

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: P560656

Luminaire Tested: **SDL-PA1-50-830-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560656
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-830-U-T4W-A
Description: Springdale
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4716.2 lumens
Efficiency: N/A
Efficacy: 90.0 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 - U3 - G2

Input Watts (W): 52.4
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

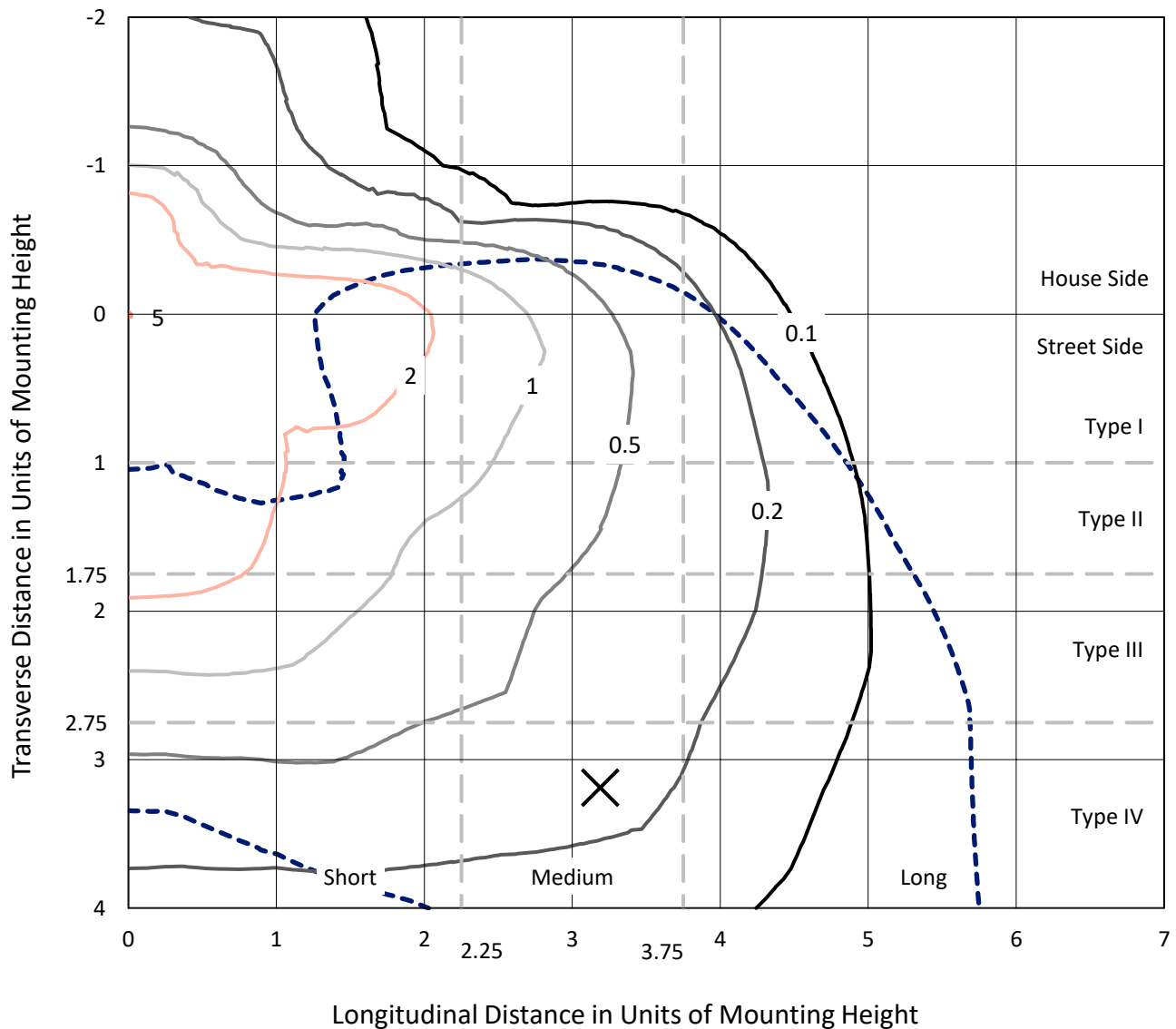


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

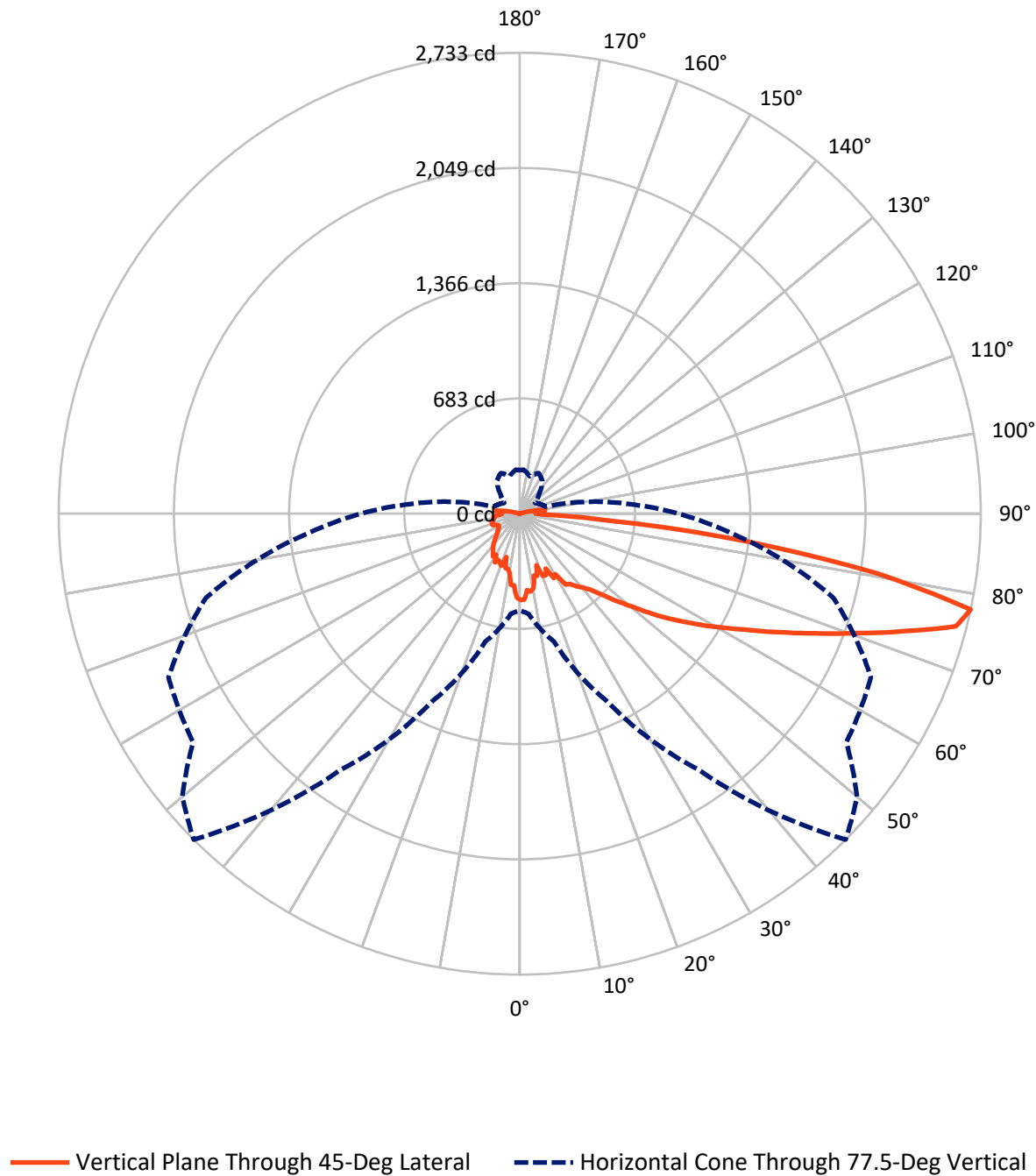


Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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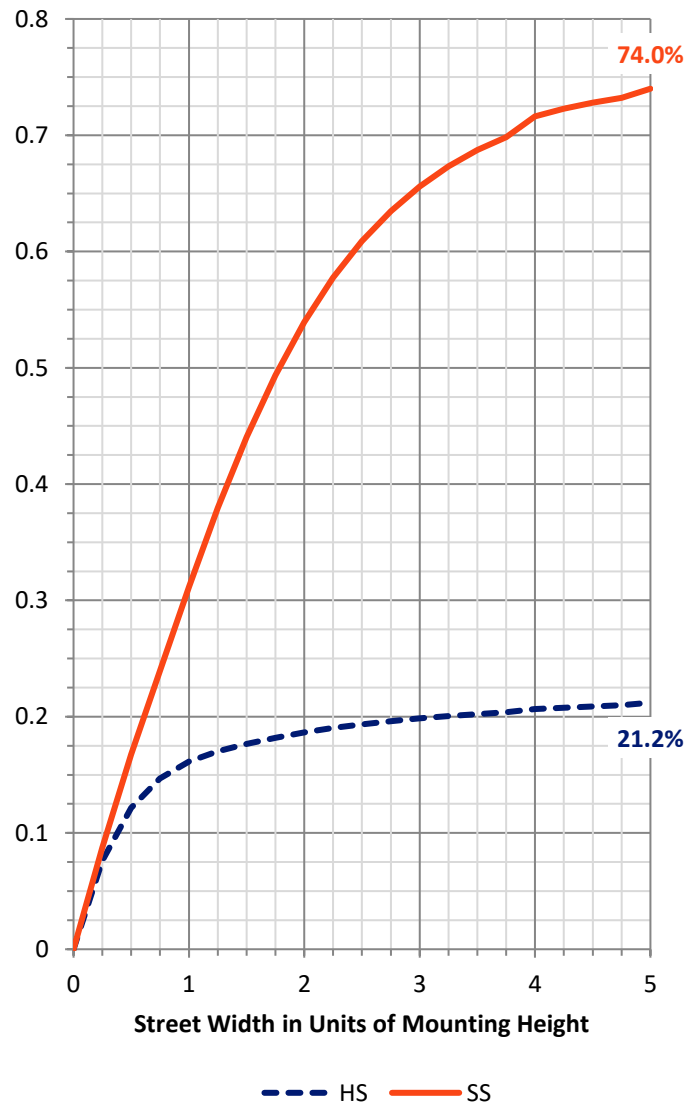
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1055.6	78.8	1134.3
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	3518.1	63.7	3581.9
	% Fixture	74.6	1.4	75.9
Total	Lumens	4573.7	142.5	4716.2
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.6	0.9
10°-20°	105.4	2.2
20°-30°	182.4	3.9
30°-40°	323.2	6.9
40°-50°	501.0	10.6
50°-60°	806.5	17.1
60°-70°	1186.0	25.1
70°-80°	1141.9	24.2
80°-90°	284.8	6.0
90°-100°	106.2	2.3
100°-110°	23.5	0.5
110°-120°	5.1	0.1
120°-130°	4.2	0.1
130°-140°	1.8	0.0
140°-150°	0.8	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4573.7	97.0
0°-180°	4716.2	100.0

Coefficient of Utilization



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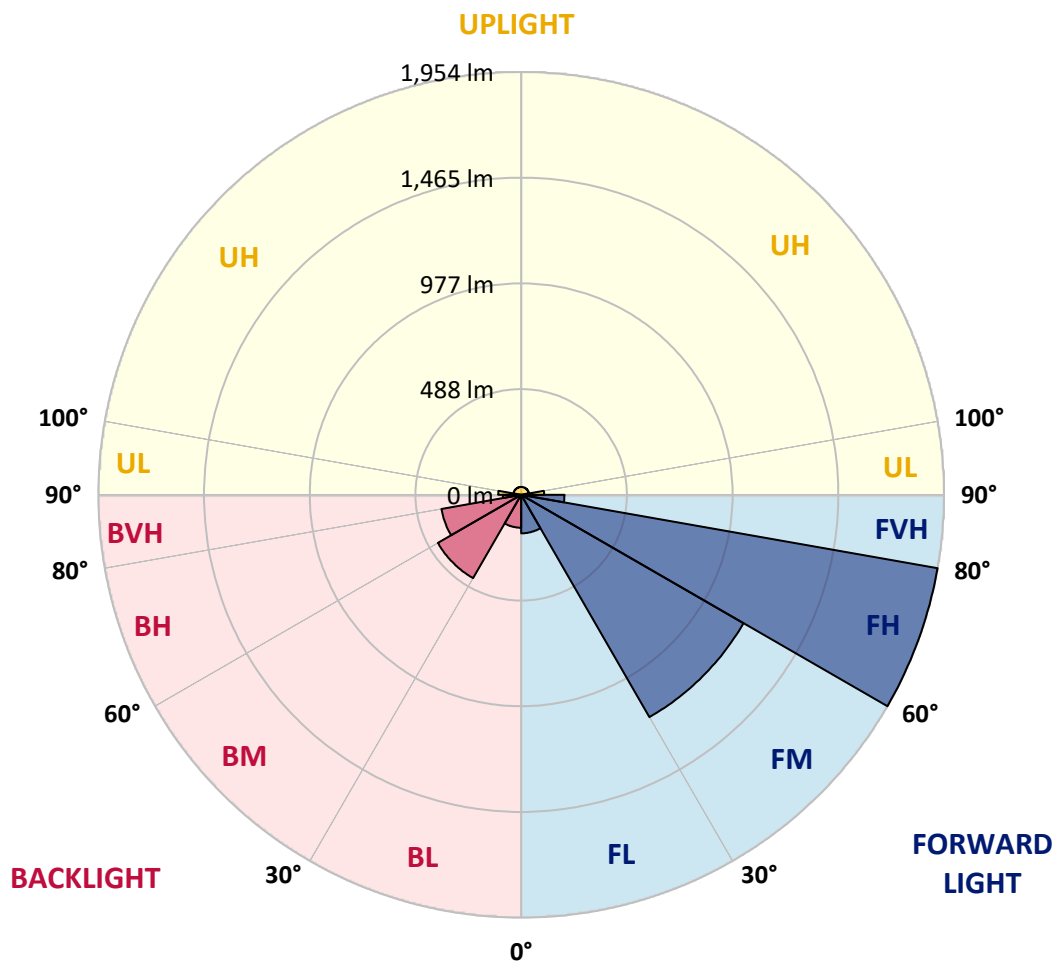
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	178.0	3.8			
FM	(30°-60°)	1186.2	25.2			
FH	(60°-80°)	1953.9	41.4			G2/5000
FVH	(80°-90°)	200.0	4.2			G2/225
BL	(0°-30°)	152.4	3.2	B1/500		
BM	(30°-60°)	444.4	9.4	B1/1000		
BH	(60°-80°)	374.0	7.9	B1/500		G1/500
BVH	(80°-90°)	84.7	1.8			G1/100
UL	(90°-100°)	106.2	2.3		U3/500	
UH	(100°-180°)	36.3	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	512.0	512.0	512.0	512.0	512.0	512.0	512.0	512.0	512.0	512.0	512.0
2.5°	465.6	510.1	502.7	508.3	508.3	510.1	512.0	512.0	513.8	512.0	512.0
5°	474.9	473.0	469.3	465.6	461.9	456.3	456.3	456.3	500.9	504.6	500.9
7.5°	443.4	482.3	478.6	471.2	471.2	465.6	458.2	450.8	437.8	434.1	439.6
10°	500.9	499.0	493.4	482.3	441.5	448.9	402.5	363.6	348.7	358.0	382.1
12.5°	445.2	476.7	489.7	489.7	437.8	376.6	335.8	358.0	345.0	307.9	335.8
15°	525.0	521.3	506.4	482.3	384.0	382.1	359.9	315.4	320.9	348.7	374.7
17.5°	448.9	448.9	502.7	460.0	395.1	320.9	319.1	354.3	324.6	309.8	324.6
20°	541.7	539.8	523.1	382.1	398.8	393.3	324.6	361.7	309.8	356.2	389.6
22.5°	460.0	456.3	482.3	458.2	380.3	397.0	304.2	343.2	369.2	326.5	302.4
25°	541.7	545.4	538.0	408.1	432.2	359.9	367.3	391.4	339.5	413.7	430.4
27.5°	476.7	476.7	456.3	456.3	400.7	432.2	345.0	367.3	404.4	447.1	525.0
30°	584.3	586.2	573.2	439.6	443.4	415.5	400.7	426.7	486.0	580.6	615.9
32.5°	714.2	714.2	614.0	525.0	445.2	500.9	422.9	465.6	550.9	599.2	645.6
35°	795.8	786.5	742.0	589.9	480.5	512.0	478.6	495.3	571.3	641.8	675.2
37.5°	912.7	909.0	864.4	647.4	515.7	545.4	497.1	515.7	608.4	673.4	712.3
40°	1074.1	1055.5	1016.6	747.6	558.4	575.1	519.4	541.7	653.0	714.2	760.6
42.5°	1202.1	1205.8	1177.9	866.3	628.9	617.7	558.4	575.1	701.2	777.3	829.2
45°	1320.8	1317.1	1322.6	1009.1	716.0	686.4	627.0	628.9	762.4	855.2	925.7
47.5°	1402.4	1400.5	1413.5	1142.7	827.3	773.5	703.1	695.6	832.9	988.7	1057.4
50°	1500.7	1495.2	1487.7	1285.5	953.5	868.2	803.2	777.3	923.8	1139.0	1224.3
52.5°	1621.3	1608.3	1584.2	1396.8	1092.6	988.7	916.4	881.1	1046.2	1307.8	1417.2
55°	1736.3	1717.8	1697.4	1521.1	1220.6	1109.3	1031.4	1011.0	1205.8	1482.2	1623.2
57.5°	1849.5	1840.2	1823.5	1686.2	1383.9	1235.4	1148.3	1144.6	1391.3	1651.0	1843.9
60°	1955.2	1940.4	1962.6	1864.3	1536.0	1369.0	1276.3	1304.1	1595.3	1819.8	2088.8
62.5°	2020.1	2014.6	2062.8	2027.5	1676.9	1517.4	1422.8	1471.0	1792.0	1984.9	2305.8
65°	1923.7	1938.5	2129.6	2129.6	1840.2	1693.6	1600.9	1630.6	1977.5	2151.8	2504.3
67.5°	1747.4	1767.8	2027.5	2187.1	1986.7	1892.1	1795.7	1812.4	2142.6	2287.3	2665.7
70°	1597.2	1612.0	1853.2	2190.8	2079.5	2122.2	1983.0	1968.2	2270.6	2400.4	2725.0
72.5°	1465.5	1485.9	1684.4	2168.5	2170.4	2383.7	2205.6	2116.6	2387.4	2443.1	2535.8
75°	1161.2	1152.0	1376.4	1907.0	2200.1	2669.4	2467.2	2281.7	2444.9	2296.5	1988.6
77.5°	571.3	595.5	784.7	1228.0	1856.9	2732.5	2610.0	2363.3	2296.5	1923.7	1241.0
80°	168.8	174.4	218.9	439.6	1066.6	2151.8	2155.5	1955.2	1727.0	1124.1	560.2
82.5°	94.6	96.5	126.1	191.1	437.8	1363.4	1419.1	1174.2	764.3	415.5	280.1
85°	50.1	51.9	64.9	100.2	222.6	543.5	576.9	448.9	369.2	270.8	205.9
87.5°	24.1	24.1	22.3	33.4	81.6	131.7	146.5	167.0	148.4	139.1	170.7
90°	20.4	20.4	16.7	18.6	44.5	94.6	115.0	128.0	116.9	128.0	187.4
92.5°	22.3	22.3	16.7	18.6	48.2	105.7	126.1	142.8	124.3	137.3	207.8
95°	20.4	22.3	14.8	16.7	48.2	129.9	152.1	155.8	128.0	150.3	222.6
97.5°	16.7	16.7	11.1	13.0	42.7	152.1	167.0	161.4	113.2	115.0	178.1
100°	13.0	13.0	7.4	11.1	29.7	122.4	142.8	135.4	74.2	18.6	44.5
102.5°	11.1	11.1	5.6	9.3	13.0	59.4	76.1	74.2	44.5	11.1	9.3
105°	11.1	11.1	5.6	7.4	7.4	16.7	26.0	33.4	18.6	5.6	9.3
107.5°	11.1	11.1	5.6	3.7	3.7	7.4	9.3	9.3	9.3	5.6	11.1
110°	13.0	13.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	5.6	11.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	11.1	11.1	3.7	3.7	1.9	3.7	3.7	3.7	3.7	5.6	11.1
115°	9.3	9.3	1.9	3.7	1.9	1.9	3.7	1.9	3.7	3.7	9.3
117.5°	9.3	7.4	1.9	1.9	1.9	1.9	1.9	1.9	3.7	5.6	11.1
120°	9.3	9.3	3.7	1.9	1.9	1.9	1.9	1.9	3.7	7.4	13.0
122.5°	9.3	9.3	3.7	1.9	0.0	1.9	1.9	1.9	3.7	7.4	14.8
125°	11.1	9.3	3.7	1.9	0.0	0.0	1.9	1.9	1.9	7.4	13.0
127.5°	9.3	7.4	3.7	1.9	0.0	0.0	1.9	1.9	1.9	5.6	11.1
130°	9.3	7.4	3.7	0.0	0.0	0.0	1.9	1.9	1.9	5.6	9.3
132.5°	7.4	5.6	3.7	0.0	0.0	0.0	1.9	1.9	1.9	3.7	7.4
135°	5.6	5.6	1.9	0.0	1.9	0.0	1.9	1.9	1.9	1.9	5.6
137.5°	3.7	3.7	1.9	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9
140°	1.9	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9
142.5°	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9
145°	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
147.5°	1.9	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
150°	5.6	5.6	5.6	3.7	1.9	1.9	1.9	3.7	1.9	1.9	1.9
152.5°	5.6	5.6	5.6	3.7	0.0	0.0	1.9	1.9	3.7	1.9	1.9
155°	3.7	3.7	3.7	0.0	0.0	0.0	1.9	1.9	1.9	3.7	3.7
157.5°	1.9	1.9	1.9	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9
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°	512.0	512.0	512.0	512.0	512.0	512.0	512.0	512.0	512.0	512.0	512.0
2.5°	510.1	508.3	506.4	504.6	500.9	497.1	487.9	448.9	448.9	450.8	450.8
5°	500.9	499.0	493.4	458.2	437.8	426.7	430.4	430.4	430.4	432.2	435.9
7.5°	437.8	435.9	410.0	408.1	415.5	424.8	430.4	421.1	402.5	402.5	402.5
10°	382.1	380.3	333.9	324.6	333.9	356.2	413.7	424.8	432.2	434.1	437.8
12.5°	333.9	328.3	287.5	317.2	296.8	333.9	385.8	428.5	389.6	382.1	382.1
15°	371.0	369.2	320.9	278.3	280.1	333.9	306.1	402.5	424.8	428.5	430.4
17.5°	324.6	320.9	294.9	293.1	309.8	269.0	339.5	384.0	365.4	371.0	371.0
20°	387.7	385.8	337.6	280.1	276.4	328.3	300.5	348.7	415.5	428.5	430.4
22.5°	300.5	300.5	309.8	328.3	298.7	313.5	320.9	369.2	356.2	363.6	385.8
25°	426.7	422.9	374.7	294.9	320.9	302.4	335.8	350.6	411.8	426.7	430.4
27.5°	517.6	508.3	402.5	332.1	289.4	324.6	322.8	339.5	348.7	406.3	413.7
30°	610.3	601.0	517.6	372.9	300.5	280.1	307.9	363.6	419.2	428.5	435.9
32.5°	643.7	636.3	528.7	395.1	302.4	298.7	306.1	363.6	460.0	497.1	504.6
35°	678.9	669.7	539.8	385.8	294.9	278.3	289.4	374.7	458.2	482.3	487.9
37.5°	721.6	704.9	552.8	367.3	274.5	263.4	276.4	341.3	435.9	460.0	463.8
40°	775.4	758.7	569.5	346.9	254.1	244.9	252.3	317.2	382.1	402.5	411.8
42.5°	857.0	825.5	576.9	330.2	235.6	226.3	233.7	285.7	335.8	348.7	354.3
45°	962.8	907.1	588.0	307.9	218.9	205.9	217.0	261.6	285.7	285.7	285.7
47.5°	1092.6	1003.6	593.6	289.4	198.5	187.4	198.5	237.4	250.4	243.0	241.2
50°	1252.1	1126.0	621.4	267.1	181.8	172.5	191.1	209.6	215.2	218.9	218.9
52.5°	1439.5	1267.0	638.1	244.9	170.7	165.1	183.6	196.6	198.5	202.2	202.2
55°	1643.6	1421.0	647.4	224.5	163.2	155.8	176.2	189.2	189.2	192.9	192.9
57.5°	1855.0	1599.0	671.5	209.6	155.8	148.4	168.8	191.1	183.6	191.1	192.9
60°	2077.6	1764.1	651.1	194.8	144.7	142.8	170.7	204.1	202.2	211.5	213.3
62.5°	2287.3	1895.8	560.2	181.8	137.3	144.7	191.1	230.0	224.5	239.3	239.3
65°	2406.0	1940.4	411.8	174.4	131.7	155.8	211.5	256.0	237.4	244.9	241.2
67.5°	2431.9	1895.8	296.8	165.1	129.9	174.4	226.3	261.6	235.6	243.0	243.0
70°	2370.7	1792.0	239.3	157.7	128.0	176.2	230.0	261.6	237.4	254.1	250.4
72.5°	2094.3	1524.8	204.1	150.3	128.0	172.5	235.6	263.4	243.0	270.8	265.3
75°	1578.6	1140.8	179.9	142.8	120.6	167.0	239.3	265.3	235.6	265.3	261.6
77.5°	938.6	651.1	159.5	133.6	111.3	161.4	235.6	265.3	230.0	261.6	257.8
80°	397.0	306.1	135.4	116.9	102.0	154.0	231.9	263.4	220.7	254.1	248.6
82.5°	250.4	207.8	115.0	96.5	100.2	152.1	233.7	259.7	217.0	256.0	237.4
85°	202.2	170.7	98.3	81.6	92.8	155.8	224.5	235.6	187.4	220.7	215.2
87.5°	170.7	142.8	44.5	35.2	68.6	120.6	170.7	176.2	135.4	172.5	165.1
90°	187.4	155.8	42.7	29.7	61.2	105.7	157.7	154.0	129.9	165.1	163.2
92.5°	204.1	165.1	40.8	31.5	68.6	115.0	172.5	155.8	137.3	167.0	165.1
95°	211.5	168.8	39.0	33.4	81.6	126.1	183.6	152.1	144.7	154.0	152.1
97.5°	159.5	122.4	37.1	35.2	85.3	142.8	172.5	128.0	94.6	94.6	92.8
100°	40.8	40.8	33.4	33.4	57.5	103.9	131.7	94.6	53.8	40.8	42.7
102.5°	11.1	13.0	29.7	31.5	31.5	46.4	74.2	61.2	35.2	5.6	5.6
105°	11.1	11.1	20.4	24.1	16.7	14.8	29.7	33.4	26.0	3.7	5.6
107.5°	11.1	11.1	9.3	13.0	5.6	7.4	7.4	9.3	9.3	3.7	3.7
110°	13.0	11.1	5.6	5.6	3.7	3.7	3.7	3.7	3.7	7.4	7.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.0	11.1	5.6	3.7	3.7	3.7	3.7	3.7	3.7	9.3	9.3
115°	11.1	9.3	5.6	3.7	3.7	3.7	3.7	1.9	3.7	11.1	11.1
117.5°	13.0	11.1	5.6	3.7	1.9	3.7	3.7	1.9	3.7	13.0	13.0
120°	14.8	13.0	5.6	3.7	1.9	1.9	1.9	1.9	5.6	13.0	13.0
122.5°	14.8	14.8	7.4	1.9	1.9	1.9	1.9	1.9	5.6	13.0	13.0
125°	14.8	13.0	5.6	1.9	1.9	1.9	0.0	1.9	5.6	13.0	14.8
127.5°	11.1	11.1	5.6	1.9	1.9	1.9	0.0	1.9	5.6	11.1	13.0
130°	9.3	9.3	3.7	1.9	1.9	1.9	0.0	1.9	5.6	11.1	11.1
132.5°	7.4	7.4	3.7	1.9	1.9	0.0	0.0	0.0	5.6	9.3	9.3
135°	5.6	5.6	1.9	1.9	1.9	0.0	0.0	0.0	3.7	7.4	7.4
137.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	1.9	3.7	3.7
140°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9
142.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9
145°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	1.9
147.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9
150°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	1.9	3.7	1.9	3.7
152.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	1.9	3.7	3.7	3.7
155°	3.7	3.7	3.7	1.9	1.9	0.0	0.0	0.0	1.9	3.7	3.7
157.5°	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)