	1821.8	1790.5	1699.7	1605.8	1555.7	1502.5	1490.0
5°	1721.6	1618.3	1490.0	1358.5	1302.2	1245.8	1217.6	1186.3	1167.6	1145.7	1126.9
7.5°	1261.5	1114.4	1114.4	1111.2	1064.3	1017.3	964.1	907.8	873.3	838.9	748.1
10°	901.5	820.1	763.8	707.4	685.5	663.6	594.7	522.7	529.0	532.1	513.4
12.5°	698.0	669.9	566.6	463.3	428.8	394.4	372.5	350.6	319.3	288.0	266.1
15°	597.9	460.1	381.9	303.6	269.2	231.6	200.3	165.9	156.5	144.0	159.6
17.5°	491.4	372.5	297.4	222.2	172.2	122.1	128.3	134.6	147.1	159.6	165.9
20°	422.6	281.7	216.0	150.2	134.6	118.9	125.2	128.3	125.2	118.9	137.7
22.5°	344.3	219.1	165.9	109.6	112.7	115.8	106.4	97.0	115.8	134.6	134.6
25°	294.2	144.0	128.3	112.7	103.3	93.9	106.4	115.8	109.6	103.3	118.9
27.5°	269.2	125.2	109.6	93.9	97.0	100.2	97.0	90.8	100.2	109.6	106.4
30°	256.7	115.8	106.4	93.9	90.8	84.5	87.6	87.6	84.5	81.4	90.8
32.5°	206.6	118.9	103.3	84.5	81.4	75.1	72.0	68.9	72.0	75.1	78.3
35°	165.9	109.6	97.0	81.4	75.1	68.9	65.7	59.5	59.5	59.5	62.6
37.5°	134.6	100.2	87.6	72.0	65.7	59.5	56.3	50.1	50.1	50.1	50.1
40°	118.9	93.9	81.4	65.7	59.5	50.1	47.0	40.7	40.7	37.6	37.6
42.5°	103.3	84.5	72.0	56.3	50.1	43.8	37.6	31.3	31.3	28.2	28.2
45°	97.0	78.3	65.7	53.2	43.8	34.4	31.3	25.0	25.0	21.9	21.9
47.5°	93.9	75.1	62.6	47.0	37.6	28.2	25.0	18.8	18.8	18.8	18.8
50°	87.6	68.9	56.3	40.7	34.4	25.0	21.9	15.7	15.7	15.7	15.7
52.5°	84.5	65.7	50.1	34.4	28.2	18.8	15.7	12.5	12.5	12.5	12.5
55°	81.4	68.9	50.1	31.3	25.0	15.7	12.5	9.4	9.4	9.4	9.4
57.5°	78.3	65.7	47.0	25.0	18.8	12.5	9.4	6.3	6.3	6.3	6.3
60°	68.9	56.3	37.6	18.8	15.7	9.4	6.3	3.1	6.3	6.3	6.3
62.5°	59.5	43.8	31.3	15.7	12.5	6.3	6.3	3.1	6.3	6.3	6.3
65°	43.8	34.4	25.0	12.5	9.4	3.1	3.1	3.1	6.3	6.3	6.3
67.5°	34.4	25.0	18.8	9.4	6.3	3.1	3.1	3.1	6.3	6.3	6.3
70°	25.0	18.8	12.5	6.3	6.3	3.1	3.1	3.1	6.3	6.3	6.3
72.5°	18.8	12.5	9.4	6.3	6.3	3.1	6.3	6.3	6.3	6.3	6.3
75°	15.7	12.5	9.4	6.3	6.3	3.1	6.3	6.3	9.4	9.4	9.4
77.5°	15.7	9.4	9.4	6.3	6.3	3.1	6.3	9.4	9.4	9.4	9.4
80°	15.7	9.4	9.4	6.3	6.3	3.1	6.3	9.4	9.4	9.4	9.4
82.5°	15.7	9.4	9.4	6.3	6.3	3.1	6.3	9.4	9.4	9.4	9.4
85°	9.4	9.4	9.4	9.4	6.3	3.1	9.4	12.5	12.5	9.4	9.4
87.5°	6.3	6.3	9.4	9.4	6.3	3.1	9.4	12.5	12.5	9.4	9.4
90°	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-PA1-100-727-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	2053.4	2053.4	2053.4	2053.4
2.5°	1474.3	1458.7	1439.9	1477.5
5°	1108.1	1095.6	1083.0	1105.0
7.5°	657.3	660.5	660.5	626.0
10°	491.4	463.3	432.0	432.0
12.5°	244.2	225.4	206.6	203.5
15°	175.3	178.4	181.6	181.6
17.5°	172.2	165.9	156.5	150.2
20°	153.4	159.6	162.8	162.8
22.5°	134.6	131.5	125.2	125.2
25°	134.6	137.7	140.9	140.9
27.5°	103.3	103.3	100.2	100.2
30°	100.2	100.2	100.2	100.2
32.5°	78.3	81.4	81.4	81.4
35°	65.7	65.7	65.7	65.7
37.5°	50.1	50.1	50.1	47.0
40°	37.6	37.6	37.6	37.6
42.5°	28.2	28.2	28.2	28.2
45°	21.9	21.9	21.9	21.9
47.5°	18.8	18.8	15.7	15.7
50°	12.5	12.5	12.5	12.5
52.5°	9.4	9.4	9.4	9.4
55°	6.3	6.3	6.3	6.3
57.5°	6.3	6.3	6.3	6.3
60°	3.1	3.1	3.1	3.1
62.5°	3.1	3.1	3.1	3.1
65°	3.1	3.1	3.1	3.1
67.5°	3.1	3.1	3.1	3.1
70°	3.1	3.1	3.1	3.1
72.5°	6.3	6.3	3.1	3.1
75°	6.3	6.3	3.1	3.1
77.5°	6.3	6.3	3.1	3.1
80°	6.3	6.3	3.1	3.1
82.5°	6.3	6.3	3.1	3.1
85°	6.3	6.3	6.3	3.1
87.5°	6.3	6.3	6.3	3.1
90°	0.0	0.0	0.0	0.0

(END OF REPORT)