

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: P560537

Luminaire Tested: **SDL-PA1-50-730-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560537
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-730-U-T2R
Description: Springdale
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5804.7 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - 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



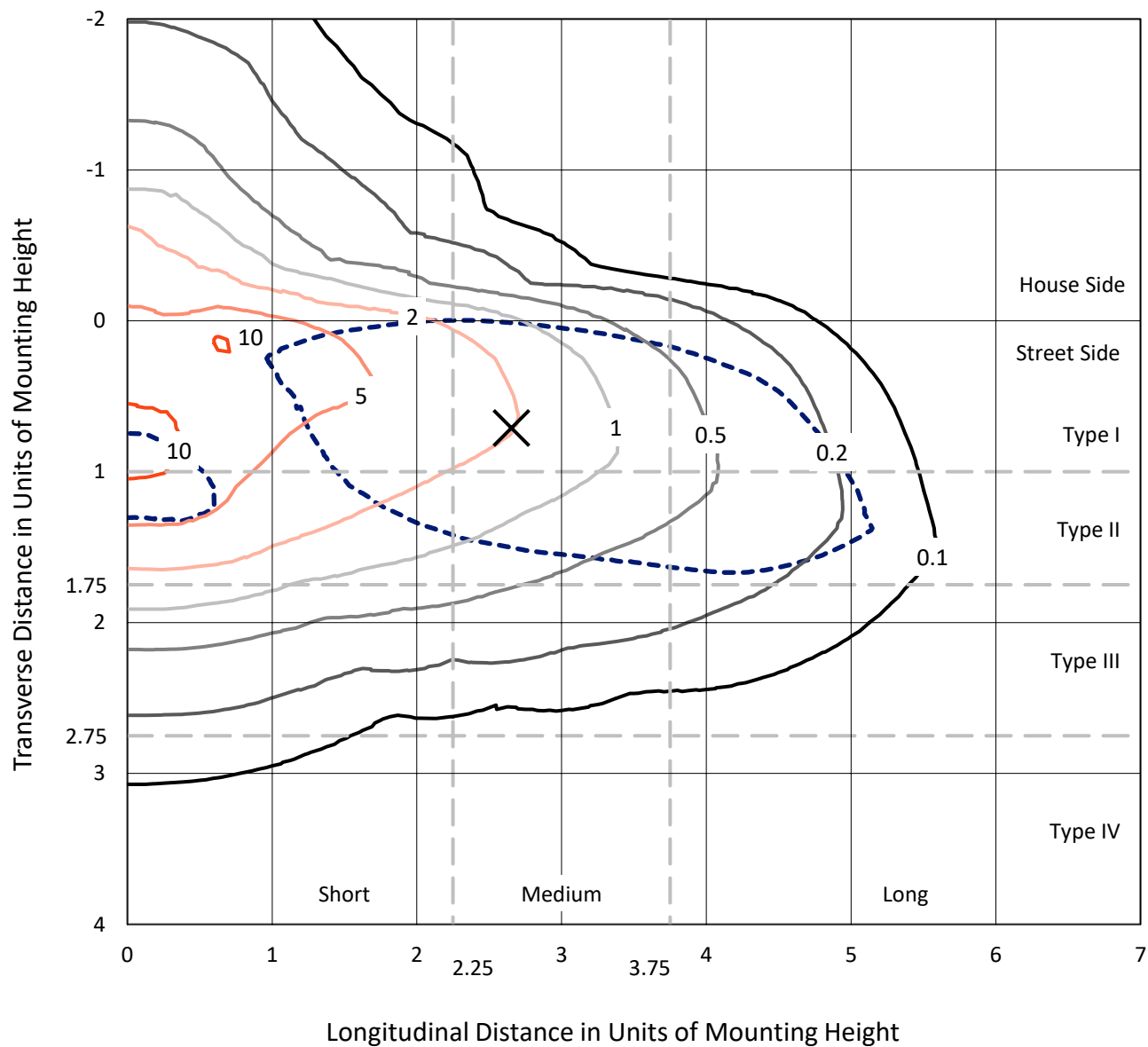
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



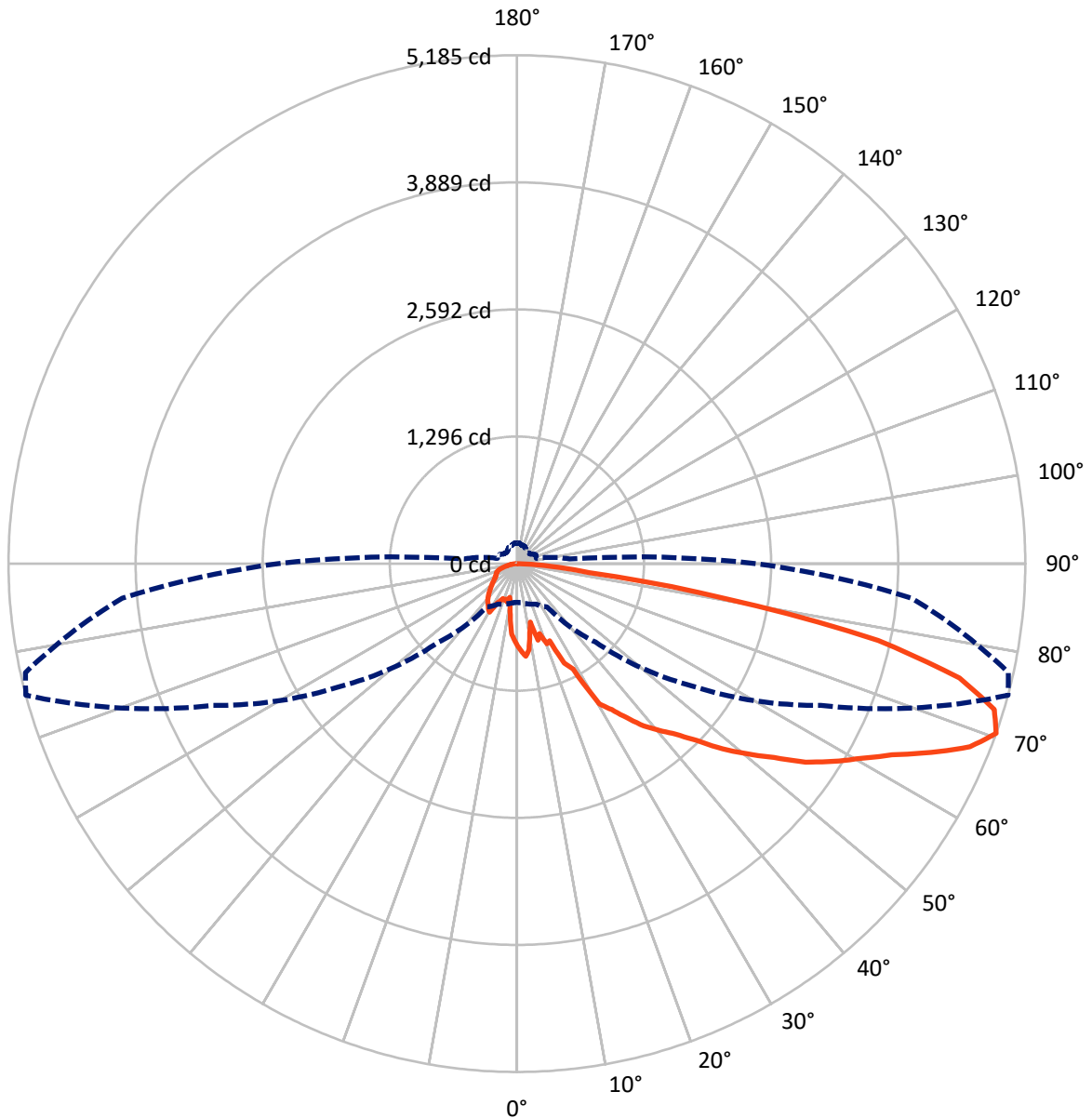
Based on 10 foot mounting height. Maximum calculated value = 13.2 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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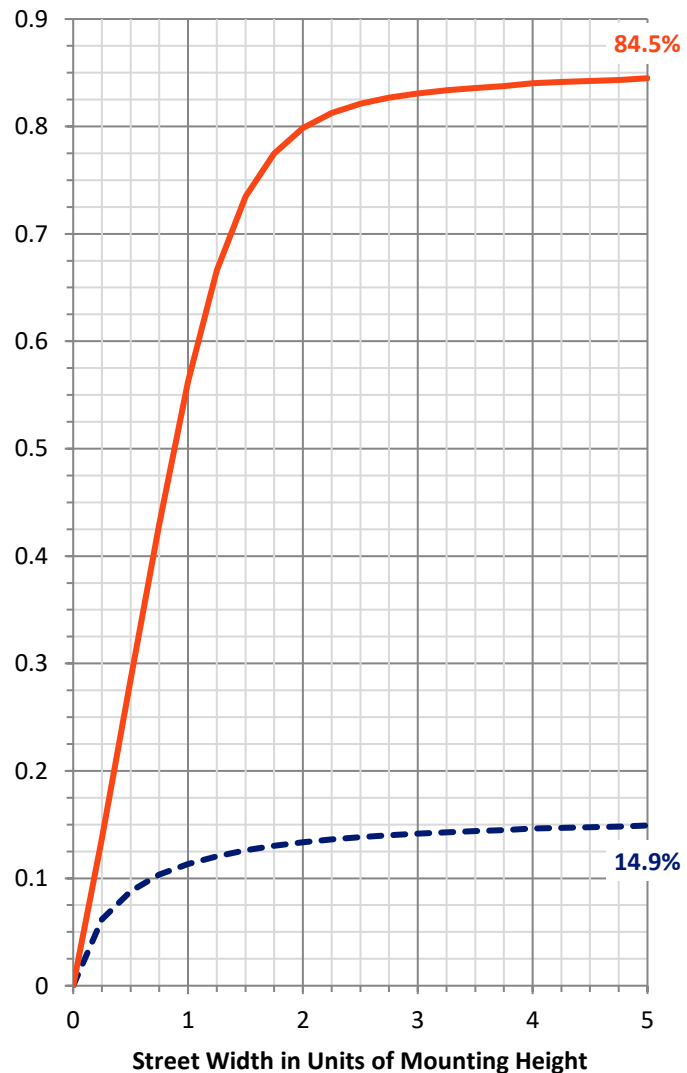
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	883.0	0.0	883.0
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	4921.7	0.0	4921.7
	% Fixture	84.8	0.0	84.8
Total	Lumens	5804.7	0.0	5804.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.4	1.2
10°-20°	184.4	3.2
20°-30°	337.1	5.8
30°-40°	684.4	11.8
40°-50°	1050.4	18.1
50°-60°	1266.3	21.8
60°-70°	1224.6	21.1
70°-80°	849.5	14.6
80°-90°	138.7	2.4
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°	5804.7	100.0
0°-180°	5804.7	100.0



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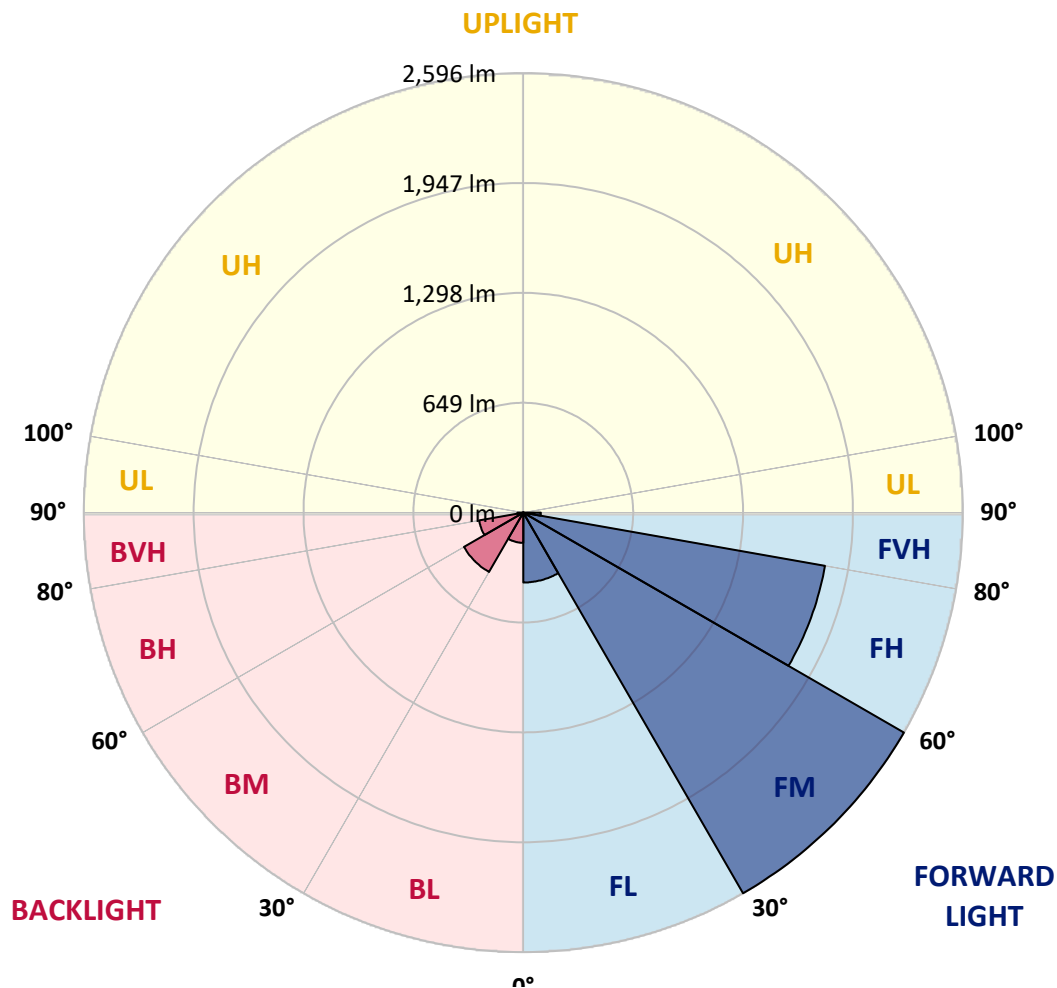
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	412.6	7.1			
FM	(30°-60°)	2596.0	44.7			
FH	(60°-80°)	1809.2	31.2			G2/5000
FVH	(80°-90°)	103.9	1.8			G2/225
BL	(0°-30°)	178.3	3.1	B1/500		
BM	(30°-60°)	405.0	7.0	B1/1000		
BH	(60°-80°)	264.9	4.6	B1/500		G1/500
BVH	(80°-90°)	34.8	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	838.9	838.9	838.9	838.9	838.9	838.9	838.9	838.9	838.9	838.9	838.9
2.5°	870.9	954.2	913.6	960.6	984.0	969.1	956.3	924.3	896.5	885.9	858.1
5°	960.6	958.4	947.8	943.5	924.3	900.8	881.6	988.3	949.9	930.7	881.6
7.5°	851.7	924.3	977.6	1005.4	1005.4	977.6	947.8	817.5	883.7	866.6	796.2
10°	1069.4	1069.4	1067.3	1069.4	877.3	924.3	794.1	738.6	715.1	770.6	715.1
12.5°	909.3	988.3	1078.0	1110.0	1022.5	873.0	813.3	781.3	612.6	599.8	634.0
15°	1069.4	1075.8	1084.4	954.2	811.1	926.4	708.7	702.3	811.1	791.9	800.5
17.5°	858.1	866.6	1052.3	1028.9	943.5	702.3	883.7	789.8	749.2	723.6	721.5
20°	1082.2	1086.5	1084.4	813.3	870.9	956.3	915.7	695.9	873.0	883.7	894.4
22.5°	915.7	917.9	928.5	1035.3	881.6	996.8	826.1	1037.4	856.0	881.6	666.0
25°	1231.7	1231.7	1193.2	932.8	1067.3	909.3	1005.4	892.3	1122.8	1092.9	1001.1
27.5°	1148.4	1139.9	1095.0	1154.8	962.7	1150.5	994.7	1120.7	1218.8	1176.2	1214.6
30°	1613.7	1624.4	1566.8	1199.6	1171.9	1103.6	1146.3	1327.7	1658.6	1635.1	1460.1
32.5°	2160.2	2059.9	1797.3	1554.0	1280.7	1346.9	1280.7	1566.8	1776.0	1780.2	1545.4
35°	2424.9	2416.3	2303.2	1833.6	1472.9	1472.9	1436.6	1635.1	1927.5	1899.8	1637.2
37.5°	2636.2	2623.4	2544.4	2072.7	1645.8	1637.2	1519.8	1739.7	2100.4	2030.0	1737.5
40°	2815.5	2798.4	2730.1	2239.2	1833.6	1793.0	1622.3	1859.2	2234.9	2241.3	1833.6
42.5°	2935.1	2928.6	2879.6	2390.7	1989.4	1916.9	1758.9	2012.9	2377.9	2414.2	1953.1
45°	3029.0	3026.8	2984.1	2557.2	2100.4	2030.0	1904.0	2128.2	2574.3	2595.7	2081.2
47.5°	3039.6	3048.2	3048.2	2640.5	2177.3	2130.3	2053.5	2230.6	2824.1	2779.2	2230.6
50°	2928.6	2937.2	2990.5	2779.2	2243.4	2213.6	2181.5	2354.4	3052.5	2986.3	2388.6
52.5°	2644.7	2664.0	2809.1	2710.9	2277.6	2275.5	2301.1	2514.5	3285.1	3214.7	2597.8
55°	2034.3	2047.1	2407.8	2510.3	2266.9	2290.4	2390.7	2713.1	3573.3	3511.4	2817.6
57.5°	1554.0	1590.3	1816.5	2130.3	2149.5	2277.6	2448.4	2851.8	3806.0	3744.1	3020.4
60°	1250.9	1276.5	1408.8	1684.2	1897.6	2222.1	2527.3	3024.7	4032.2	4002.3	3238.2
62.5°	979.8	996.8	1088.6	1270.1	1541.2	2091.9	2576.4	3212.5	4292.6	4277.7	3522.1
65°	702.3	719.4	800.5	920.0	1191.1	1846.4	2553.0	3391.9	4642.7	4627.8	3797.4
67.5°	512.3	516.6	569.9	651.0	845.3	1494.2	2437.7	3505.0	4984.2	4954.4	4008.7
70°	394.9	399.2	424.8	454.7	540.0	1131.3	2168.7	3419.6	5184.9	5133.7	4040.8
72.5°	320.2	320.2	330.9	345.8	369.3	738.6	1703.4	3084.5	5091.0	4990.7	3773.9
75°	269.0	269.0	275.4	271.1	258.3	461.1	1184.7	2576.4	4661.9	4536.0	3285.1
77.5°	226.3	224.1	224.1	226.3	200.7	313.8	723.6	1985.2	3767.5	3645.9	2435.6
80°	185.7	185.7	185.7	185.7	164.4	224.1	431.2	1317.0	2164.5	1889.1	1116.4
82.5°	136.6	138.7	145.2	145.2	136.6	164.4	224.1	550.7	740.7	655.3	394.9
85°	64.0	66.2	85.4	89.7	87.5	81.1	117.4	247.6	345.8	313.8	91.8
87.5°	2.1	2.1	8.5	19.2	17.1	12.8	23.5	34.2	12.8	14.9	10.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	838.9	838.9	838.9	838.9	838.9	838.9	838.9	838.9	838.9	838.9	838.9
2.5°	838.9	819.7	774.9	736.4	695.9	668.1	606.2	561.4	537.9	533.6	540.0
5°	843.2	800.5	710.8	597.7	512.3	491.0	482.4	480.3	478.1	478.1	478.1
7.5°	742.8	687.3	552.9	469.6	482.4	482.4	482.4	476.0	437.6	420.5	420.5
10°	655.3	582.7	412.0	380.0	382.1	401.3	452.5	505.9	516.6	518.7	520.8
12.5°	567.8	497.4	350.1	369.3	333.0	394.9	467.5	520.8	469.6	444.0	444.0
15°	715.1	614.8	405.6	324.5	328.7	394.9	356.5	482.4	516.6	518.7	520.8
17.5°	644.6	542.2	377.8	341.5	360.7	301.0	407.7	456.8	420.5	416.2	412.0
20°	783.4	644.6	394.9	339.4	337.3	365.0	345.8	345.8	469.6	469.6	469.6
22.5°	580.6	478.1	384.2	382.1	322.3	360.7	343.7	384.2	369.3	362.9	362.9
25°	851.7	674.5	420.5	335.1	345.8	318.1	354.3	315.9	390.6	394.9	394.9
27.5°	1022.5	791.9	456.8	371.4	318.1	341.5	292.4	318.1	301.0	303.1	303.1
30°	1218.8	928.5	567.8	388.5	326.6	281.8	290.3	275.4	326.6	320.2	318.1
32.5°	1272.2	937.1	546.5	412.0	318.1	283.9	262.6	283.9	303.1	330.9	330.9
35°	1334.1	945.6	516.6	392.8	311.6	264.7	260.4	283.9	307.4	298.8	298.8
37.5°	1391.7	952.0	493.1	369.3	286.0	258.3	258.3	262.6	286.0	273.2	273.2
40°	1457.9	954.2	465.3	343.7	264.7	254.0	239.1	243.3	245.5	236.9	234.8
42.5°	1532.6	952.0	433.3	320.2	245.5	236.9	226.3	226.3	232.7	230.5	228.4
45°	1613.7	949.9	399.2	292.4	224.1	213.5	207.1	232.7	243.3	243.3	239.1
47.5°	1711.9	949.9	367.1	260.4	209.2	192.1	187.8	215.6	236.9	241.2	245.5
50°	1825.1	945.6	337.3	236.9	194.2	179.3	185.7	213.5	230.5	236.9	234.8
52.5°	1972.4	937.1	311.6	217.7	183.6	164.4	175.0	207.1	228.4	230.5	228.4
55°	2100.4	907.2	286.0	209.2	175.0	155.8	168.6	204.9	224.1	224.1	224.1
57.5°	2209.3	864.5	264.7	202.8	172.9	153.7	166.5	202.8	215.6	222.0	222.0
60°	2341.6	811.1	249.7	200.7	170.8	151.6	164.4	200.7	211.3	219.9	219.9
62.5°	2478.2	766.3	241.2	200.7	164.4	153.7	164.4	200.7	209.2	219.9	217.7
65°	2589.2	708.7	232.7	204.9	162.2	153.7	164.4	200.7	207.1	217.7	217.7
67.5°	2582.8	629.7	222.0	215.6	164.4	155.8	164.4	198.5	202.8	217.7	213.5
70°	2437.7	537.9	204.9	213.5	170.8	155.8	162.2	192.1	194.2	213.5	207.1
72.5°	2175.1	435.5	181.4	200.7	170.8	158.0	158.0	183.6	183.6	204.9	192.1
75°	1820.8	335.1	149.4	177.2	162.2	162.2	149.4	172.9	168.6	181.4	168.6
77.5°	1357.6	254.0	115.3	147.3	147.3	160.1	143.0	160.1	153.7	155.8	149.4
80°	565.7	153.7	87.5	115.3	125.9	155.8	136.6	145.2	130.2	130.2	125.9
82.5°	234.8	98.2	59.8	72.6	85.4	138.7	130.2	123.8	106.7	98.2	91.8
85°	85.4	53.4	40.6	49.1	55.5	96.1	93.9	79.0	61.9	68.3	55.5
87.5°	6.4	8.5	8.5	10.7	10.7	12.8	21.3	21.3	12.8	10.7	6.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	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°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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



Report Generated By 670245982



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110°	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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110°	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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(END OF REPORT)