

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: P560884

Luminaire Tested: **SDL-PA1-70-730-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560884
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-PA1-70-730-U-SL3-HSS
Description: Springdale
(1) 70 CRI, 3000K, 930mA 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: 6463.3 lumens
Efficiency: N/A
Efficacy: 89.5 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): 72.2
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

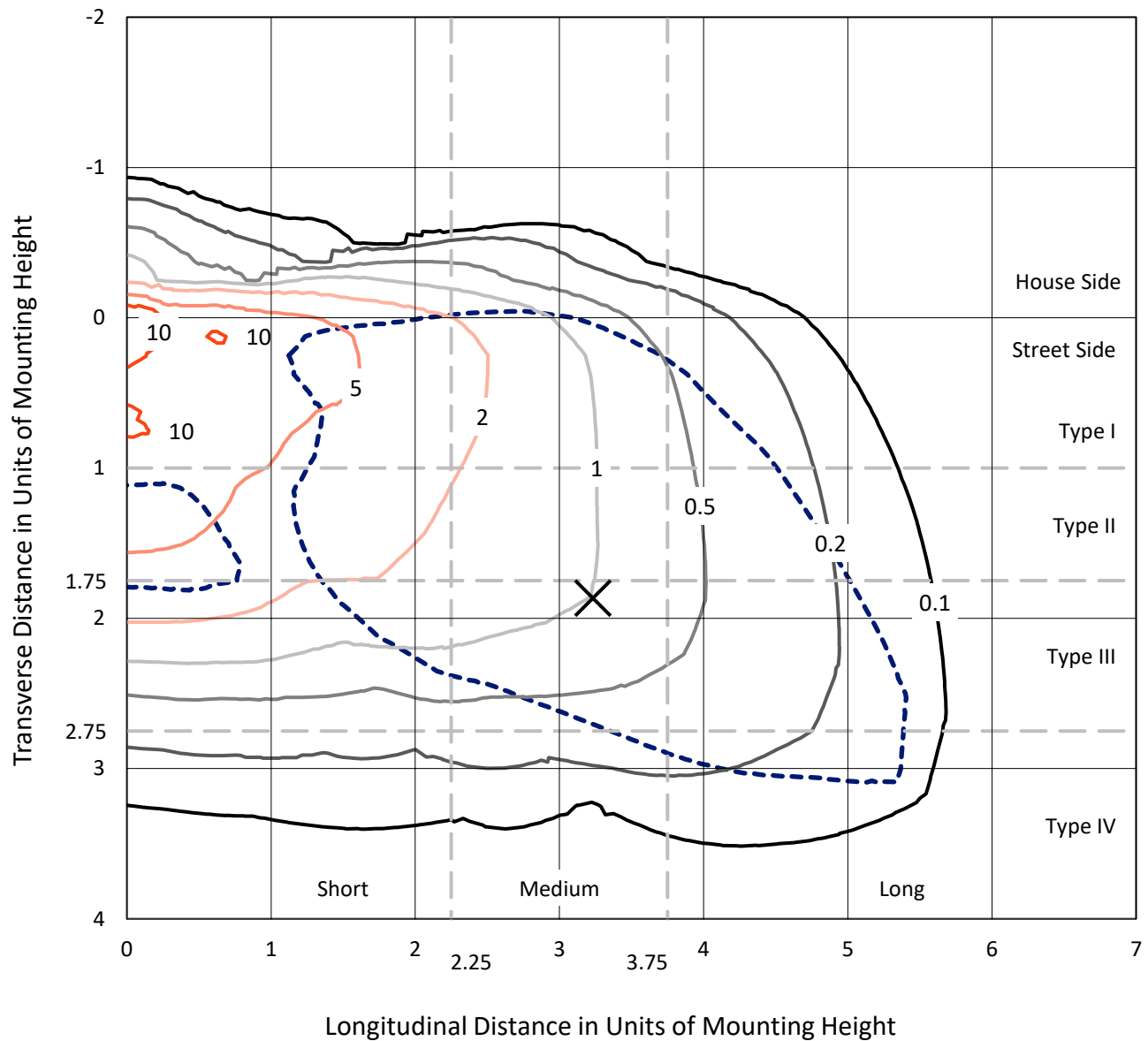


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

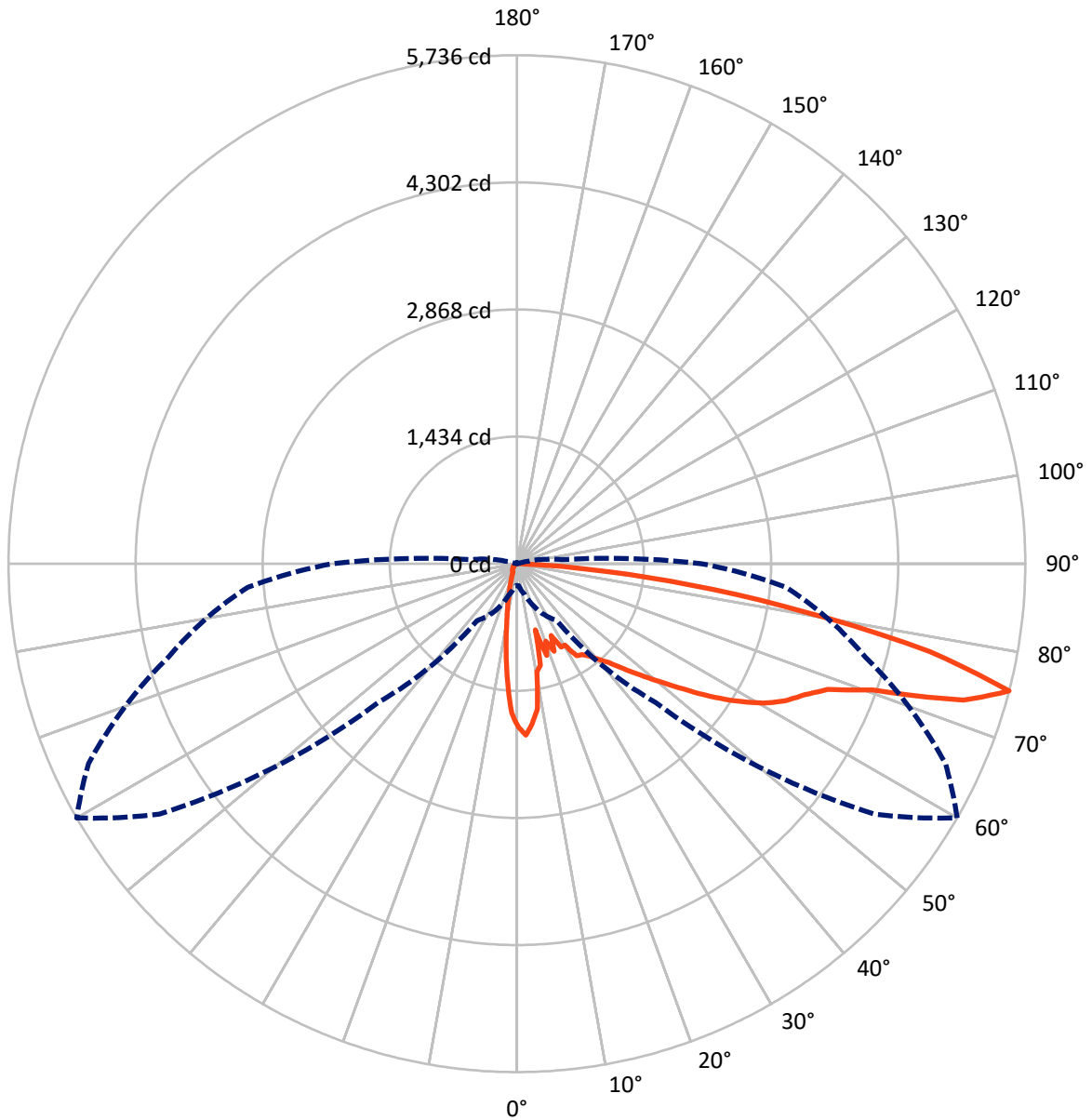


Based on 10 foot mounting height. Maximum calculated value = 18.4 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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

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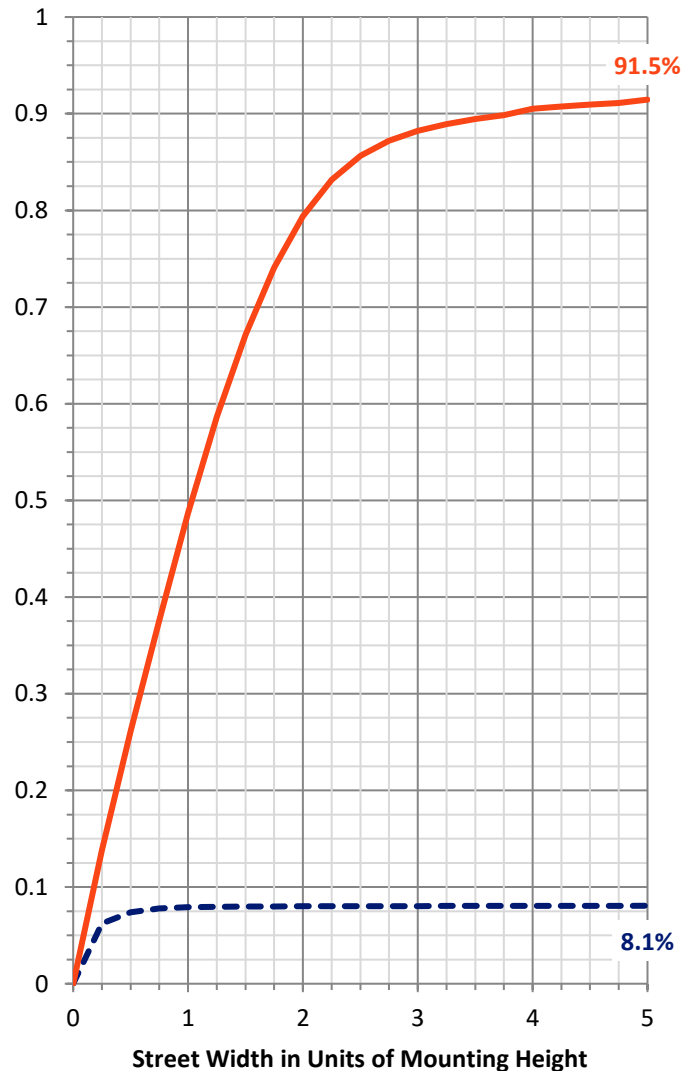
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	526.5	0.0	526.5
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	5936.8	0.0	5936.8
	% Fixture	91.9	0.0	91.9
Total	Lumens	6463.3	0.0	6463.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.4	2.0
10°-20°	211.5	3.3
20°-30°	303.0	4.7
30°-40°	539.4	8.3
40°-50°	887.9	13.7
50°-60°	1369.1	21.2
60°-70°	1595.5	24.7
70°-80°	1236.5	19.1
80°-90°	193.0	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°	6463.3	100.0
0°-180°	6463.3	100.0



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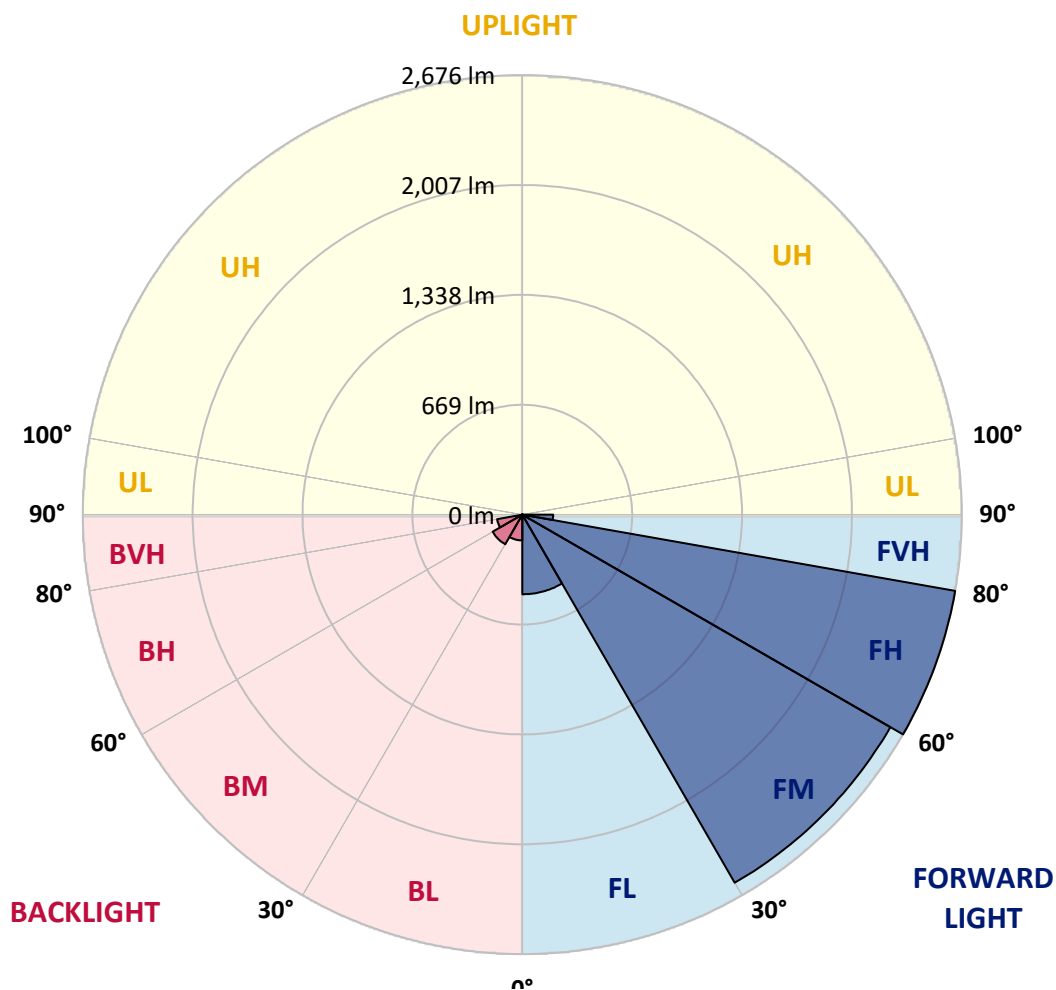
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	484.9	7.5			
FM	(30°-60°)	2587.9	40.0			
FH	(60°-80°)	2676.2	41.4			G2/5000
FVH	(80°-90°)	187.7	2.9			G2/225
BL	(0°-30°)	157.0	2.4	B1/500		
BM	(30°-60°)	208.5	3.2	B0/220		
BH	(60°-80°)	155.8	2.4	B1/500		G1/500
BVH	(80°-90°)	5.3	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°	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8
2.5°	1721.1	1785.6	1824.9	1861.4	1909.2	1956.9	1959.7	1962.5	1962.5	1962.5	1959.7
5°	1662.1	1667.7	1667.7	1667.7	1676.1	1684.6	1690.2	1693.0	1695.8	1695.8	1693.0
7.5°	1299.9	1403.8	1468.4	1530.1	1547.0	1563.8	1586.3	1605.9	1622.8	1636.8	1648.1
10°	1440.3	1451.5	1451.5	1448.7	1462.8	1474.0	1364.5	1252.2	1297.1	1342.0	1285.9
12.5°	1111.8	1168.0	1238.1	1305.5	1350.4	1395.4	1344.8	1294.3	1215.7	1134.3	1128.6
15°	1299.9	1308.3	1311.1	1314.0	1238.1	1159.5	1066.9	971.4	1036.0	1100.6	1007.9
17.5°	999.5	1007.9	1086.5	1165.1	1173.6	1182.0	1123.0	1061.3	926.5	791.7	918.1
20°	1196.0	1201.6	1201.6	1201.6	1052.8	904.0	915.3	923.7	965.8	1007.9	977.0
22.5°	963.0	951.8	957.4	960.2	1005.1	1047.2	960.2	870.4	934.9	996.7	943.3
25°	1204.5	1207.3	1190.4	1170.8	1038.8	904.0	951.8	996.7	920.9	842.3	918.1
27.5°	1089.3	1078.1	1038.8	999.5	1019.2	1038.8	949.0	856.3	929.3	999.5	965.8
30°	1434.7	1429.1	1378.5	1325.2	1168.0	1007.9	991.1	971.4	929.3	884.4	943.3
32.5°	1914.8	1847.4	1659.3	1468.4	1370.1	1269.0	1145.5	1022.0	1036.0	1047.2	1055.7
35°	2021.5	1990.6	1909.2	1827.7	1676.1	1521.7	1353.3	1182.0	1142.7	1103.4	1125.8
37.5°	2049.5	2038.3	2027.1	2013.0	1833.4	1653.7	1485.2	1314.0	1283.1	1249.4	1224.1
40°	2077.6	2088.8	2122.5	2153.4	1985.0	1816.5	1659.3	1499.3	1462.8	1426.3	1361.7
42.5°	2189.9	2198.3	2248.9	2299.4	2136.6	1970.9	1833.4	1695.8	1642.4	1589.1	1530.1
45°	2428.6	2437.0	2465.1	2493.1	2341.5	2187.1	2035.5	1881.1	1839.0	1794.0	1726.7
47.5°	2759.9	2768.3	2754.2	2740.2	2566.1	2389.3	2209.6	2029.9	2015.8	2001.8	1931.6
50°	3138.9	3127.7	3051.8	2976.0	2785.1	2594.2	2383.6	2170.3	2181.5	2192.7	2142.2
52.5°	3313.0	3307.3	3220.3	3133.3	2936.7	2737.4	2518.4	2296.6	2335.9	2372.4	2344.3
55°	3301.7	3298.9	3240.0	3181.0	2995.7	2810.4	2605.4	2400.5	2490.3	2577.4	2560.5
57.5°	3178.2	3183.8	3175.4	3167.0	3004.1	2841.3	2675.6	2510.0	2644.7	2776.7	2799.2
60°	2984.5	2984.5	3026.6	3065.9	2970.4	2872.2	2734.6	2594.2	2779.5	2964.8	3021.0
62.5°	2580.2	2625.1	2714.9	2804.8	2835.7	2866.5	2754.2	2641.9	2897.4	3152.9	3234.3
65°	1987.8	2007.4	2170.3	2333.1	2484.7	2633.5	2641.9	2650.4	3040.6	3428.1	3456.1
67.5°	1153.9	1235.3	1415.0	1591.9	1889.5	2184.3	2335.9	2487.5	3102.4	3714.4	3745.3
70°	606.4	640.1	727.2	811.4	1078.1	1342.0	1718.2	2091.7	2959.2	3823.9	4093.5
72.5°	415.5	446.4	494.1	541.9	642.9	741.2	1010.7	1277.5	2355.6	3433.7	4270.3
75°	244.3	252.7	311.6	370.6	480.1	589.6	687.9	783.3	1499.3	2212.4	3568.4
77.5°	98.3	106.7	132.0	157.2	311.6	463.3	564.3	665.4	836.7	1007.9	2451.0
80°	53.3	53.3	64.6	73.0	140.4	205.0	379.0	553.1	637.3	721.5	1589.1
82.5°	30.9	30.9	39.3	44.9	70.2	95.5	216.2	336.9	496.9	654.2	1072.5
85°	11.2	11.2	14.0	16.8	33.7	47.7	78.6	106.7	308.8	508.2	617.7
87.5°	2.8	2.8	5.6	5.6	8.4	11.2	14.0	14.0	11.2	8.4	56.2
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°	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8
2.5°	1954.1	1937.2	1926.0	1906.4	1886.7	1869.9	1850.2	1824.9	1805.3	1780.0	1754.7
5°	1690.2	1808.1	1928.8	1917.6	1903.5	1864.2	1824.9	1780.0	1737.9	1687.4	1636.8
7.5°	1656.5	1653.7	1538.6	1597.5	1653.7	1608.7	1563.8	1513.3	1457.1	1358.9	1260.6
10°	1229.7	1238.1	1235.3	1249.4	1263.4	1299.9	1333.6	1260.6	1190.4	1036.0	878.8
12.5°	1123.0	1176.4	1190.4	1095.0	999.5	1038.8	1078.1	1005.1	934.9	791.7	648.6
15°	912.5	774.9	971.4	1100.6	1226.9	1246.6	1263.4	1168.0	1055.7	859.1	659.8
17.5°	1041.6	1089.3	1033.2	1036.0	1036.0	1038.8	1041.6	954.6	842.3	693.5	544.7
20°	946.2	932.1	937.7	1030.4	1123.0	1184.8	1243.8	1111.8	968.6	738.4	505.4
22.5°	890.0	1072.5	1151.1	1111.8	1072.5	974.2	873.2	772.1	654.2	539.1	421.1
25°	991.1	895.6	957.4	1109.0	1260.6	1260.6	1260.6	1086.5	892.8	645.7	398.7
27.5°	932.1	1064.1	1125.8	1246.6	1364.5	1415.0	1462.8	1241.0	985.5	679.4	370.6
30°	1002.3	1064.1	1283.1	1524.5	1766.0	1723.9	1678.9	1395.4	1072.5	713.1	353.8
32.5°	1064.1	1238.1	1431.9	1614.4	1796.9	1749.1	1698.6	1384.1	1022.0	642.9	263.9
35°	1148.3	1260.6	1440.3	1662.1	1883.9	1810.9	1735.1	1389.8	982.7	589.6	196.5
37.5°	1198.8	1322.4	1516.1	1749.1	1979.3	1889.5	1799.7	1415.0	949.0	550.3	151.6
40°	1294.3	1417.8	1611.6	1855.8	2100.1	1996.2	1889.5	1459.9	929.3	527.8	126.3
42.5°	1471.2	1527.3	1743.5	2001.8	2260.1	2150.6	2038.3	1555.4	923.7	516.6	109.5
45°	1656.5	1693.0	1883.9	2173.1	2459.4	2347.1	2232.0	1673.3	943.3	525.0	103.9
47.5°	1858.6	1878.3	2052.3	2411.7	2771.1	2616.7	2462.3	1836.2	985.5	541.9	98.3
50°	2091.7	2091.7	2260.1	2647.6	3035.0	2875.0	2714.9	2027.1	1038.8	567.1	95.5
52.5°	2313.5	2344.3	2473.5	2869.4	3265.2	3116.4	2964.8	2237.6	1109.0	600.8	89.8
55°	2540.9	2639.1	2686.9	3091.2	3495.4	3324.2	3152.9	2392.1	1151.1	617.7	84.2
57.5°	2821.6	2925.5	2950.8	3293.3	3635.8	3470.2	3301.7	2524.0	1182.0	631.7	81.4
60°	3077.1	3195.0	3245.6	3498.3	3748.1	3576.9	3405.6	2639.1	1210.1	642.9	73.0
62.5°	3313.0	3402.8	3481.4	3644.2	3807.1	3647.1	3484.2	2740.2	1226.9	645.7	64.6
65°	3484.2	3565.6	3677.9	3770.6	3863.2	3742.5	3621.8	2914.3	1274.6	662.6	47.7
67.5°	3773.4	3781.8	3846.4	3922.2	3998.0	3933.4	3868.9	3155.7	1330.8	685.1	36.5
70°	4360.2	4264.7	4180.5	4256.3	4329.3	4239.5	4149.6	3225.9	1201.6	614.9	28.1
72.5°	5107.0	5267.0	4859.9	4702.7	4542.7	4211.4	3877.3	2776.7	853.5	438.0	22.5
75°	4924.5	5735.9	5334.4	4702.7	4071.0	3560.0	3046.2	2083.2	525.0	272.3	16.8
77.5°	3891.3	4761.7	4618.5	3967.1	3313.0	2684.1	2055.2	1280.3	185.3	101.1	16.8
80°	2456.6	3293.3	3169.8	2577.4	1982.2	1409.4	836.7	390.3	70.2	44.9	19.7
82.5°	1490.8	1962.5	1541.4	965.8	390.3	275.1	160.0	84.2	22.5	19.7	16.8
85°	724.4	811.4	530.6	306.0	78.6	73.0	64.6	42.1	11.2	11.2	8.4
87.5°	101.1	73.0	44.9	30.9	14.0	14.0	14.0	8.4	8.4	8.4	5.6
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8
2.5°	1735.1	1712.6	1687.4	1662.1	1634.0	1605.9	1524.5	1440.3	1395.4	1347.6	1336.4
5°	1544.2	1451.5	1336.4	1218.5	1168.0	1117.4	1092.2	1064.1	1047.2	1027.6	1010.7
7.5°	1131.5	999.5	999.5	996.7	954.6	912.5	864.7	814.2	783.3	752.4	671.0
10°	808.6	735.6	685.1	634.5	614.9	595.2	533.4	468.9	474.5	477.3	460.4
12.5°	626.1	600.8	508.2	415.5	384.6	353.8	334.1	314.4	286.4	258.3	238.6
15°	536.2	412.7	342.5	272.3	241.5	207.8	179.7	148.8	140.4	129.1	143.2
17.5°	440.8	334.1	266.7	199.3	154.4	109.5	115.1	120.7	132.0	143.2	148.8
20°	379.0	252.7	193.7	134.8	120.7	106.7	112.3	115.1	112.3	106.7	123.5
22.5°	308.8	196.5	148.8	98.3	101.1	103.9	95.5	87.0	103.9	120.7	120.7
25°	263.9	129.1	115.1	101.1	92.7	84.2	95.5	103.9	98.3	92.7	106.7
27.5°	241.5	112.3	98.3	84.2	87.0	89.8	87.0	81.4	89.8	98.3	95.5
30°	230.2	103.9	95.5	84.2	81.4	75.8	78.6	78.6	75.8	73.0	81.4
32.5°	185.3	106.7	92.7	75.8	73.0	67.4	64.6	61.8	64.6	67.4	70.2
35°	148.8	98.3	87.0	73.0	67.4	61.8	59.0	53.3	53.3	53.3	56.2
37.5°	120.7	89.8	78.6	64.6	59.0	53.3	50.5	44.9	44.9	44.9	44.9
40°	106.7	84.2	73.0	59.0	53.3	44.9	42.1	36.5	36.5	33.7	33.7
42.5°	92.7	75.8	64.6	50.5	44.9	39.3	33.7	28.1	28.1	25.3	25.3
45°	87.0	70.2	59.0	47.7	39.3	30.9	28.1	22.5	22.5	19.7	19.7
47.5°	84.2	67.4	56.2	42.1	33.7	25.3	22.5	16.8	16.8	16.8	16.8
50°	78.6	61.8	50.5	36.5	30.9	22.5	19.7	14.0	14.0	14.0	14.0
52.5°	75.8	59.0	44.9	30.9	25.3	16.8	14.0	11.2	11.2	11.2	11.2
55°	73.0	61.8	44.9	28.1	22.5	14.0	11.2	8.4	8.4	8.4	8.4
57.5°	70.2	59.0	42.1	22.5	16.8	11.2	8.4	5.6	5.6	5.6	5.6
60°	61.8	50.5	33.7	16.8	14.0	8.4	5.6	2.8	5.6	5.6	5.6
62.5°	53.3	39.3	28.1	14.0	11.2	5.6	5.6	2.8	5.6	5.6	5.6
65°	39.3	30.9	22.5	11.2	8.4	2.8	2.8	2.8	5.6	5.6	5.6
67.5°	30.9	22.5	16.8	8.4	5.6	2.8	2.8	2.8	5.6	5.6	5.6
70°	22.5	16.8	11.2	5.6	5.6	2.8	2.8	2.8	5.6	5.6	5.6
72.5°	16.8	11.2	8.4	5.6	5.6	2.8	5.6	5.6	5.6	5.6	5.6
75°	14.0	11.2	8.4	5.6	5.6	2.8	5.6	5.6	8.4	8.4	8.4
77.5°	14.0	8.4	8.4	5.6	5.6	2.8	5.6	8.4	8.4	8.4	8.4
80°	14.0	8.4	8.4	5.6	5.6	2.8	5.6	8.4	8.4	8.4	8.4
82.5°	14.0	8.4	8.4	5.6	5.6	2.8	5.6	8.4	8.4	8.4	8.4
85°	8.4	8.4	8.4	8.4	5.6	2.8	8.4	11.2	11.2	8.4	8.4
87.5°	5.6	5.6	8.4	8.4	5.6	2.8	8.4	11.2	11.2	8.4	8.4
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-PA1-70-730-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1841.8	1841.8	1841.8	1841.8
2.5°	1322.4	1308.3	1291.5	1325.2
5°	993.9	982.7	971.4	991.1
7.5°	589.6	592.4	592.4	561.5
10°	440.8	415.5	387.4	387.4
12.5°	219.0	202.1	185.3	182.5
15°	157.2	160.0	162.8	162.8
17.5°	154.4	148.8	140.4	134.8
20°	137.6	143.2	146.0	146.0
22.5°	120.7	117.9	112.3	112.3
25°	120.7	123.5	126.3	126.3
27.5°	92.7	92.7	89.8	89.8
30°	89.8	89.8	89.8	89.8
32.5°	70.2	73.0	73.0	73.0
35°	59.0	59.0	59.0	59.0
37.5°	44.9	44.9	44.9	42.1
40°	33.7	33.7	33.7	33.7
42.5°	25.3	25.3	25.3	25.3
45°	19.7	19.7	19.7	19.7
47.5°	16.8	16.8	14.0	14.0
50°	11.2	11.2	11.2	11.2
52.5°	8.4	8.4	8.4	8.4
55°	5.6	5.6	5.6	5.6
57.5°	5.6	5.6	5.6	5.6
60°	2.8	2.8	2.8	2.8
62.5°	2.8	2.8	2.8	2.8
65°	2.8	2.8	2.8	2.8
67.5°	2.8	2.8	2.8	2.8
70°	2.8	2.8	2.8	2.8
72.5°	5.6	5.6	2.8	2.8
75°	5.6	5.6	2.8	2.8
77.5°	5.6	5.6	2.8	2.8
80°	5.6	5.6	2.8	2.8
82.5°	5.6	5.6	2.8	2.8
85°	5.6	5.6	5.6	2.8
87.5°	5.6	5.6	5.6	2.8
90°	0.0	0.0	0.0	0.0



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