

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: P946592

Luminaire Tested: **GLAN-SB2A-940-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-940-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

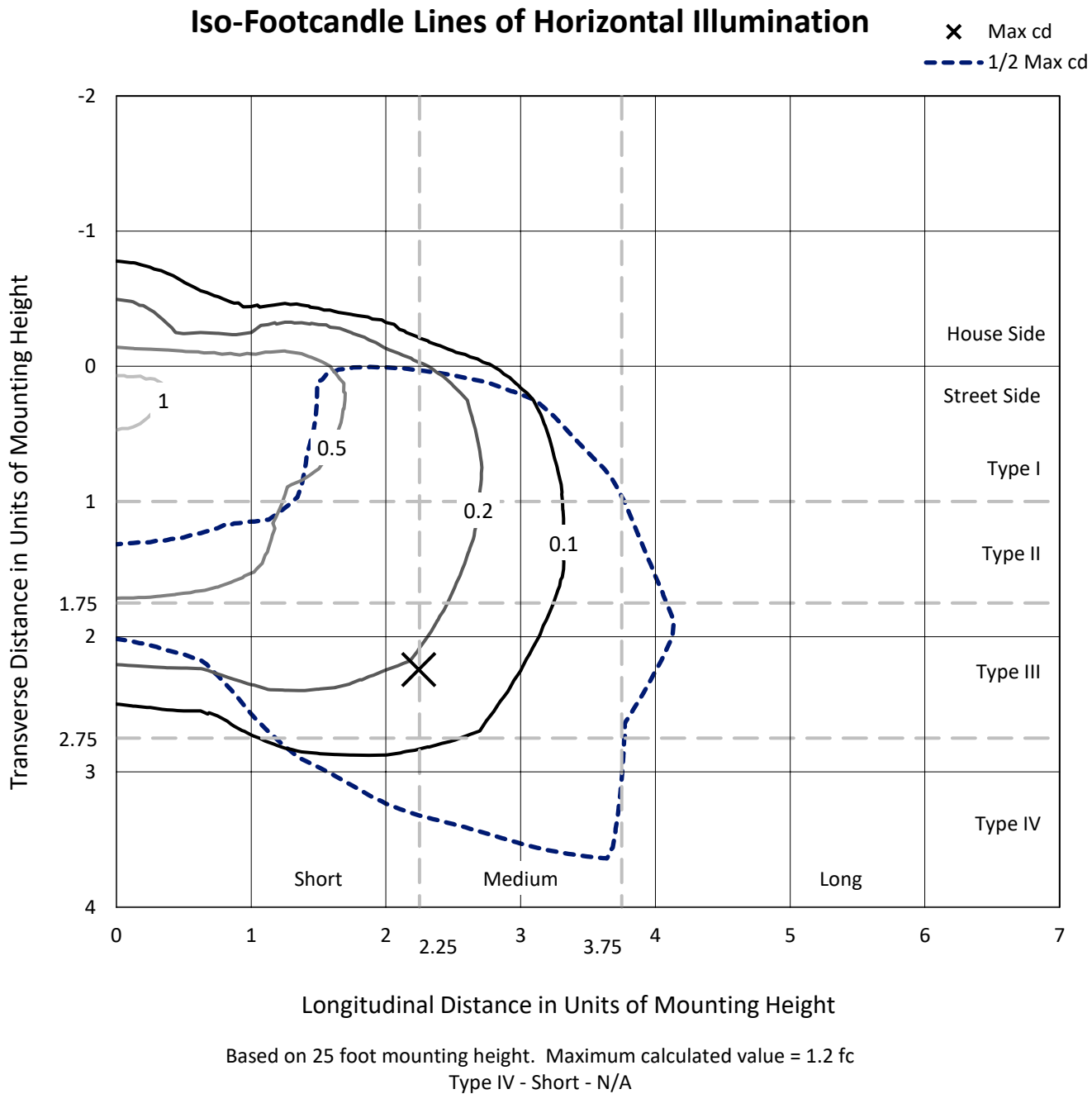
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5007 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

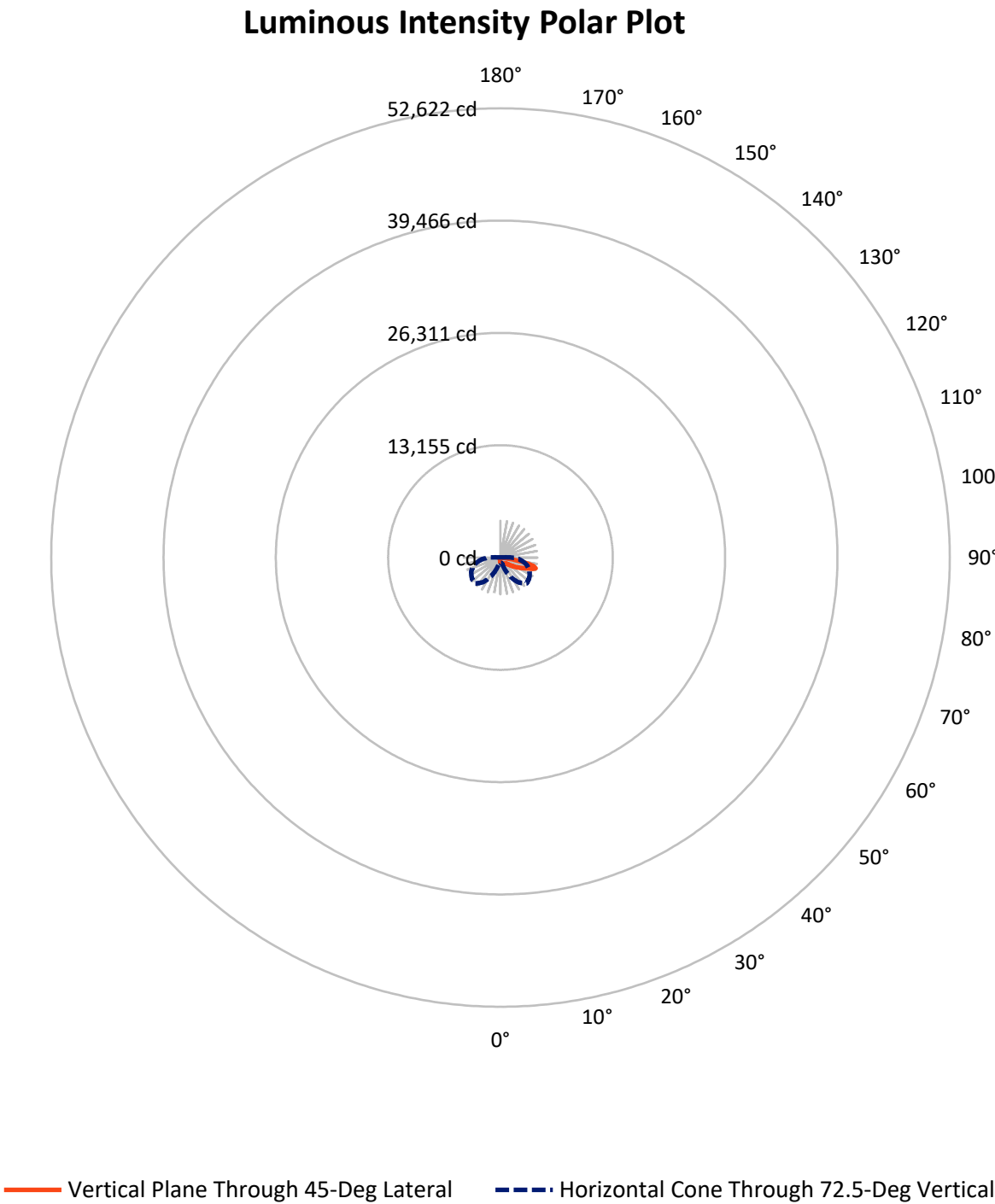
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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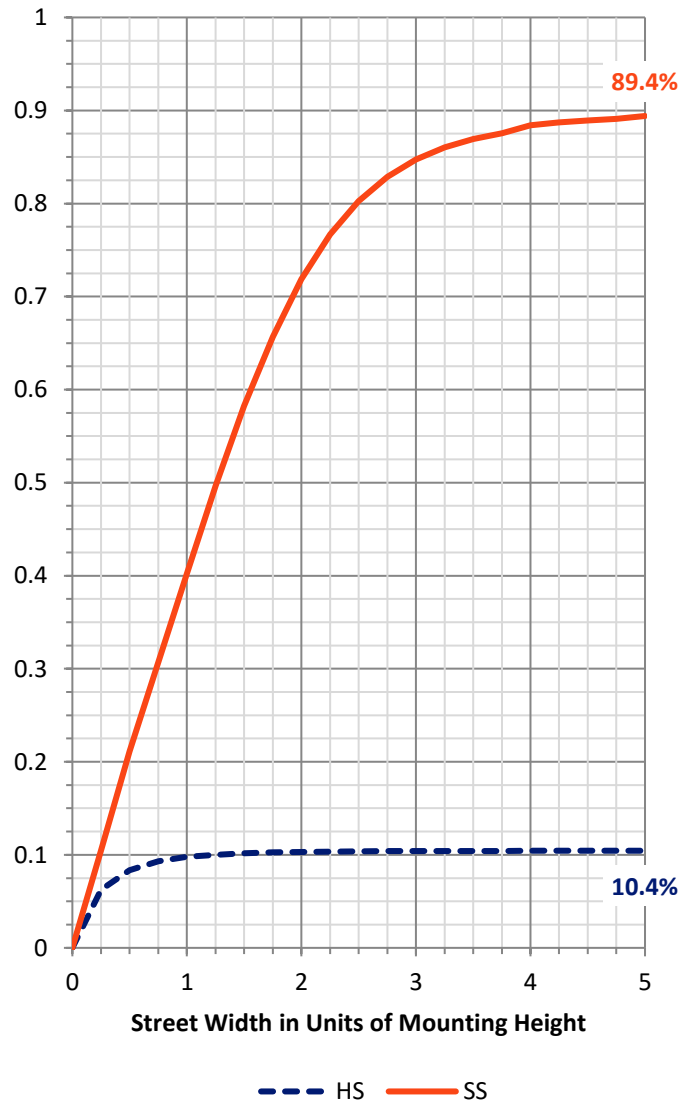
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	526.1	0.0	526.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	4480.9	0.0	4480.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	5007.0	0.0	5007.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	1.0
10°-20°	151.0	3.0
20°-30°	248.0	5.0
30°-40°	351.8	7.0
40°-50°	581.5	11.6
50°-60°	1044.5	20.9
60°-70°	1450.4	29.0
70°-80°	1052.0	21.0
80°-90°	76.1	1.5
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°	5007.0	100.0
0°-180°	5007.0	100.0

Coefficient of Utilization



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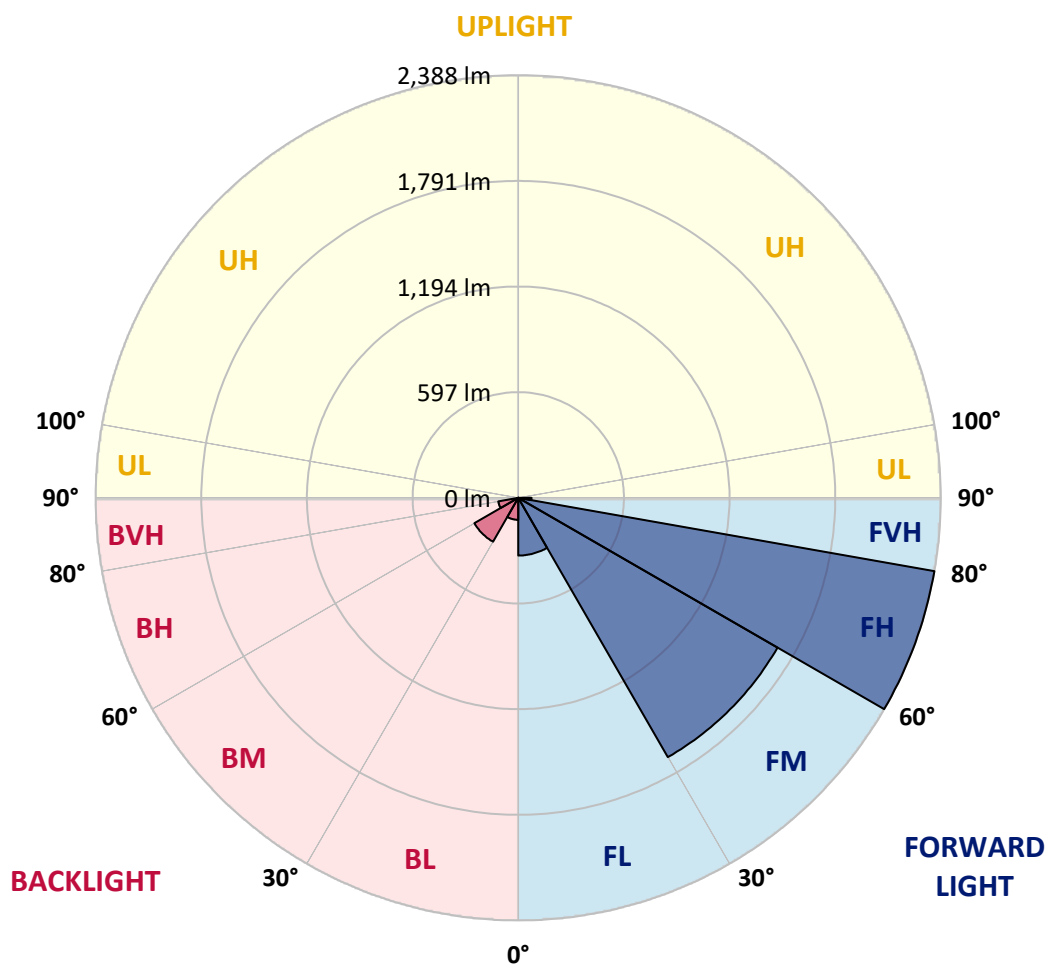
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	326.2	6.5			
FM	(30°-60°)	1691.6	33.8			
FH	(60°-80°)	2387.7	47.7			G2/5000
FVH	(80°-90°)	75.4	1.5			G1/100
BL	(0°-30°)	124.6	2.5	B1/500		
BM	(30°-60°)	286.1	5.7	B1/1000		
BH	(60°-80°)	114.7	2.3	B1/500		G1/500
BVH	(80°-90°)	0.6	0.0			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5
2.5°	599.1	600.1	599.4	595.3	588.5	584.8	582.7	575.9	571.4	563.6
5°	654.1	658.2	655.8	647.6	634.7	625.4	622.7	608.7	596.0	581.3
7.5°	712.6	714.6	710.2	699.6	682.2	666.4	664.0	644.6	624.4	601.8
10°	763.2	765.5	758.7	743.3	723.5	704.0	700.6	679.1	655.2	627.5
12.5°	805.5	807.9	799.0	780.6	758.7	738.5	735.1	712.6	686.3	655.5
15°	837.7	842.1	830.1	810.3	786.7	766.6	764.9	742.6	717.0	682.8
17.5°	856.5	860.9	849.6	825.7	805.5	788.4	786.4	767.9	744.0	711.2
20°	859.5	863.6	851.7	830.8	814.1	800.4	799.4	786.1	768.6	737.2
22.5°	850.3	855.4	844.5	827.7	816.1	808.9	807.6	800.1	790.2	763.5
25°	840.7	844.8	836.6	821.9	815.8	815.1	816.1	814.8	812.7	790.2
27.5°	840.1	844.5	835.3	821.3	817.8	825.0	826.0	832.5	834.2	814.4
30°	845.9	848.9	840.1	825.4	823.6	840.1	840.4	852.0	854.7	834.9
32.5°	858.5	861.9	853.0	831.5	829.1	852.0	853.0	868.4	872.9	856.8
35°	888.2	892.3	882.1	848.6	840.1	863.3	866.4	884.5	893.4	880.0
37.5°	962.4	950.4	936.4	883.1	865.0	881.1	886.2	907.4	923.1	907.7
40°	1146.6	1109.0	1065.3	941.9	908.7	919.0	923.1	944.3	965.8	950.8
42.5°	1423.1	1378.7	1308.3	1077.2	974.7	979.8	982.9	1001.4	1031.8	1019.8
45°	1669.5	1653.4	1581.7	1308.3	1098.1	1072.8	1076.5	1086.1	1130.9	1126.4
47.5°	1858.8	1849.6	1794.2	1573.5	1306.6	1186.6	1197.2	1201.6	1266.2	1281.9
50°	2004.4	2001.0	1951.5	1809.3	1578.9	1354.4	1358.2	1348.6	1445.3	1484.3
52.5°	2141.8	2153.4	2116.9	2028.4	1869.8	1574.2	1573.5	1528.4	1658.9	1717.7
55°	2265.9	2270.0	2273.7	2251.9	2162.3	1824.3	1817.8	1744.0	1906.7	1967.5
57.5°	2382.4	2384.1	2417.6	2462.4	2466.8	2092.9	2081.0	1992.5	2177.4	2220.8
60°	2460.7	2468.5	2539.3	2663.7	2718.0	2370.1	2363.6	2273.4	2452.8	2473.0
62.5°	2347.9	2395.7	2574.1	2820.9	2955.2	2677.4	2674.3	2589.5	2742.6	2726.2
65°	1900.5	1981.5	2295.3	2927.2	3188.0	3020.5	3024.9	2934.7	3040.3	2987.0
67.5°	1329.5	1414.9	1786.0	2935.7	3448.0	3423.4	3449.1	3307.6	3356.4	3236.8
70°	919.3	963.4	1205.1	2751.9	3650.7	3978.4	3977.8	3765.5	3670.9	3350.6
72.5°	618.2	641.1	782.6	2183.2	3501.7	4308.2	4288.4	4115.5	3776.8	3133.6
75°	260.8	277.5	362.3	1226.9	2770.3	3941.5	3887.9	3637.0	3355.8	2467.5
77.5°	82.7	89.9	142.9	439.2	1526.0	2962.7	2906.0	2271.3	2249.1	1237.9
80°	39.3	45.8	80.3	176.3	600.5	1611.4	1603.5	1030.4	967.5	334.2
82.5°	17.1	20.2	44.4	94.3	268.6	574.8	586.5	350.6	290.2	126.8
85°	5.5	7.2	20.5	43.4	113.5	142.9	141.1	83.4	116.9	69.0
87.5°	0.0	0.0	6.8	9.9	11.6	8.2	9.2	7.2	32.5	19.1
90°	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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
548.5	0°	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5
555.4	2.5°	551.3	545.8	536.2	527.3	519.5	511.6	506.8	500.0	499.3	499.3
564.2	5°	555.0	546.1	529.0	510.9	490.1	470.3	450.4	431.3	425.2	420.7
578.6	7.5°	566.0	551.9	524.9	490.4	450.8	407.4	377.0	344.2	331.5	324.7
597.7	10°	581.7	562.5	521.5	461.0	396.8	337.7	294.3	258.7	245.0	239.2
618.6	12.5°	599.1	575.5	515.4	424.5	337.7	266.9	224.5	208.1	206.1	206.1
643.5	15°	620.0	591.2	504.8	381.4	275.8	211.2	196.2	196.9	198.9	200.3
667.8	17.5°	641.5	608.0	488.0	333.2	221.1	190.0	190.4	191.4	193.1	194.5
694.1	20°	664.7	624.7	465.8	282.0	189.7	183.9	184.9	185.9	187.3	188.0
718.7	22.5°	689.7	640.5	439.5	231.7	179.1	178.7	179.1	180.1	181.8	181.8
747.4	25°	716.3	657.9	409.4	195.1	173.6	173.6	174.3	175.0	176.3	176.3
775.1	27.5°	743.7	674.0	377.6	176.0	168.8	168.5	168.5	169.5	170.2	170.5
802.5	30°	773.7	692.8	345.9	171.9	165.1	163.4	162.3	163.0	163.7	164.0
831.2	32.5°	804.5	710.9	317.5	173.6	161.3	158.2	154.8	154.1	154.1	155.5
860.9	35°	838.7	730.7	295.6	179.4	159.3	150.7	145.2	142.2	142.5	144.6
896.4	37.5°	879.7	754.6	279.6	184.6	157.9	142.2	133.3	129.5	127.1	129.5
945.3	40°	933.4	789.8	267.9	188.7	156.2	132.3	120.3	114.1	109.7	111.1
1021.2	42.5°	1012.3	845.2	263.5	189.0	152.4	120.6	107.0	98.8	92.3	92.6
1135.3	45°	1123.0	932.7	286.4	184.6	144.2	108.0	93.0	82.0	77.9	76.9
1305.9	47.5°	1274.8	1060.1	339.4	175.3	132.3	95.7	79.3	70.1	67.0	65.3
1529.7	50°	1478.1	1223.8	398.2	165.1	120.3	84.1	68.0	62.2	60.2	58.4
1795.3	52.5°	1713.9	1389.9	446.3	154.8	108.3	73.8	60.8	57.4	55.7	54.3
2051.6	55°	1930.3	1504.4	443.6	143.9	96.7	65.6	55.7	53.7	51.6	50.2
2272.4	57.5°	2064.9	1520.5	365.7	131.9	83.4	59.1	50.9	49.6	47.2	45.5
2463.4	60°	2126.8	1428.9	256.3	116.2	70.1	53.0	45.8	45.1	42.0	39.6
2644.2	62.5°	2138.1	1258.7	170.9	96.7	58.4	47.2	40.7	39.6	35.5	31.4
2791.2	65°	2092.3	1015.4	118.2	75.5	49.9	41.0	34.9	32.8	28.4	24.3
2826.0	67.5°	1947.4	712.9	82.4	54.3	42.4	32.5	27.7	27.0	23.6	20.2
2648.3	70°	1681.8	406.4	55.0	40.7	33.5	22.2	21.9	22.6	19.1	16.4
2163.7	72.5°	1289.5	185.9	34.2	29.7	22.9	15.0	17.4	17.8	14.7	12.3
1350.0	75°	759.1	79.6	21.5	19.1	11.6	9.9	12.6	13.0	9.9	7.9
493.5	77.5°	258.4	30.1	13.7	11.3	5.8	5.5	8.2	8.2	5.5	3.1
99.1	80°	58.8	11.3	6.8	4.4	2.7	2.4	2.7	2.4	1.4	0.3
30.4	82.5°	16.7	4.4	2.7	1.7	1.0	1.0	0.3	0.0	0.0	0.0
10.6	85°	4.8	2.1	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
3.8	87.5°	2.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
548.5
501.0
422.8
325.7
239.2
206.1
200.3
194.5
188.3
182.5
176.7
170.9
164.7
156.5
145.6
128.8
110.4
91.3
75.5
64.3
58.1
54.0
49.6
45.1
39.0
29.4
22.9
19.1
15.0
10.9
6.8
2.4
0.0
0.0
0.0
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