

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: McGRAW-EDISON

Report Number: P944324

Luminaire Tested: **GALN-SB9B-722-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB9B-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

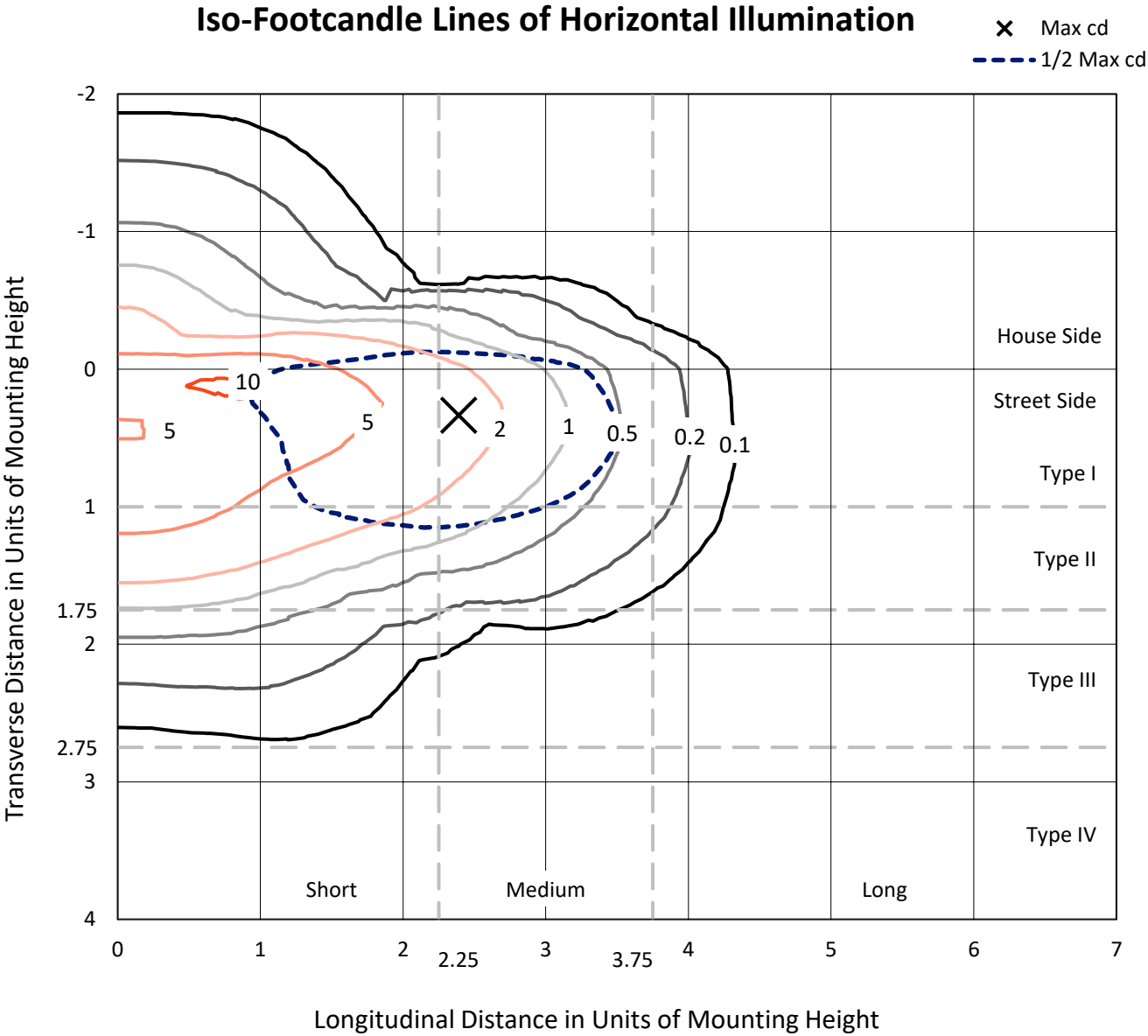
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30939 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 329.5
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

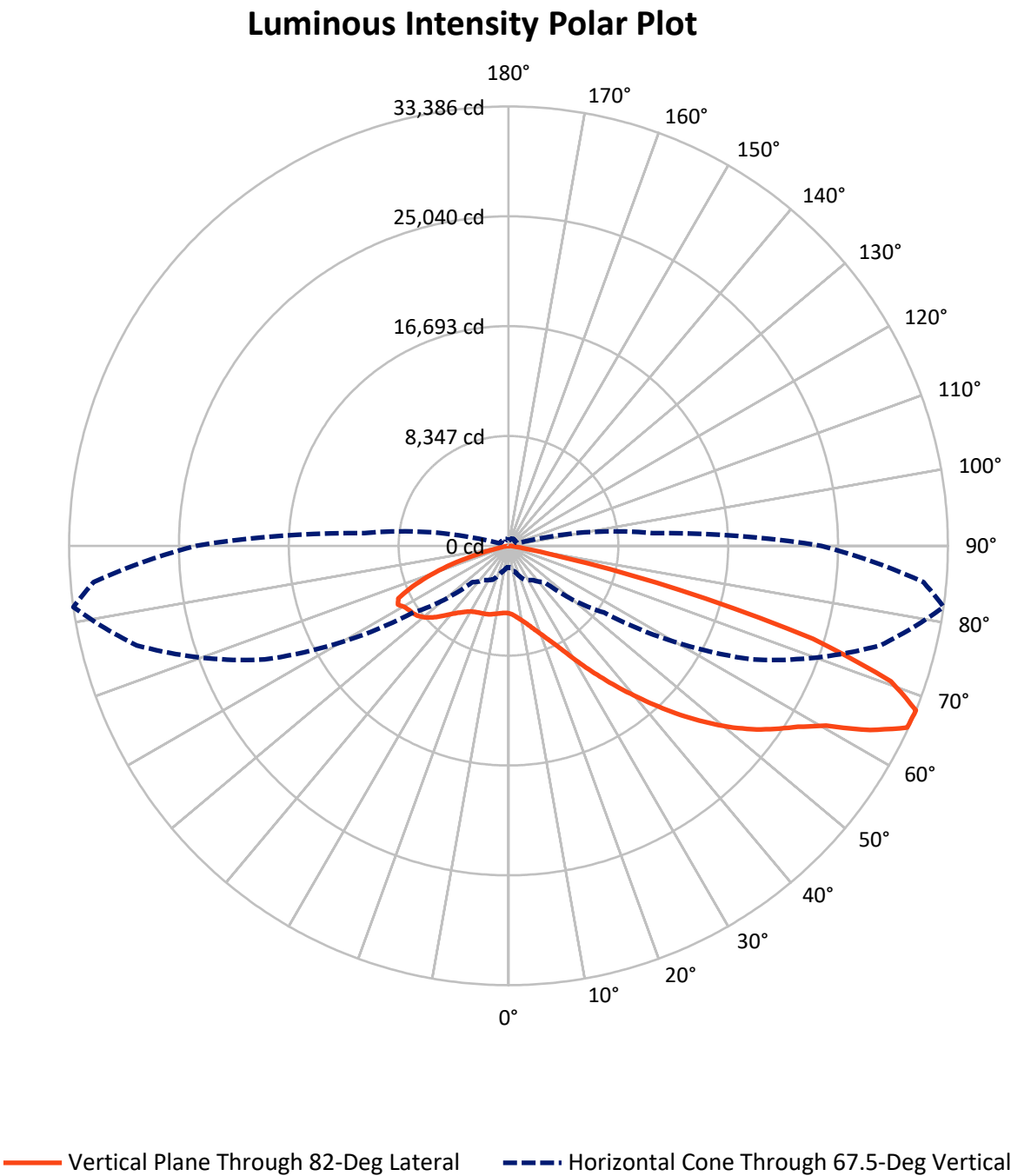


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Based on 25 foot mounting height. Maximum calculated value = 10.8 fc
Type II - Medium - N/A

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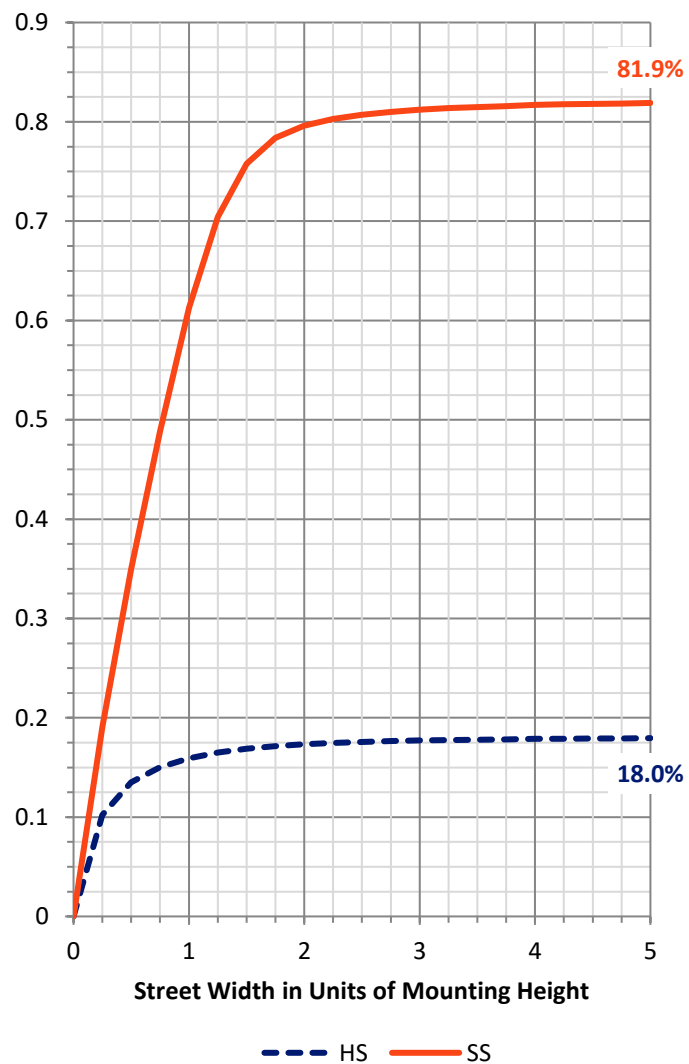
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5604.3	0.0	5604.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	25334.7	0.0	25334.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	30939.0	0.0	30939.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	456.6	1.5
10°-20°	1186.6	3.8
20°-30°	1900.6	6.1
30°-40°	3360.9	10.9
40°-50°	5888.6	19.0
50°-60°	7853.7	25.4
60°-70°	7311.4	23.6
70°-80°	2806.1	9.1
80°-90°	174.3	0.6
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°	30939.0	100.0
0°-180°	30939.0	100.0

Coefficient of Utilization



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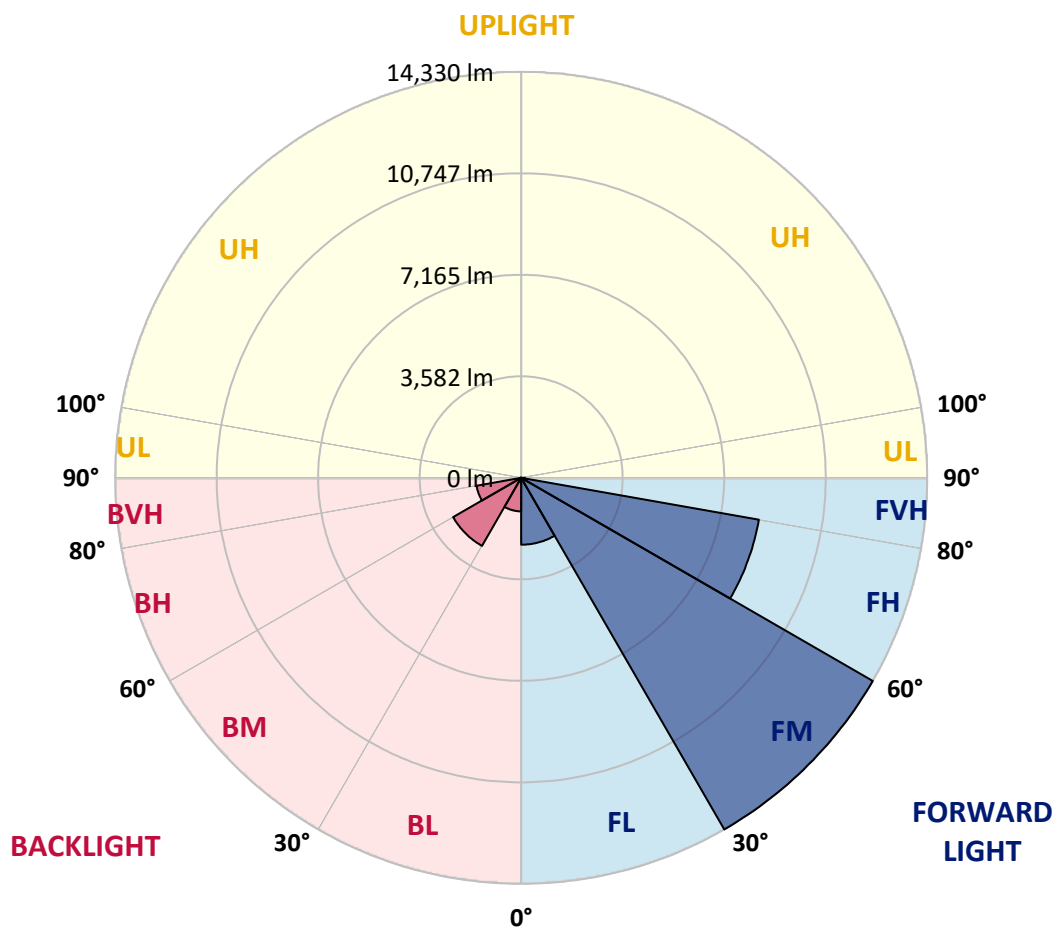
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2360.3	7.6			
FM	(30°-60°)	14329.7	46.3			
FH	(60°-80°)	8518.0	27.5			G4/12000
FVH	(80°-90°)	126.7	0.4			G2/225
BL	(0°-30°)	1183.6	3.8	B3/2500		
BM	(30°-60°)	2773.6	9.0	B3/5000		
BH	(60°-80°)	1599.6	5.2	B3/2500		G3/2500
BVH	(80°-90°)	47.6	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	5125.5	5125.5	5125.5	5125.5	5125.5	5125.5	5125.5	5125.5	5125.5	5125.5	5125.5
2.5°	5417.4	5448.5	5430.7	5421.8	5406.2	5383.9	5366.1	5310.4	5252.5	5214.6	5201.3
5°	5526.5	5557.7	5555.5	5564.4	5575.5	5582.2	5577.7	5515.4	5432.9	5368.3	5330.5
7.5°	5432.9	5468.6	5497.5	5542.1	5620.1	5702.5	5742.6	5729.2	5644.6	5555.5	5508.7
10°	5167.9	5205.7	5274.8	5379.5	5544.3	5722.5	5871.8	5940.8	5887.4	5789.3	5724.8
12.5°	4682.3	4720.1	4856.0	5083.2	5359.4	5669.1	5954.2	6139.1	6152.4	6054.4	5978.7
15°	4136.5	4174.4	4319.2	4604.3	5025.3	5522.0	5998.7	6348.5	6466.5	6381.9	6290.5
17.5°	3797.9	3831.4	3940.5	4169.9	4608.8	5228.0	5983.1	6571.2	6840.7	6773.9	6664.8
20°	3695.5	3724.4	3775.7	3936.0	4301.4	4922.8	5880.7	6780.6	7243.9	7206.1	7083.5
22.5°	3804.6	3831.4	3846.9	3918.2	4147.7	4722.4	5751.5	6994.4	7711.7	7716.2	7566.9
25°	4056.3	4083.1	4065.2	4109.8	4210.0	4660.0	5702.5	7246.2	8299.8	8348.8	8179.5
27.5°	4470.7	4472.9	4430.6	4428.3	4443.9	4753.5	5753.7	7515.7	9041.5	9132.9	8923.5
30°	5301.5	5268.1	5105.5	4929.5	4849.3	5034.2	5896.3	7834.2	9917.0	10079.6	9816.7
32.5°	6582.3	6533.3	6234.9	5813.9	5390.6	5486.4	6152.4	8197.3	10870.3	11164.4	10843.6
35°	7972.3	7959.0	7647.1	7021.2	6281.6	6130.2	6569.0	8674.0	11910.6	12378.4	11997.5
37.5°	9264.3	9257.6	9079.4	8342.1	7442.2	7027.9	7237.2	9297.7	13024.4	13701.5	13251.6
40°	10444.9	10464.9	10286.7	9627.4	8720.8	8179.5	8146.1	10068.4	14262.9	15142.7	14608.1
42.5°	11465.1	11487.4	11306.9	10819.1	9983.8	9453.6	9262.1	11012.9	15472.4	16690.9	16058.3
45°	12157.9	12296.0	12269.2	11879.4	11280.2	10730.0	10603.0	12198.0	16851.3	18332.6	17590.8
47.5°	12353.9	12480.8	12681.3	12734.8	12369.5	11828.2	11979.7	13625.8	18245.7	19976.5	19132.3
50°	11870.5	11988.6	12405.1	12959.8	13213.7	13046.6	13318.4	15156.1	19673.5	21615.9	20644.7
52.5°	10917.1	11037.4	11563.1	12440.8	13476.6	14002.3	14661.6	16664.1	21056.8	23168.5	22077.0
55°	9538.3	9665.3	10340.2	11333.7	12975.4	14396.5	15782.0	18170.0	22324.3	24565.2	23369.0
57.5°	7662.7	7756.3	8457.9	9847.9	11714.6	14004.5	16608.5	19813.9	23518.3	25937.4	24649.8
60°	4994.1	5076.5	5891.8	7442.2	9625.2	12694.7	16773.3	21647.1	25104.3	27721.6	26376.2
62.5°	3321.2	3376.9	3860.3	4998.6	6778.4	10179.8	15808.8	23110.6	27429.8	30826.8	29336.6
65°	2278.8	2334.5	2817.8	3610.8	4379.3	6733.8	13035.5	22916.8	29537.0	33292.7	31530.7
67.5°	1626.1	1672.9	2082.7	2831.2	3169.8	3911.5	8836.6	20439.8	29234.1	33386.2	31648.7
70°	1165.0	1191.7	1530.3	2205.3	2519.3	2350.0	4913.9	15632.8	25596.5	30829.0	29238.6
72.5°	815.3	824.2	1062.5	1679.6	2029.3	1715.2	2338.9	10422.6	19359.5	24197.7	22667.3
75°	552.4	563.6	715.0	1231.8	1628.3	1309.8	1238.5	5588.9	11364.9	13394.1	12006.4
77.5°	338.6	343.0	461.1	842.0	1218.5	997.9	797.5	2367.9	4397.1	4317.0	3679.9
80°	191.6	191.6	294.0	523.5	830.9	643.8	559.1	1006.8	1392.2	1222.9	1078.1
82.5°	106.9	109.1	213.8	325.2	550.2	380.9	307.4	465.6	601.4	532.4	463.3
85°	44.6	49.0	131.4	153.7	262.8	189.3	124.7	196.0	222.8	198.3	144.8
87.5°	4.5	6.7	40.1	29.0	31.2	37.9	17.8	37.9	31.2	31.2	22.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5125.5	5125.5	5125.5	5125.5	5125.5	5125.5	5125.5	5125.5	5125.5	5125.5	5125.5
2.5°	5159.0	5125.5	5040.9	4942.9	4813.7	4751.3	4666.7	4608.8	4559.8	4564.2	4519.7
5°	5259.2	5174.6	4985.2	4749.1	4455.1	4245.7	4022.9	3869.2	3744.5	3717.7	3657.6
7.5°	5397.3	5263.7	4931.8	4506.3	4009.6	3633.1	3296.7	3080.7	2927.0	2878.0	2829.0
10°	5575.5	5381.7	4862.7	4201.1	3486.1	3007.2	2646.3	2477.0	2372.3	2336.7	2309.9
12.5°	5782.7	5517.6	4771.4	3829.1	2947.0	2485.9	2256.5	2171.8	2138.4	2127.3	2120.6
15°	6043.3	5686.9	4633.3	3388.1	2490.4	2167.4	2069.4	2058.2	2062.7	2058.2	2056.0
17.5°	6352.9	5871.8	4408.3	2933.7	2183.0	2004.8	1969.1	1978.0	1989.2	1987.0	1982.5
20°	6691.5	6054.4	4120.9	2530.5	1973.6	1888.9	1868.9	1877.8	1886.7	1882.3	1880.0
22.5°	7076.9	6250.4	3802.4	2216.4	1833.3	1782.0	1759.7	1762.0	1762.0	1753.1	1748.6
25°	7538.0	6466.5	3468.3	1993.6	1726.3	1686.2	1659.5	1650.6	1637.2	1610.5	1606.0
27.5°	8088.2	6696.0	3147.5	1837.7	1641.7	1603.8	1572.6	1550.4	1516.9	1472.4	1467.9
30°	8707.4	6974.4	2875.7	1739.7	1574.9	1537.0	1501.4	1467.9	1418.9	1363.2	1358.8
32.5°	9435.8	7272.9	2677.5	1675.1	1514.7	1474.6	1432.3	1392.2	1338.7	1283.1	1285.3
35°	10304.6	7633.7	2561.7	1630.6	1467.9	1414.5	1367.7	1323.2	1283.1	1234.1	1229.6
37.5°	11246.8	8016.9	2526.0	1608.3	1436.8	1354.3	1300.9	1269.7	1265.2	1236.3	1234.1
40°	12278.1	8471.3	2552.7	1594.9	1403.3	1296.4	1238.5	1231.8	1243.0	1191.7	1194.0
42.5°	13369.6	9010.4	2597.3	1579.3	1356.6	1238.5	1182.8	1182.8	1173.9	1102.6	1102.6
45°	14550.2	9631.8	2641.8	1541.5	1300.9	1180.6	1138.3	1122.7	1084.8	1015.8	1013.5
47.5°	15739.7	10264.5	2675.3	1472.4	1234.1	1131.6	1093.7	1058.1	1002.4	940.0	937.8
50°	16869.1	10832.5	2639.6	1369.9	1158.3	1084.8	1044.7	995.7	935.6	893.2	886.6
52.5°	17878.2	11324.8	2488.2	1249.6	1078.1	1035.8	1000.2	948.9	899.9	855.4	850.9
55°	18755.8	11723.5	2220.8	1136.0	1006.8	993.5	957.8	893.2	826.4	788.5	784.1
57.5°	19597.8	12026.4	1886.7	1042.5	942.2	946.7	893.2	835.3	773.0	732.9	728.4
60°	20718.3	12431.8	1548.1	955.6	873.2	886.6	828.6	786.3	708.4	657.1	650.4
62.5°	22509.2	13062.2	1229.6	848.7	793.0	797.5	773.0	721.7	628.2	568.0	563.6
65°	23930.3	12830.6	969.0	732.9	701.7	708.4	708.4	652.7	552.4	483.4	476.7
67.5°	23770.0	10986.2	773.0	619.3	614.8	619.3	634.8	588.1	490.1	434.4	425.5
70°	21896.6	8738.6	619.3	514.6	534.6	523.5	568.0	536.8	441.1	385.4	378.7
72.5°	17867.0	6295.0	472.2	425.5	409.9	427.7	512.3	483.4	367.5	305.2	298.5
75°	10440.4	3359.1	351.9	336.4	296.3	356.4	454.4	412.1	280.7	225.0	218.3
77.5°	3399.2	1171.7	258.4	247.3	220.5	287.4	387.6	347.5	229.4	178.2	171.5
80°	911.1	354.2	176.0	162.6	142.6	213.8	307.4	276.2	164.8	115.8	113.6
82.5°	365.3	149.2	102.5	91.3	78.0	147.0	242.8	222.8	122.5	73.5	73.5
85°	118.1	49.0	37.9	29.0	35.6	91.3	144.8	151.5	86.9	37.9	29.0
87.5°	15.6	6.7	6.7	8.9	6.7	15.6	44.6	42.3	24.5	4.5	0.0
90°	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)