

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: P560834

Luminaire Tested: **SDL-PA1-60-830-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-10)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-830-U-T4W-HSS
Description: Springdale
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4314.3 lumens
Efficiency: N/A
Efficacy: 69.1 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: B0 - U0 - G2

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

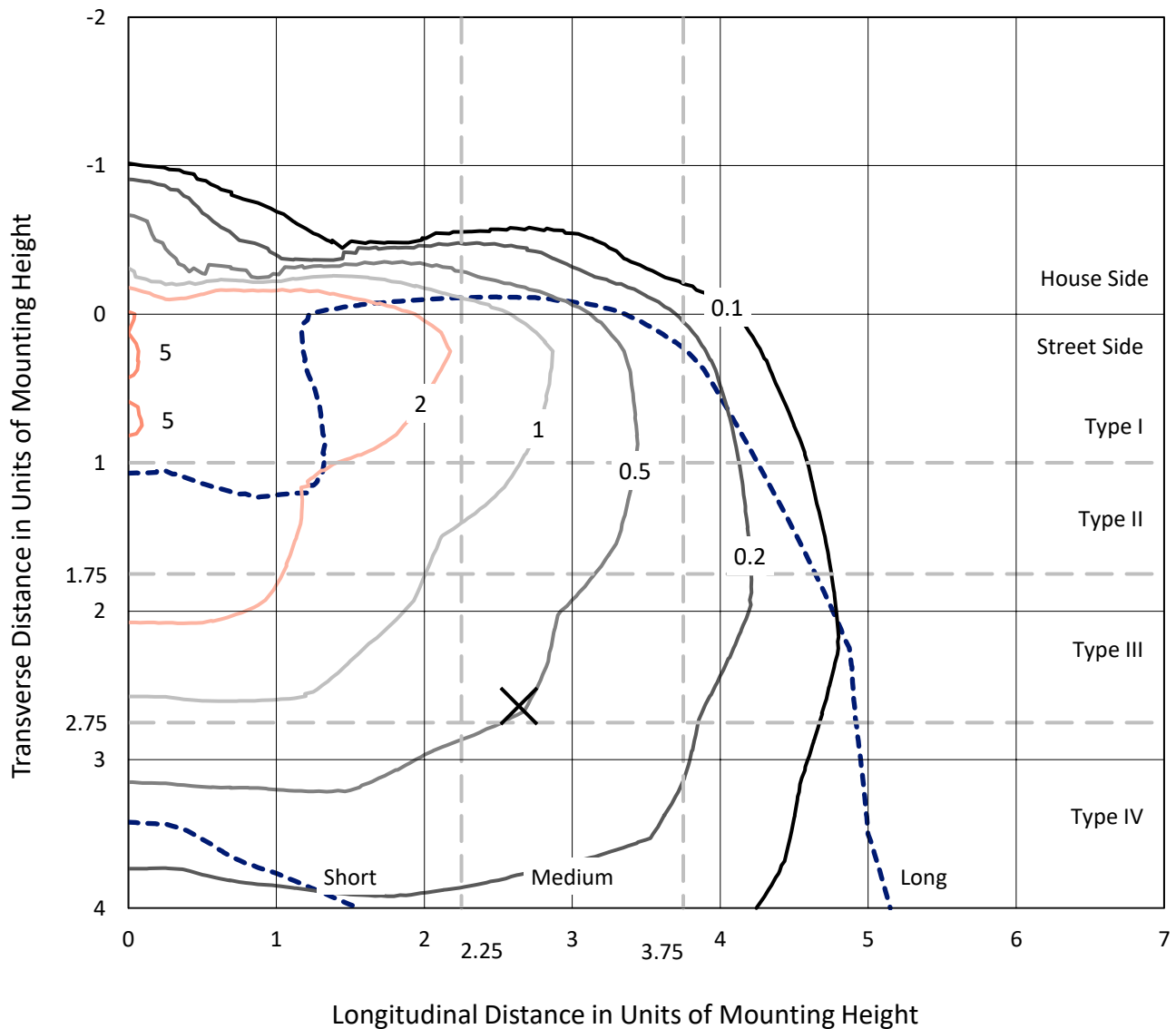


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

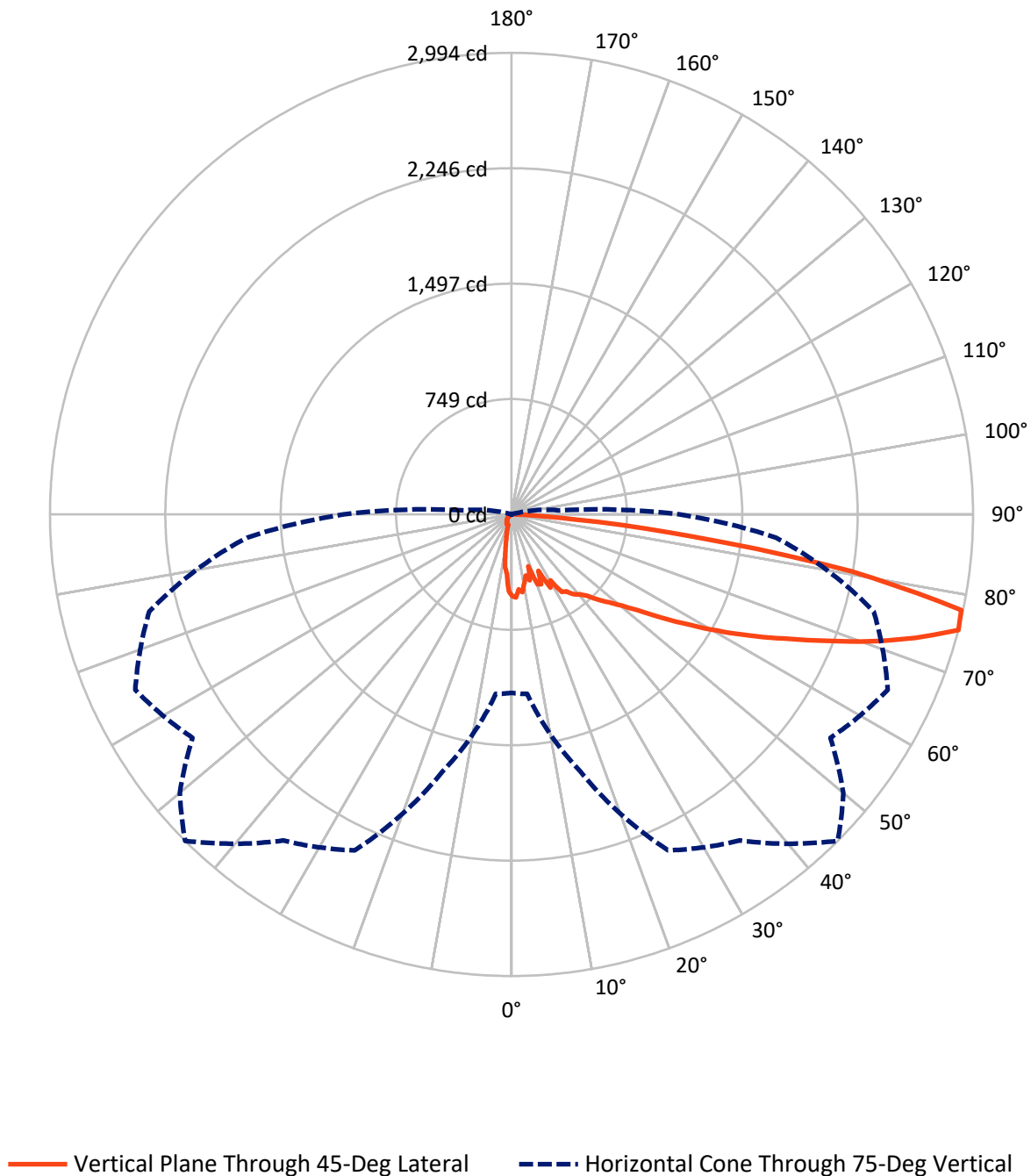


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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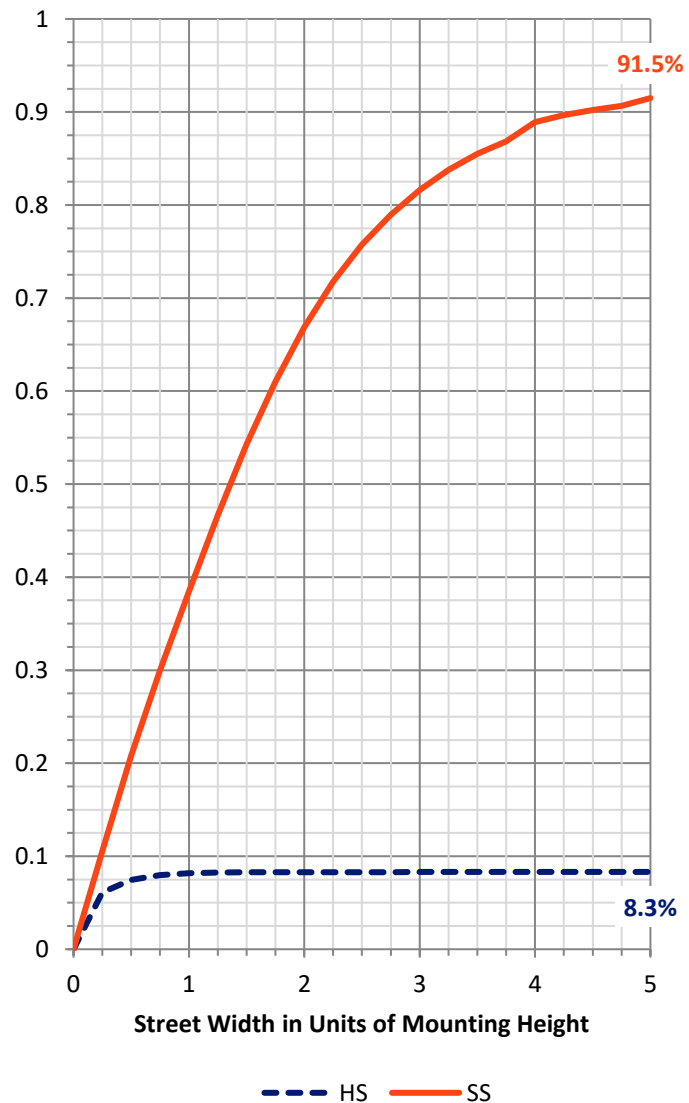
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	362.2	0.0	362.2
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	3952.1	0.0	3952.1
	% Fixture	91.6	0.0	91.6
Total	Lumens	4314.3	0.0	4314.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.1	1.0
10°-20°	90.3	2.1
20°-30°	152.7	3.5
30°-40°	281.2	6.5
40°-50°	461.5	10.7
50°-60°	821.4	19.0
60°-70°	1229.0	28.5
70°-80°	1094.2	25.4
80°-90°	142.9	3.3
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°	4314.3	100.0
0°-180°	4314.3	100.0

Coefficient of Utilization



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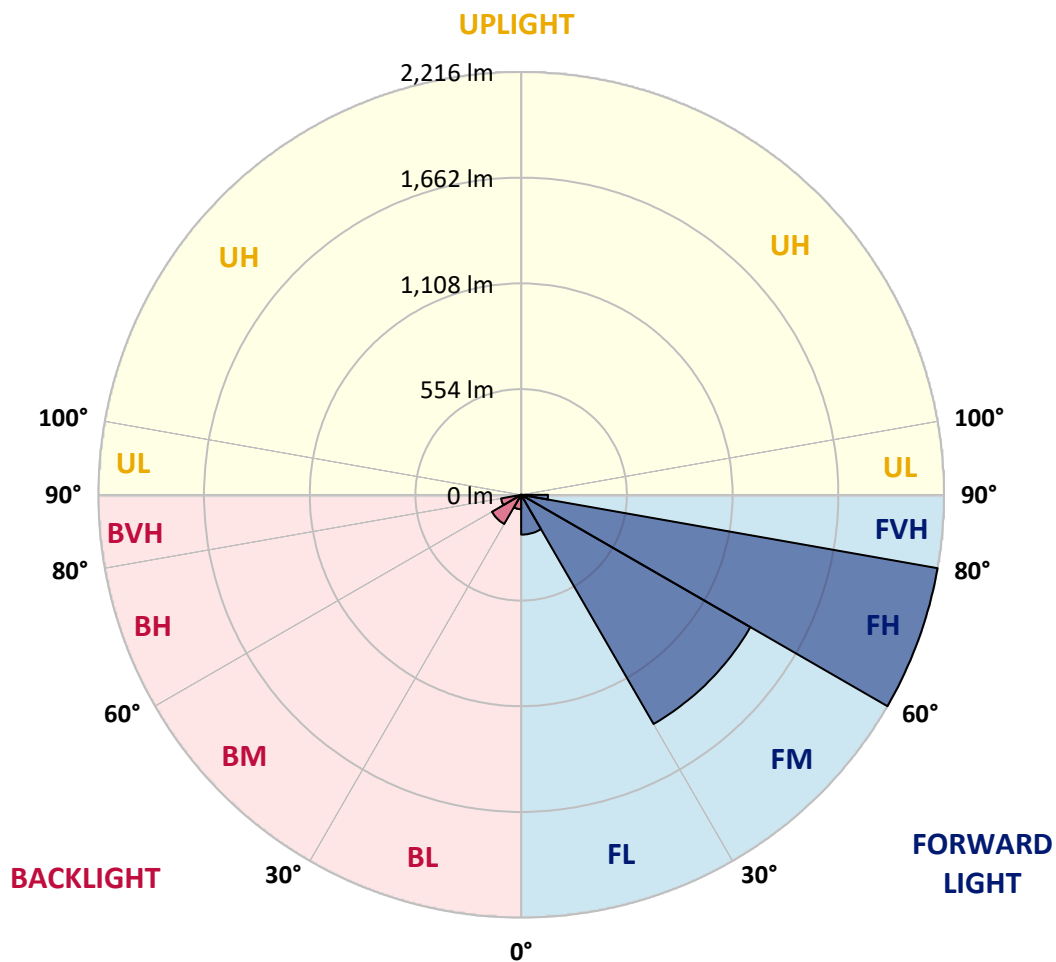
CATALOG NUMBER: SDL-PA1-60-830-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	208.5	4.8			
FM	(30°-60°)	1386.9	32.1			
FH	(60°-80°)	2215.9	51.4			G2/5000
FVH	(80°-90°)	140.8	3.3			G2/225
BL	(0°-30°)	75.6	1.8	B0/110		
BM	(30°-60°)	177.2	4.1	B0/220		
BH	(60°-80°)	107.3	2.5	B0/110		G0/110
BVH	(80°-90°)	2.2	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0
2.5°	492.1	529.0	533.3	535.5	539.8	542.0	542.0	542.0	542.0	539.8	539.8
5°	520.3	518.2	516.0	513.8	511.6	507.3	503.0	496.5	492.1	487.8	483.5
7.5°	509.5	511.6	518.2	522.5	520.3	518.2	522.5	524.7	518.2	509.5	500.8
10°	594.0	589.7	585.4	581.0	574.5	568.0	516.0	464.0	459.6	453.1	448.8
12.5°	520.3	585.4	585.4	585.4	585.4	585.4	550.7	516.0	461.8	407.6	344.7
15°	650.4	648.2	639.6	630.9	572.4	511.6	479.1	446.6	446.6	444.4	418.4
17.5°	539.8	539.8	583.2	624.4	600.5	576.7	531.2	485.6	420.6	353.4	379.4
20°	682.9	682.9	674.2	665.6	565.8	466.1	470.5	474.8	479.1	483.5	401.1
22.5°	561.5	557.2	552.8	548.5	559.3	570.2	481.3	390.2	442.3	492.1	383.7
25°	685.1	691.6	687.3	680.8	591.9	503.0	522.5	539.8	472.6	405.4	470.5
27.5°	587.5	581.0	572.4	561.5	568.0	574.5	533.3	490.0	513.8	537.7	431.4
30°	719.8	721.9	717.6	713.3	628.7	544.2	542.0	537.7	518.2	496.5	485.6
32.5°	891.0	873.7	813.0	752.3	700.3	648.2	607.0	565.8	583.2	598.4	539.8
35°	973.4	940.9	914.9	886.7	800.0	711.1	661.2	609.2	611.4	613.5	589.7
37.5°	1053.6	1006.0	973.4	940.9	836.8	732.8	678.6	624.4	641.7	656.9	630.9
40°	1081.8	1055.8	1036.3	1016.8	906.2	793.5	730.6	665.6	674.2	680.8	672.1
42.5°	1153.4	1149.0	1138.2	1125.2	992.9	858.5	782.6	706.8	715.4	721.9	717.6
45°	1324.6	1318.1	1318.1	1316.0	1144.7	971.3	871.5	771.8	780.5	789.2	784.8
47.5°	1545.8	1534.9	1521.9	1506.8	1324.6	1140.4	997.3	852.0	852.0	852.0	858.5
50°	1777.8	1762.6	1734.4	1704.0	1519.8	1335.5	1153.4	971.3	951.8	930.1	953.9
52.5°	2018.4	1992.4	1944.7	1894.8	1732.2	1569.6	1363.7	1155.5	1097.0	1036.3	1066.7
55°	2148.5	2120.3	2087.8	2053.1	1920.8	1786.4	1576.1	1365.8	1274.8	1181.6	1214.1
57.5°	2254.7	2248.2	2233.0	2217.9	2116.0	2014.1	1803.8	1591.3	1467.7	1344.2	1372.3
60°	2400.0	2391.3	2397.8	2404.3	2326.3	2248.2	2048.8	1847.1	1688.9	1528.4	1519.8
62.5°	2508.4	2506.2	2538.7	2571.2	2530.1	2486.7	2263.4	2037.9	1884.0	1727.9	1684.5
65°	2408.6	2436.8	2558.2	2679.6	2673.1	2664.5	2456.3	2246.0	2094.3	1940.4	1884.0
67.5°	2198.4	2211.4	2391.3	2569.1	2647.1	2723.0	2575.6	2426.0	2306.8	2185.3	2081.3
70°	2001.1	2029.2	2187.5	2345.8	2547.4	2749.0	2632.0	2514.9	2491.0	2465.0	2330.6
72.5°	1810.3	1860.1	2007.6	2155.0	2423.8	2690.5	2621.1	2551.7	2645.0	2738.2	2577.8
75°	1157.7	1168.6	1448.2	1725.7	2066.1	2404.3	2493.2	2582.1	2788.0	2994.0	2809.7
77.5°	338.2	375.1	585.4	795.7	1185.9	1574.0	1877.5	2181.0	2582.1	2983.2	2757.7
80°	114.9	123.6	153.9	182.1	390.2	598.4	949.6	1298.6	1764.8	2230.9	2072.6
82.5°	56.4	58.5	73.7	86.7	132.2	177.8	357.7	535.5	865.0	1192.4	1220.6
85°	17.3	17.3	26.0	34.7	56.4	78.0	134.4	188.6	299.2	407.6	344.7
87.5°	4.3	4.3	6.5	8.7	13.0	17.3	17.3	17.3	13.0	8.7	10.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0
2.5°	542.0	542.0	542.0	539.8	535.5	533.3	529.0	524.7	520.3	518.2	513.8
5°	477.0	505.1	531.2	533.3	533.3	526.8	520.3	513.8	507.3	500.8	494.3
7.5°	490.0	474.8	459.6	461.8	464.0	461.8	457.4	446.6	437.9	420.6	401.1
10°	392.4	381.6	368.6	372.9	377.2	388.1	398.9	390.2	377.2	344.7	310.0
12.5°	385.9	383.7	379.4	346.9	312.2	329.5	344.7	336.0	323.0	290.5	255.8
15°	329.5	331.7	331.7	364.2	396.7	409.8	420.6	409.8	394.6	351.2	305.7
17.5°	424.9	403.2	381.6	368.6	353.4	357.7	362.1	314.4	329.5	301.4	271.0
20°	440.1	368.6	297.0	355.6	414.1	433.6	453.1	442.3	422.8	353.4	281.8
22.5°	401.1	427.1	453.1	416.3	379.4	355.6	329.5	318.7	305.7	275.3	245.0
25°	496.5	424.9	351.2	420.6	487.8	492.1	496.5	477.0	455.3	368.6	281.8
27.5°	444.4	468.3	490.0	505.1	520.3	539.8	559.3	537.7	485.6	383.7	279.7
30°	529.0	561.5	594.0	643.9	693.8	708.9	721.9	698.1	656.9	485.6	312.2
32.5°	552.8	617.9	682.9	702.4	719.8	739.3	758.8	739.3	689.4	481.3	271.0
35°	617.9	663.4	706.8	737.1	767.5	784.8	802.2	789.2	721.9	474.8	227.6
37.5°	637.4	698.1	756.6	791.3	823.8	839.0	852.0	852.0	756.6	470.5	182.1
40°	667.7	743.6	819.5	852.0	882.4	906.2	927.9	936.6	795.7	468.3	138.8
42.5°	728.4	795.7	862.9	914.9	964.8	999.4	1034.1	1040.6	841.2	474.8	106.2
45°	793.5	865.0	936.6	1006.0	1075.3	1125.2	1172.9	1168.6	895.4	492.1	86.7
47.5°	886.7	953.9	1021.1	1138.2	1253.1	1300.8	1346.3	1316.0	951.8	513.8	75.9
50°	982.1	1064.5	1146.9	1296.5	1443.9	1487.2	1528.4	1465.6	1006.0	539.8	71.5
52.5°	1105.7	1203.2	1300.8	1472.1	1643.3	1682.4	1721.4	1593.5	1047.1	557.2	67.2
55°	1250.9	1376.7	1502.4	1665.0	1825.5	1871.0	1916.5	1719.2	1066.7	565.8	65.0
57.5°	1426.5	1571.8	1714.9	1864.5	2011.9	2074.8	2135.5	1842.8	1075.3	568.0	60.7
60°	1597.8	1758.2	1918.7	2046.6	2174.5	2272.1	2367.5	1964.2	1071.0	563.7	54.2
62.5°	1756.1	1933.9	2109.5	2228.7	2347.9	2465.0	2582.1	2061.8	1042.8	544.2	43.4
65°	1920.8	2109.5	2295.9	2400.0	2504.0	2655.8	2805.4	2146.3	1003.8	518.2	30.4
67.5°	2070.4	2250.4	2430.3	2547.4	2664.5	2814.1	2961.5	2168.0	947.4	485.6	21.7
70°	2196.2	2391.3	2584.3	2703.5	2822.7	2898.6	2972.3	2072.6	834.7	424.9	15.2
72.5°	2369.6	2545.2	2718.7	2779.4	2837.9	2705.7	2571.2	1727.9	626.6	320.9	13.0
75°	2525.7	2610.3	2692.7	2562.6	2432.5	2076.9	1721.4	1088.3	305.7	160.4	13.0
77.5°	2367.5	2321.9	2276.4	1877.5	1476.4	1097.0	715.4	427.1	95.4	52.0	8.7
80°	1714.9	1506.8	1296.5	897.6	496.5	331.7	164.8	95.4	23.8	15.2	6.5
82.5°	923.6	713.3	500.8	323.0	145.3	97.6	47.7	32.5	10.8	8.7	4.3
85°	333.9	264.5	193.0	149.6	106.2	62.9	17.3	10.8	6.5	6.5	4.3
87.5°	30.4	34.7	39.0	30.4	19.5	13.0	4.3	4.3	4.3	4.3	2.2
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0
2.5°	511.6	509.5	507.3	503.0	500.8	498.6	483.5	468.3	450.9	433.6	433.6
5°	466.1	437.9	422.8	407.6	396.7	385.9	383.7	379.4	375.1	370.7	368.6
7.5°	390.2	379.4	370.7	362.1	351.2	340.4	329.5	318.7	310.0	301.4	281.8
10°	292.7	275.3	262.3	249.3	242.8	234.1	221.1	206.0	206.0	206.0	203.8
12.5°	253.7	251.5	219.0	184.3	173.4	162.6	160.4	158.3	153.9	147.4	138.8
15°	251.5	195.1	166.9	136.6	130.1	121.4	108.4	93.2	91.1	86.7	97.6
17.5°	227.6	184.3	151.8	119.2	95.4	71.5	75.9	78.0	88.9	97.6	104.1
20°	206.0	130.1	108.4	84.6	78.0	69.4	73.7	78.0	75.9	71.5	82.4
22.5°	193.0	138.8	101.9	65.0	69.4	73.7	69.4	62.9	73.7	84.6	91.1
25°	186.4	88.9	80.2	69.4	65.0	60.7	69.4	75.9	71.5	67.2	80.2
27.5°	184.3	88.9	75.9	60.7	65.0	69.4	67.2	62.9	71.5	78.0	75.9
30°	197.3	80.2	71.5	62.9	60.7	58.5	62.9	67.2	67.2	65.0	75.9
32.5°	175.6	80.2	71.5	60.7	60.7	58.5	58.5	58.5	65.0	71.5	75.9
35°	151.8	73.7	67.2	58.5	56.4	54.2	56.4	56.4	62.9	67.2	75.9
37.5°	125.7	69.4	62.9	54.2	52.0	49.9	49.9	47.7	54.2	60.7	67.2
40°	101.9	65.0	58.5	49.9	47.7	45.5	45.5	45.5	49.9	52.0	56.4
42.5°	84.6	60.7	54.2	45.5	43.4	41.2	41.2	39.0	41.2	43.4	45.5
45°	73.7	58.5	52.0	43.4	41.2	36.9	34.7	32.5	32.5	32.5	32.5
47.5°	65.0	54.2	49.9	43.4	39.0	32.5	30.4	26.0	23.8	21.7	19.5
50°	60.7	49.9	45.5	39.0	34.7	28.2	23.8	19.5	17.3	13.0	13.0
52.5°	56.4	45.5	41.2	34.7	28.2	21.7	17.3	10.8	10.8	8.7	8.7
55°	54.2	43.4	36.9	30.4	23.8	15.2	10.8	6.5	6.5	4.3	4.3
57.5°	52.0	41.2	34.7	26.0	17.3	8.7	6.5	4.3	4.3	4.3	4.3
60°	45.5	36.9	28.2	17.3	10.8	4.3	4.3	2.2	4.3	4.3	4.3
62.5°	36.9	28.2	19.5	10.8	6.5	2.2	2.2	2.2	4.3	4.3	4.3
65°	26.0	19.5	13.0	6.5	4.3	2.2	2.2	2.2	2.2	2.2	2.2
67.5°	19.5	15.2	10.8	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2
70°	13.0	10.8	8.7	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2
72.5°	10.8	8.7	6.5	2.2	2.2	0.0	2.2	2.2	2.2	2.2	2.2
75°	10.8	8.7	6.5	2.2	2.2	0.0	2.2	2.2	2.2	2.2	2.2
77.5°	8.7	6.5	4.3	2.2	2.2	0.0	2.2	4.3	4.3	4.3	4.3
80°	6.5	4.3	4.3	2.2	2.2	0.0	2.2	4.3	4.3	4.3	4.3
82.5°	4.3	4.3	4.3	2.2	2.2	0.0	4.3	6.5	6.5	4.3	4.3
85°	4.3	2.2	2.2	2.2	2.2	2.2	4.3	6.5	6.5	6.5	4.3
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	4.3	6.5	6.5	6.5	4.3
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):

	165°	170°	175°	180°
0°	529.0	529.0	529.0	529.0
2.5°	431.4	431.4	429.3	429.3
5°	364.2	364.2	362.1	362.1
7.5°	262.3	258.0	251.5	253.7
10°	201.6	197.3	193.0	197.3
12.5°	130.1	132.2	132.2	125.7
15°	106.2	114.9	121.4	121.4
17.5°	110.6	110.6	108.4	108.4
20°	93.2	101.9	110.6	110.6
22.5°	95.4	91.1	86.7	86.7
25°	91.1	97.6	101.9	101.9
27.5°	73.7	75.9	78.0	78.0
30°	84.6	88.9	91.1	91.1
32.5°	80.2	84.6	86.7	88.9
35°	82.4	86.7	88.9	88.9
37.5°	73.7	75.9	78.0	78.0
40°	58.5	60.7	62.9	62.9
42.5°	45.5	45.5	43.4	45.5
45°	30.4	30.4	28.2	30.4
47.5°	17.3	17.3	17.3	17.3
50°	10.8	10.8	10.8	10.8
52.5°	6.5	6.5	6.5	6.5
55°	4.3	4.3	4.3	4.3
57.5°	4.3	4.3	2.2	2.2
60°	2.2	2.2	2.2	2.2
62.5°	2.2	2.2	0.0	0.0
65°	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	2.2	2.2	0.0	0.0
77.5°	2.2	2.2	0.0	0.0
80°	2.2	2.2	0.0	0.0
82.5°	2.2	2.2	0.0	0.0
85°	2.2	2.2	2.2	0.0
87.5°	2.2	2.2	2.2	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)