

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: P559828

Luminaire Tested: **SDL-PA1-100-730-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559828
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-PA1-100-730-U-SL3-HSS
Description: Springdale
(1) 70 CRI, 3000K, 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: 7847.1 lumens
Efficiency: N/A
Efficacy: 83.7 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 - G3

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

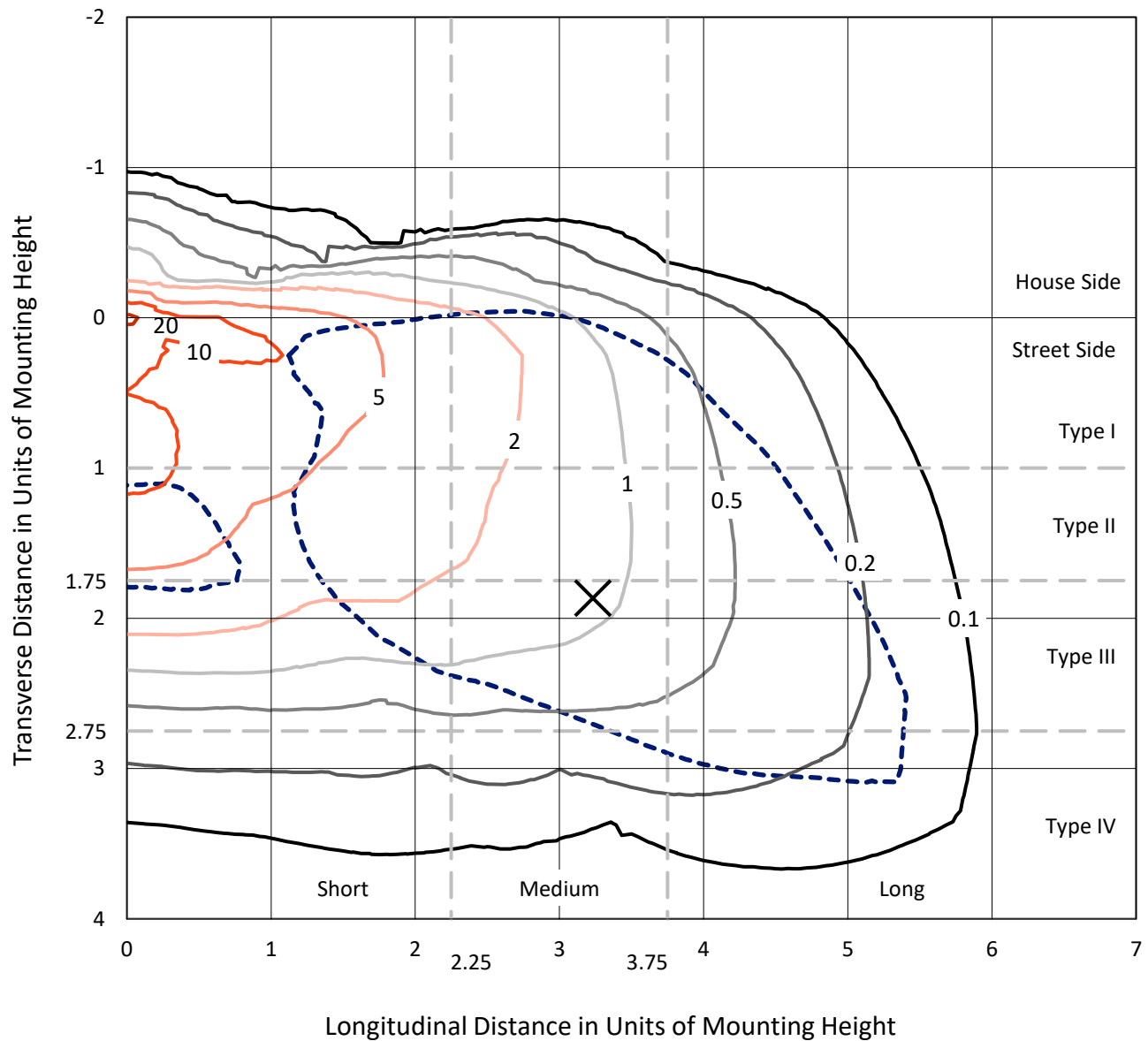


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Iso-Footcandle Lines of Horizontal Illumination

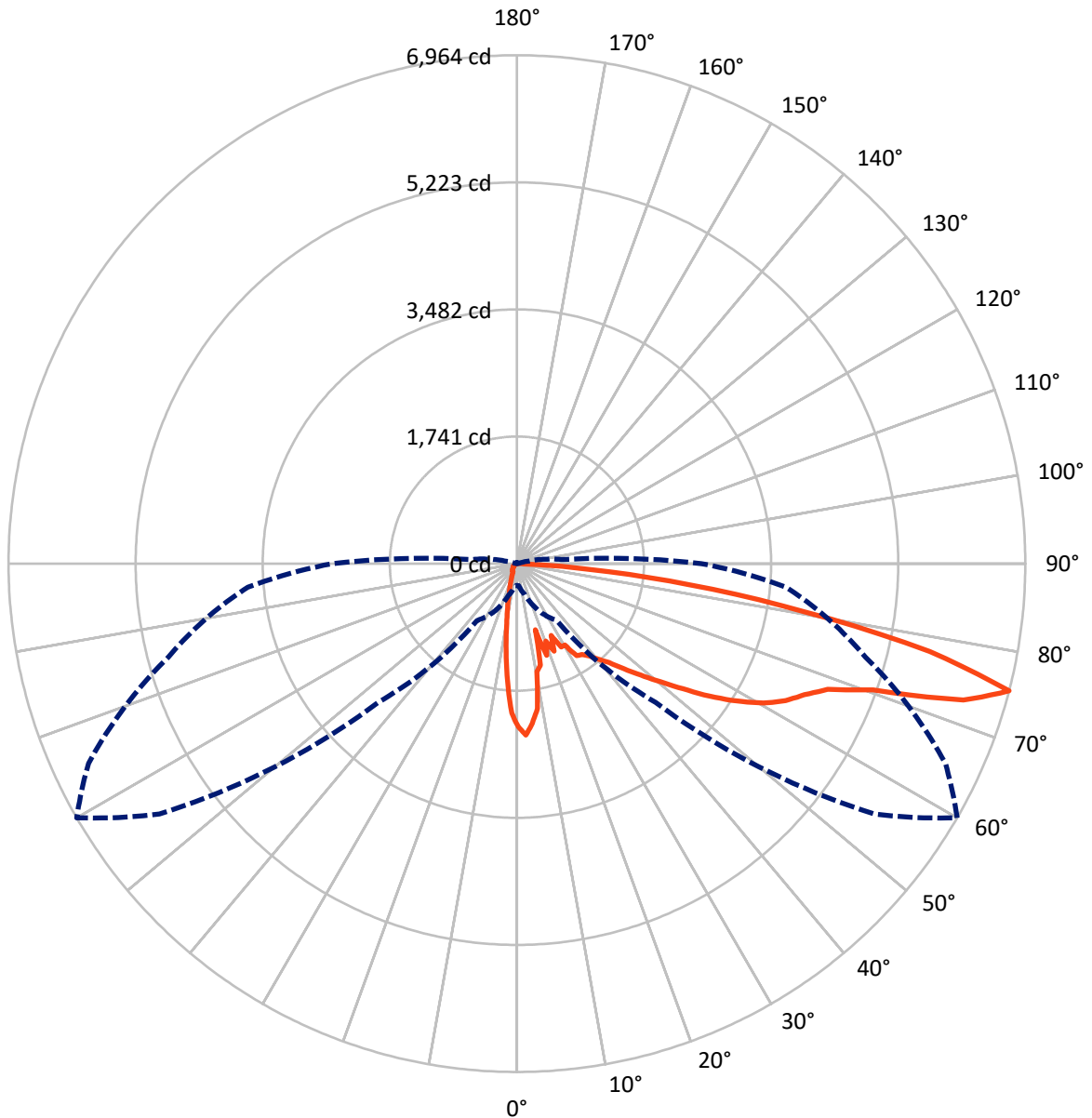
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.4 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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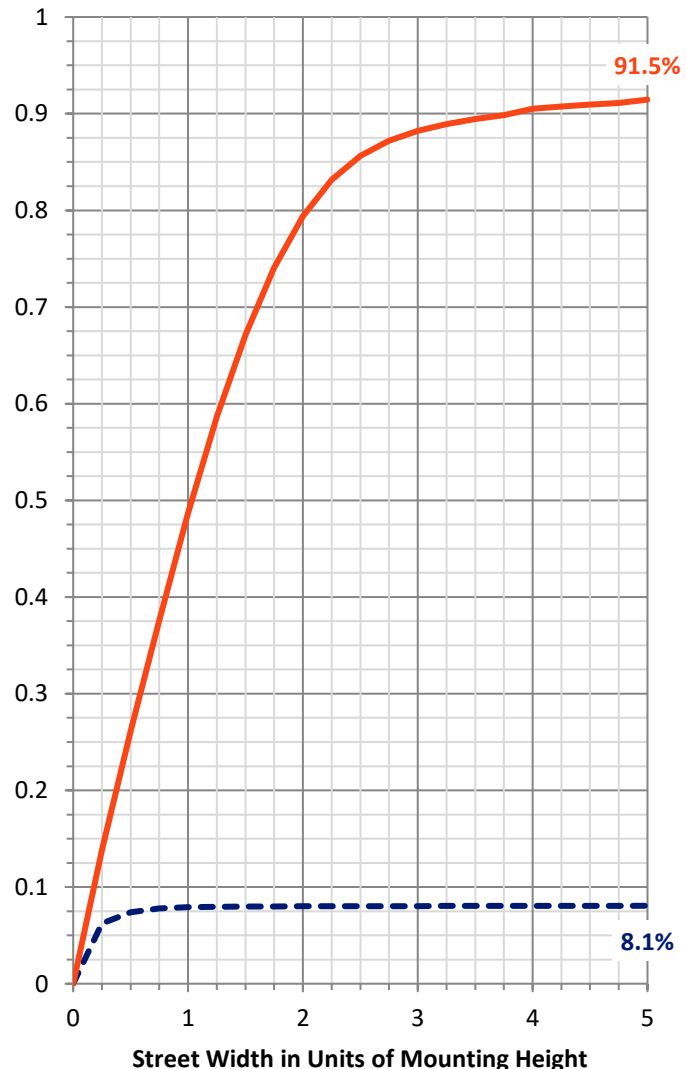
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	639.2	0.0	639.2
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	7207.8	0.0	7207.8
	% Fixture	91.9	0.0	91.9
Total	Lumens	7847.1	0.0	7847.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.7	2.0
10°-20°	256.7	3.3
20°-30°	367.8	4.7
30°-40°	654.9	8.3
40°-50°	1078.0	13.7
50°-60°	1662.2	21.2
60°-70°	1937.2	24.7
70°-80°	1501.2	19.1
80°-90°	234.4	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°	7847.1	100.0
0°-180°	7847.1	100.0



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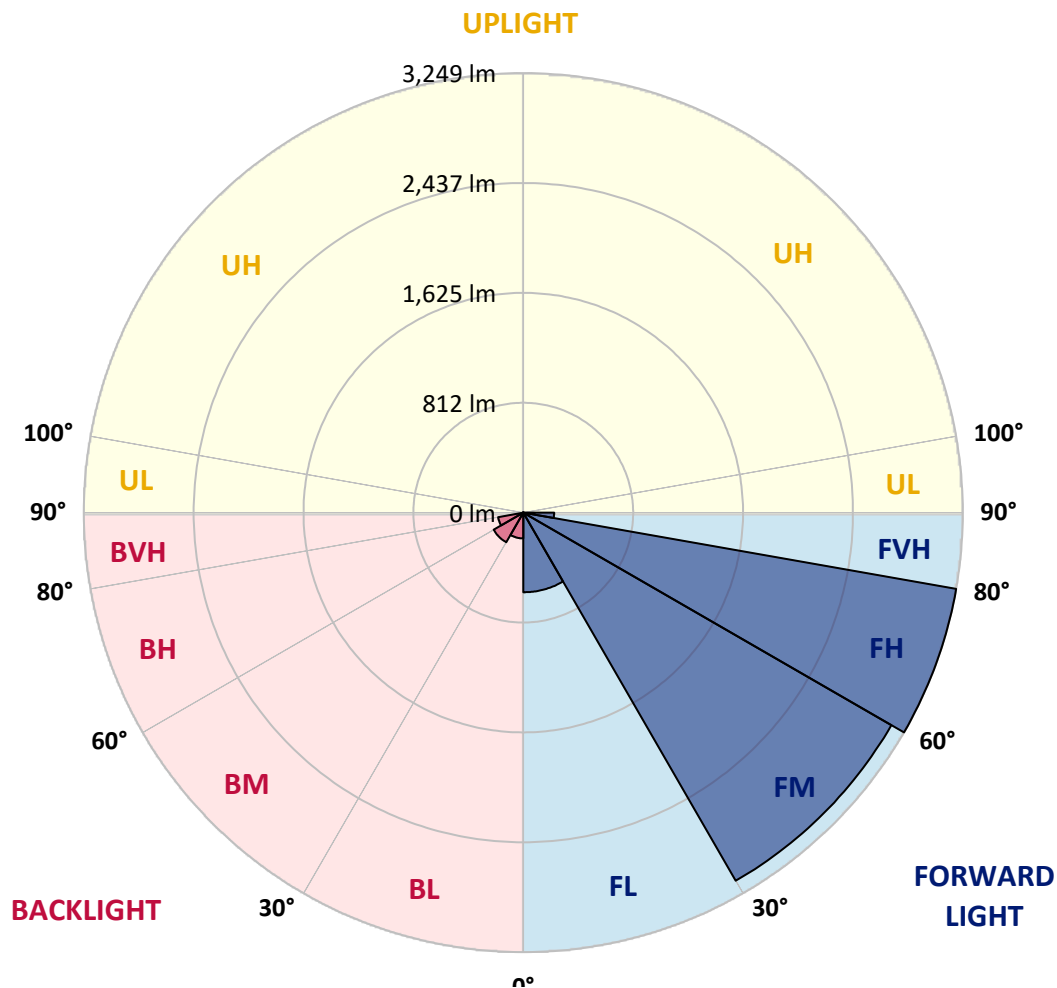
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	588.7	7.5			
FM	(30°-60°)	3142.0	40.0			
FH	(60°-80°)	3249.2	41.4			G2/5000
FVH	(80°-90°)	227.9	2.9			G3/500
BL	(0°-30°)	190.6	2.4	B1/500		
BM	(30°-60°)	253.1	3.2	B1/1000		
BH	(60°-80°)	189.1	2.4	B1/500		G1/500
BVH	(80°-90°)	6.5	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-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2236.1	2236.1	2236.1	2236.1	2236.1	2236.1	2236.1	2236.1	2236.1	2236.1	2236.1
2.5°	2089.5	2167.9	2215.6	2260.0	2317.9	2375.9	2379.3	2382.7	2382.7	2382.7	2379.3
5°	2017.9	2024.8	2024.8	2024.8	2035.0	2045.2	2052.0	2055.4	2058.8	2058.8	2055.4
7.5°	1578.2	1704.3	1782.7	1857.7	1878.2	1898.6	1925.9	1949.8	1970.2	1987.3	2000.9
10°	1748.7	1762.3	1762.3	1758.9	1775.9	1789.6	1656.6	1520.3	1574.8	1629.4	1561.2
12.5°	1349.8	1418.0	1503.2	1585.0	1639.6	1694.1	1632.8	1571.4	1476.0	1377.1	1370.3
15°	1578.2	1588.4	1591.9	1595.3	1503.2	1407.8	1295.3	1179.4	1257.8	1336.2	1223.7
17.5°	1213.5	1223.7	1319.2	1414.6	1424.8	1435.1	1363.5	1288.5	1124.9	961.2	1114.6
20°	1452.1	1458.9	1458.9	1458.9	1278.3	1097.6	1111.2	1121.5	1172.6	1223.7	1186.2
22.5°	1169.2	1155.5	1162.4	1165.8	1220.3	1271.4	1165.8	1056.7	1135.1	1210.1	1145.3
25°	1462.3	1465.7	1445.3	1421.4	1261.2	1097.6	1155.5	1210.1	1118.0	1022.6	1114.6
27.5°	1322.6	1308.9	1261.2	1213.5	1237.4	1261.2	1152.1	1039.6	1128.3	1213.5	1172.6
30°	1741.8	1735.0	1673.7	1608.9	1418.0	1223.7	1203.3	1179.4	1128.3	1073.7	1145.3
32.5°	2324.7	2242.9	2014.5	1782.7	1663.4	1540.7	1390.7	1240.8	1257.8	1271.4	1281.7
35°	2454.3	2416.8	2317.9	2219.1	2035.0	1847.5	1643.0	1435.1	1387.3	1339.6	1366.9
37.5°	2488.3	2474.7	2461.1	2444.0	2225.9	2007.7	1803.2	1595.3	1557.8	1516.9	1486.2
40°	2522.4	2536.1	2577.0	2614.5	2409.9	2205.4	2014.5	1820.2	1775.9	1731.6	1653.2
42.5°	2658.8	2669.0	2730.4	2791.7	2594.0	2392.9	2225.9	2058.8	1994.1	1929.3	1857.7
45°	2948.5	2958.7	2992.8	3026.9	2842.8	2655.4	2471.3	2283.8	2232.7	2178.2	2096.3
47.5°	3350.7	3361.0	3343.9	3326.9	3115.5	2900.8	2682.6	2464.5	2447.4	2430.4	2345.2
50°	3810.9	3797.3	3705.2	3613.2	3381.4	3149.6	2894.0	2634.9	2648.5	2662.2	2600.8
52.5°	4022.2	4015.4	3909.8	3804.1	3565.5	3323.5	3057.6	2788.3	2836.0	2880.3	2846.3
55°	4008.6	4005.2	3933.6	3862.0	3637.1	3412.1	3163.3	2914.4	3023.5	3129.2	3108.7
57.5°	3858.6	3865.5	3855.2	3845.0	3647.3	3449.6	3248.5	3047.4	3211.0	3371.2	3398.5
60°	3623.4	3623.4	3674.6	3722.3	3606.4	3487.1	3320.1	3149.6	3374.6	3599.6	3667.7
62.5°	3132.6	3187.1	3296.2	3405.3	3442.8	3480.3	3343.9	3207.6	3517.8	3828.0	3926.8
65°	2413.3	2437.2	2634.9	2832.6	3016.7	3197.3	3207.6	3217.8	3691.6	4162.0	4196.1
67.5°	1401.0	1499.8	1718.0	1932.7	2294.0	2652.0	2836.0	3020.1	3766.6	4509.7	4547.2
70°	736.3	777.2	882.8	985.1	1308.9	1629.4	2086.1	2539.5	3592.8	4642.6	4969.9
72.5°	504.5	542.0	599.9	657.9	780.6	899.9	1227.1	1551.0	2859.9	4168.8	5184.6
75°	296.6	306.8	378.4	449.9	582.9	715.8	835.1	951.0	1820.2	2686.0	4332.4
77.5°	119.3	129.5	160.2	190.9	378.4	562.4	685.1	807.9	1015.8	1223.7	2975.8
80°	64.8	64.8	78.4	88.6	170.4	248.8	460.2	671.5	773.8	876.0	1929.3
82.5°	37.5	37.5	47.7	54.5	85.2	115.9	262.5	409.0	603.3	794.2	1302.1
85°	13.6	13.6	17.0	20.5	40.9	57.9	95.4	129.5	375.0	617.0	749.9
87.5°	3.4	3.4	6.8	6.8	10.2	13.6	17.0	17.0	13.6	10.2	68.2
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°	2236.1	2236.1	2236.1	2236.1	2236.1	2236.1	2236.1	2236.1	2236.1	2236.1	2236.1
2.5°	2372.4	2352.0	2338.4	2314.5	2290.6	2270.2	2246.3	2215.6	2191.8	2161.1	2130.4
5°	2052.0	2195.2	2341.8	2328.1	2311.1	2263.4	2215.6	2161.1	2110.0	2048.6	1987.3
7.5°	2011.1	2007.7	1868.0	1939.5	2007.7	1953.2	1898.6	1837.3	1769.1	1649.8	1530.5
10°	1493.0	1503.2	1499.8	1516.9	1533.9	1578.2	1619.1	1530.5	1445.3	1257.8	1066.9
12.5°	1363.5	1428.2	1445.3	1329.4	1213.5	1261.2	1308.9	1220.3	1135.1	961.2	787.4
15°	1107.8	940.8	1179.4	1336.2	1489.6	1513.5	1533.9	1418.0	1281.7	1043.1	801.0
17.5°	1264.6	1322.6	1254.4	1257.8	1257.8	1261.2	1264.6	1159.0	1022.6	841.9	661.3
20°	1148.7	1131.7	1138.5	1251.0	1363.5	1438.5	1510.0	1349.8	1176.0	896.5	613.6
22.5°	1080.6	1302.1	1397.6	1349.8	1302.1	1182.8	1060.1	937.4	794.2	654.5	511.3
25°	1203.3	1087.4	1162.4	1346.4	1530.5	1530.5	1530.5	1319.2	1084.0	784.0	484.0
27.5°	1131.7	1291.9	1366.9	1513.5	1656.6	1718.0	1775.9	1506.6	1196.4	824.9	449.9
30°	1216.9	1291.9	1557.8	1850.9	2144.1	2092.9	2038.4	1694.1	1302.1	865.8	429.5
32.5°	1291.9	1503.2	1738.4	1960.0	2181.6	2123.6	2062.3	1680.5	1240.8	780.6	320.4
35°	1394.2	1530.5	1748.7	2017.9	2287.2	2198.6	2106.6	1687.3	1193.0	715.8	238.6
37.5°	1455.5	1605.5	1840.7	2123.6	2403.1	2294.0	2185.0	1718.0	1152.1	668.1	184.1
40°	1571.4	1721.4	1956.6	2253.1	2549.7	2423.6	2294.0	1772.5	1128.3	640.8	153.4
42.5°	1786.2	1854.3	2116.8	2430.4	2744.0	2611.1	2474.7	1888.4	1121.5	627.2	132.9
45°	2011.1	2055.4	2287.2	2638.3	2986.0	2849.7	2709.9	2031.6	1145.3	637.4	126.1
47.5°	2256.6	2280.4	2491.7	2928.1	3364.4	3176.9	2989.4	2229.3	1196.4	657.9	119.3
50°	2539.5	2539.5	2744.0	3214.4	3684.8	3490.5	3296.2	2461.1	1261.2	688.6	115.9
52.5°	2808.8	2846.3	3003.1	3483.7	3964.3	3783.6	3599.6	2716.7	1346.4	729.5	109.1
55°	3084.9	3204.2	3262.1	3753.0	4243.8	4035.9	3828.0	2904.2	1397.6	749.9	102.3
57.5°	3425.7	3551.9	3582.5	3998.4	4414.2	4213.1	4008.6	3064.4	1435.1	767.0	98.9
60°	3735.9	3879.1	3940.4	4247.2	4550.6	4342.7	4134.7	3204.2	1469.1	780.6	88.6
62.5°	4022.2	4131.3	4226.8	4424.5	4622.2	4427.9	4230.2	3326.9	1489.6	784.0	78.4
65°	4230.2	4329.0	4465.4	4577.9	4690.4	4543.8	4397.2	3538.2	1547.5	804.4	57.9
67.5°	4581.3	4591.5	4669.9	4761.9	4854.0	4775.6	4697.2	3831.4	1615.7	831.7	44.3
70°	5293.7	5177.8	5075.5	5167.6	5256.2	5147.1	5038.0	3916.6	1458.9	746.5	34.1
72.5°	6200.4	6394.7	5900.4	5709.5	5515.3	5113.0	4707.4	3371.2	1036.2	531.8	27.3
75°	5978.8	6963.9	6476.5	5709.5	4942.6	4322.2	3698.4	2529.2	637.4	330.6	20.5
77.5°	4724.4	5781.1	5607.3	4816.5	4022.2	3258.7	2495.2	1554.4	225.0	122.7	20.5
80°	2982.6	3998.4	3848.4	3129.2	2406.5	1711.2	1015.8	473.8	85.2	54.5	23.9
82.5°	1810.0	2382.7	1871.4	1172.6	473.8	334.1	194.3	102.3	27.3	23.9	20.5
85°	879.4	985.1	644.2	371.5	95.4	88.6	78.4	51.1	13.6	13.6	10.2
87.5°	122.7	88.6	54.5	37.5	17.0	17.0	17.0	10.2	10.2	10.2	6.8
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°	2236.1	2236.1	2236.1	2236.1	2236.1	2236.1	2236.1	2236.1	2236.1	2236.1	2236.1
2.5°	2106.6	2079.3	2048.6	2017.9	1983.9	1949.8	1850.9	1748.7	1694.1	1636.2	1622.5
5°	1874.8	1762.3	1622.5	1479.4	1418.0	1356.7	1326.0	1291.9	1271.4	1247.6	1227.1
7.5°	1373.7	1213.5	1213.5	1210.1	1159.0	1107.8	1049.9	988.5	951.0	913.5	814.7
10°	981.7	893.1	831.7	770.4	746.5	722.6	647.7	569.3	576.1	579.5	559.0
12.5°	760.1	729.5	617.0	504.5	467.0	429.5	405.6	381.8	347.7	313.6	289.7
15°	651.1	501.1	415.9	330.6	293.1	252.2	218.2	180.7	170.4	156.8	173.8
17.5°	535.2	405.6	323.8	242.0	187.5	132.9	139.8	146.6	160.2	173.8	180.7
20°	460.2	306.8	235.2	163.6	146.6	129.5	136.3	139.8	136.3	129.5	150.0
22.5°	375.0	238.6	180.7	119.3	122.7	126.1	115.9	105.7	126.1	146.6	146.6
25°	320.4	156.8	139.8	122.7	112.5	102.3	115.9	126.1	119.3	112.5	129.5
27.5°	293.1	136.3	119.3	102.3	105.7	109.1	105.7	98.9	109.1	119.3	115.9
30°	279.5	126.1	115.9	102.3	98.9	92.0	95.4	95.4	92.0	88.6	98.9
32.5°	225.0	129.5	112.5	92.0	88.6	81.8	78.4	75.0	78.4	81.8	85.2
35°	180.7	119.3	105.7	88.6	81.8	75.0	71.6	64.8	64.8	64.8	68.2
37.5°	146.6	109.1	95.4	78.4	71.6	64.8	61.4	54.5	54.5	54.5	54.5
40°	129.5	102.3	88.6	71.6	64.8	54.5	51.1	44.3	44.3	40.9	40.9
42.5°	112.5	92.0	78.4	61.4	54.5	47.7	40.9	34.1	34.1	30.7	30.7
45°	105.7	85.2	71.6	57.9	47.7	37.5	34.1	27.3	27.3	23.9	23.9
47.5°	102.3	81.8	68.2	51.1	40.9	30.7	27.3	20.5	20.5	20.5	20.5
50°	95.4	75.0	61.4	44.3	37.5	27.3	23.9	17.0	17.0	17.0	17.0
52.5°	92.0	71.6	54.5	37.5	30.7	20.5	17.0	13.6	13.6	13.6	13.6
55°	88.6	75.0	54.5	34.1	27.3	17.0	13.6	10.2	10.2	10.2	10.2
57.5°	85.2	71.6	51.1	27.3	20.5	13.6	10.2	6.8	6.8	6.8	6.8
60°	75.0	61.4	40.9	20.5	17.0	10.2	6.8	3.4	6.8	6.8	6.8
62.5°	64.8	47.7	34.1	17.0	13.6	6.8	6.8	3.4	6.8	6.8	6.8
65°	47.7	37.5	27.3	13.6	10.2	3.4	3.4	3.4	6.8	6.8	6.8
67.5°	37.5	27.3	20.5	10.2	6.8	3.4	3.4	3.4	6.8	6.8	6.8
70°	27.3	20.5	13.6	6.8	6.8	3.4	3.4	3.4	6.8	6.8	6.8
72.5°	20.5	13.6	10.2	6.8	6.8	3.4	6.8	6.8	6.8	6.8	6.8
75°	17.0	13.6	10.2	6.8	6.8	3.4	6.8	6.8	10.2	10.2	10.2
77.5°	17.0	10.2	10.2	6.8	6.8	3.4	6.8	10.2	10.2	10.2	10.2
80°	17.0	10.2	10.2	6.8	6.8	3.4	6.8	10.2	10.2	10.2	10.2
82.5°	17.0	10.2	10.2	6.8	6.8	3.4	6.8	10.2	10.2	10.2	10.2
85°	10.2	10.2	10.2	10.2	6.8	3.4	10.2	13.6	13.6	10.2	10.2
87.5°	6.8	6.8	10.2	10.2	6.8	3.4	10.2	13.6	13.6	10.2	10.2
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):

	165°	170°	175°	180°
0°	2236.1	2236.1	2236.1	2236.1
2.5°	1605.5	1588.4	1568.0	1608.9
5°	1206.7	1193.0	1179.4	1203.3
7.5°	715.8	719.2	719.2	681.7
10°	535.2	504.5	470.4	470.4
12.5°	265.9	245.4	225.0	221.6
15°	190.9	194.3	197.7	197.7
17.5°	187.5	180.7	170.4	163.6
20°	167.0	173.8	177.3	177.3
22.5°	146.6	143.2	136.3	136.3
25°	146.6	150.0	153.4	153.4
27.5°	112.5	112.5	109.1	109.1
30°	109.1	109.1	109.1	109.1
32.5°	85.2	88.6	88.6	88.6
35°	71.6	71.6	71.6	71.6
37.5°	54.5	54.5	54.5	51.1
40°	40.9	40.9	40.9	40.9
42.5°	30.7	30.7	30.7	30.7
45°	23.9	23.9	23.9	23.9
47.5°	20.5	20.5	17.0	17.0
50°	13.6	13.6	13.6	13.6
52.5°	10.2	10.2	10.2	10.2
55°	6.8	6.8	6.8	6.8
57.5°	6.8	6.8	6.8	6.8
60°	3.4	3.4	3.4	3.4
62.5°	3.4	3.4	3.4	3.4
65°	3.4	3.4	3.4	3.4
67.5°	3.4	3.4	3.4	3.4
70°	3.4	3.4	3.4	3.4
72.5°	6.8	6.8	3.4	3.4
75°	6.8	6.8	3.4	3.4
77.5°	6.8	6.8	3.4	3.4
80°	6.8	6.8	3.4	3.4
82.5°	6.8	6.8	3.4	3.4
85°	6.8	6.8	6.8	3.4
87.5°	6.8	6.8	6.8	3.4
90°	0.0	0.0	0.0	0.0



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(END OF REPORT)