Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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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: P955165

Luminaire Tested: **GLAN-SB8A-950-U-AFL**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P955165
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SB8A-950-U-AFL
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(8) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	25663 lumens
Efficiency:	N/A
Efficacy:	113.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G2

Input Watts (W):	227.1
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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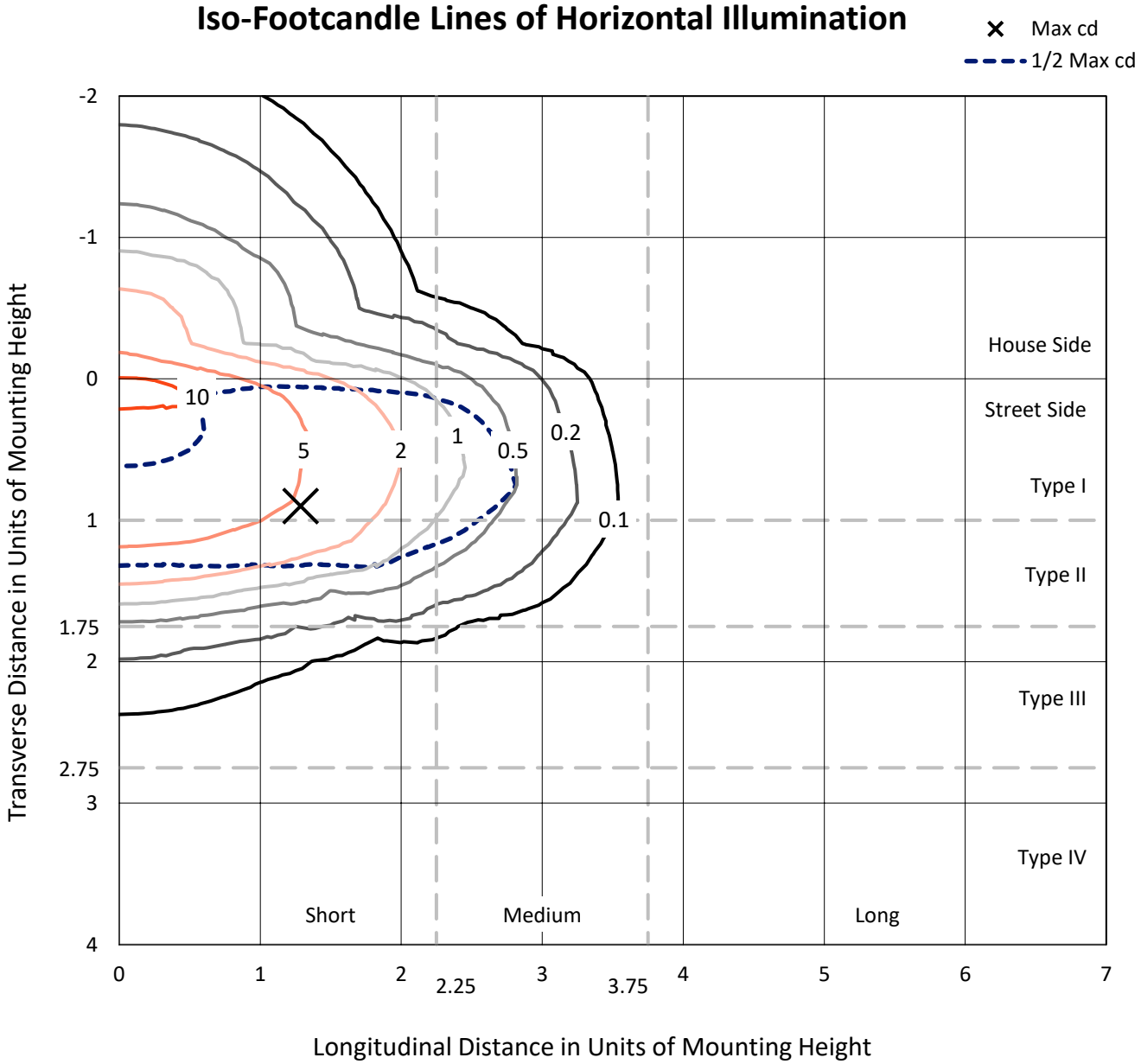
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 12.4 fc
Type II - Short - N/A

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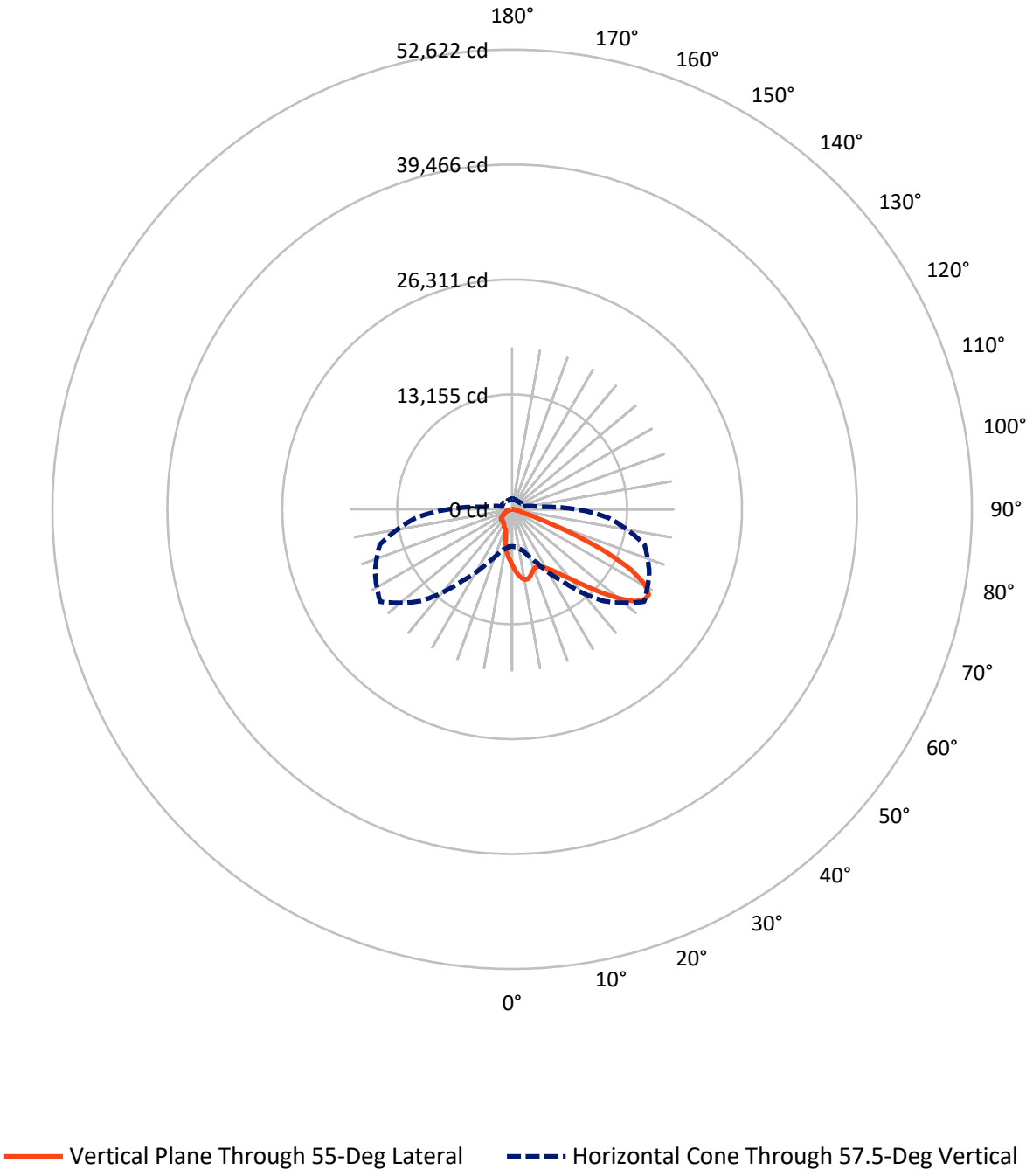
Luminous Intensity Polar Plot



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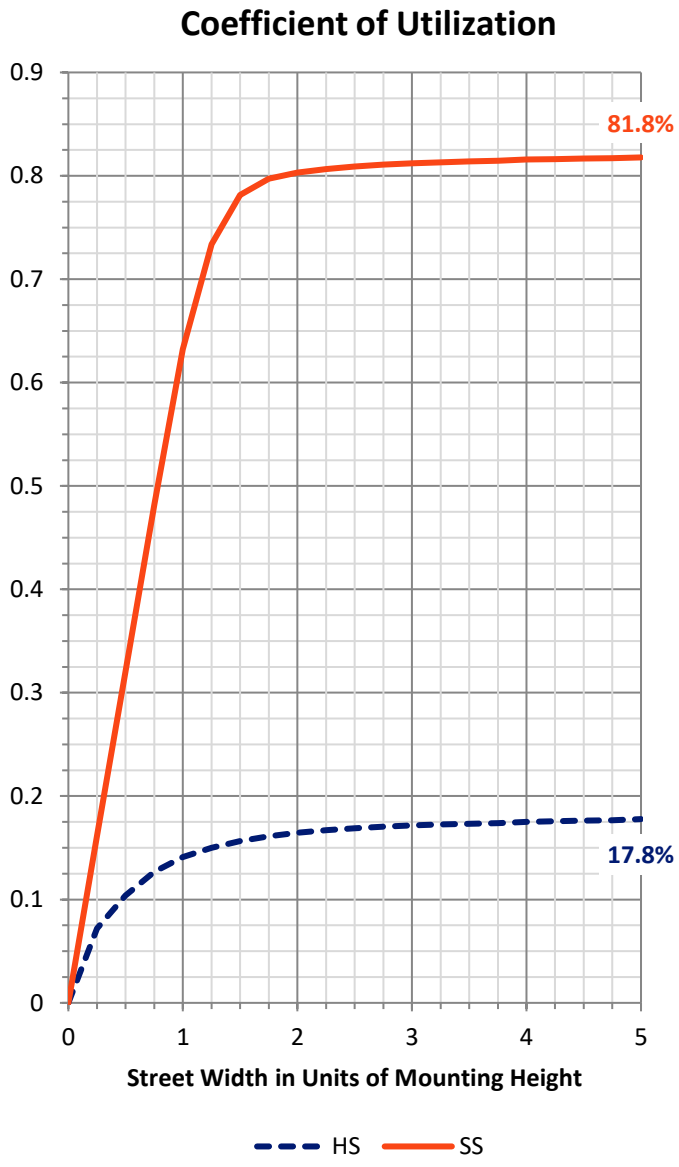
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4643.6	0.0	4643.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	21019.4	0.0	21019.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	25663.0	0.0	25663.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.7	2.3
10°-20°	1506.1	5.9
20°-30°	2403.3	9.4
30°-40°	3805.0	14.8
40°-50°	5823.9	22.7
50°-60°	6238.0	24.3
60°-70°	3924.3	15.3
70°-80°	1160.5	4.5
80°-90°	205.2	0.8
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°	25663.0	100.0
0°-180°	25663.0	100.0



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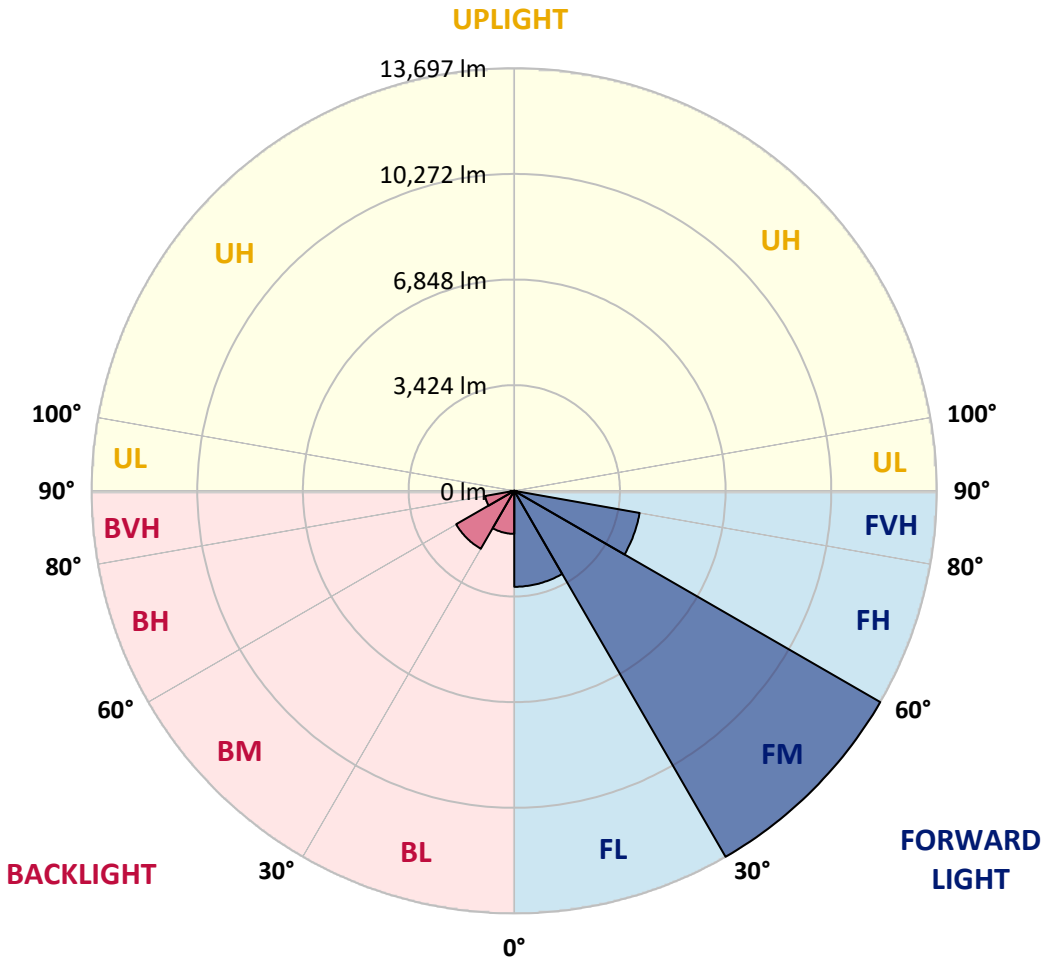
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3110.4	12.1			
FM	(30°-60°)	13696.5	53.4			
FH	(60°-80°)	4125.8	16.1			G2/5000
FVH	(80°-90°)	86.7	0.3			G1/100
BL	(0°-30°)	1395.7	5.4	B3/2500		
BM	(30°-60°)	2170.4	8.5	B2/2500		
BH	(60°-80°)	959.0	3.7	B2/1000		G2/1000
BVH	(80°-90°)	118.5	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6430.3	6430.3	6430.3	6430.3	6430.3	6430.3	6430.3	6430.3	6430.3	6430.3
2.5°	7377.5	7372.2	7401.4	7301.9	7234.3	7142.7	7022.0	6868.1	6702.3	6527.2
5°	8042.2	7995.8	8026.3	7952.0	7877.7	7739.7	7560.6	7309.9	7003.4	6654.5
7.5°	7937.4	7905.6	7983.8	8050.2	8105.9	8088.6	7957.3	7694.6	7299.3	6792.5
10°	7092.3	7056.5	7166.6	7396.1	7733.1	8026.3	8185.5	8022.3	7601.8	6943.7
12.5°	6346.7	6329.5	6402.5	6588.2	6962.3	7524.8	8156.3	8308.9	7916.2	7122.8
15°	6028.3	6007.1	6053.5	6147.7	6386.5	6910.6	7891.0	8505.2	8225.3	7329.8
17.5°	5958.0	5934.1	5954.0	6003.1	6157.0	6556.3	7490.3	8602.1	8547.7	7560.6
20°	6088.0	6068.1	6070.8	6068.1	6175.6	6492.7	7211.7	8564.9	8828.9	7772.9
22.5°	6402.5	6369.3	6370.6	6300.3	6358.7	6604.1	7138.8	8465.4	9079.7	7958.6
25°	6914.5	6854.8	6866.8	6687.7	6671.8	6853.5	7252.8	8388.5	9329.1	8107.2
27.5°	7615.0	7547.4	7511.5	7244.9	7117.5	7207.7	7485.0	8415.0	9565.2	8235.9
30°	8490.6	8408.4	8335.4	7957.3	7726.5	7693.3	7845.9	8590.1	9843.8	8371.2
32.5°	9563.9	9468.4	9335.7	8834.2	8509.2	8335.4	8312.8	8901.9	10170.2	8543.7
35°	10841.5	10716.7	10528.4	9879.6	9468.4	9112.8	8928.4	9351.6	10617.2	8803.7
37.5°	12157.5	12016.9	11844.4	11072.3	10566.8	10042.8	9679.3	9961.9	11212.9	9156.6
40°	13371.4	13213.5	13053.0	12365.8	11823.2	11191.7	10598.7	10734.0	11941.3	9578.5
42.5°	14087.8	13971.0	13910.0	13538.6	13119.3	12478.6	11742.3	11649.4	12759.8	10064.0
45°	14055.9	14008.2	14196.6	14350.5	14251.0	13895.4	13082.2	12661.6	13581.0	10484.6
47.5°	13305.1	13336.9	13757.5	14622.4	15003.2	15188.9	14607.8	13655.3	14294.7	10799.0
50°	11262.0	11288.5	12262.3	14127.6	15196.9	16243.6	16121.6	14625.1	14848.0	10991.4
52.5°	9644.8	9662.1	10080.0	12660.3	14557.4	16774.3	17485.4	15539.2	15252.6	11044.4
55°	7264.8	7324.5	7792.8	9932.7	12893.8	16353.7	18315.9	16481.1	15508.6	11049.7
57.5°	4244.0	4309.0	4887.4	6742.1	10021.6	14887.8	18441.9	17316.9	15682.4	11007.3
60°	2078.9	2106.7	2358.8	3543.5	6179.6	12063.3	17428.3	17721.5	15779.3	10984.7
62.5°	1401.0	1397.0	1407.6	1748.5	3044.7	7750.3	15316.3	17013.1	15727.5	10898.5
65°	1204.6	1190.0	1150.2	1227.2	1577.4	3544.8	11833.8	14898.4	15333.5	10682.3
67.5°	1041.4	1042.8	1044.1	1020.2	1126.3	1635.8	7231.6	11735.6	13919.3	9658.1
70°	862.3	874.3	879.6	879.6	918.0	1073.3	3087.1	8043.5	10979.4	7572.6
72.5°	785.4	760.2	762.8	749.6	749.6	817.2	1243.1	4559.7	6917.2	4259.9
75°	640.8	656.7	659.3	650.1	619.5	623.5	737.6	1913.0	2959.8	1767.1
77.5°	553.2	553.2	558.5	551.9	528.0	467.0	492.2	741.6	1006.9	724.4
80°	444.4	443.1	465.7	478.9	441.8	344.9	314.4	409.9	447.1	318.4
82.5°	216.2	229.5	319.7	364.8	335.6	249.4	192.4	254.7	238.8	140.6
85°	126.0	119.4	143.3	203.0	192.4	138.0	92.9	132.7	124.7	71.6
87.5°	39.8	37.1	29.2	69.0	55.7	38.5	25.2	38.5	34.5	15.9
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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
6430.3	0°	6430.3	6430.3	6430.3	6430.3	6430.3	6430.3	6430.3	6430.3	6430.3	6430.3
6451.5	2.5°	6357.3	6200.8	6045.6	5903.6	5817.4	5761.7	5706.0	5643.6	5619.7	5583.9
6468.8	5°	6293.7	5991.2	5721.9	5489.7	5278.8	5112.9	4945.8	4810.5	4749.4	4790.6
6523.2	7.5°	6256.5	5818.7	5403.5	4977.6	4567.7	4240.0	3954.8	3754.4	3664.2	3686.8
6576.2	10°	6223.4	5623.7	4990.9	4318.3	3729.2	3323.3	3031.4	2878.8	2821.8	2833.7
6647.9	12.5°	6192.8	5404.8	4493.4	3608.5	2982.3	2714.3	2630.8	2632.1	2642.7	2650.7
6762.0	15°	6187.5	5140.8	3937.5	2987.6	2579.0	2561.8	2652.0	2709.0	2739.6	2748.8
6857.5	17.5°	6179.6	4825.1	3371.0	2564.4	2480.9	2597.6	2681.2	2718.3	2742.2	2743.5
6950.4	20°	6147.7	4424.4	2848.3	2362.8	2459.6	2560.5	2612.2	2641.4	2661.3	2667.9
7020.7	22.5°	6049.6	3978.6	2441.1	2272.6	2374.7	2455.6	2516.7	2549.8	2561.8	2569.7
7033.9	25°	5873.1	3479.8	2159.8	2186.3	2256.6	2358.8	2407.9	2414.5	2410.5	2422.5
7000.8	27.5°	5642.3	2945.2	1984.7	2069.6	2159.8	2247.4	2273.9	2269.9	2262.0	2275.2
6943.7	30°	5363.7	2464.9	1873.2	1938.2	2061.6	2141.2	2165.1	2155.8	2139.9	2154.5
6914.5	32.5°	5069.2	2072.2	1781.7	1846.7	1980.7	2059.0	2082.9	2073.6	2061.6	2073.6
6947.7	35°	4794.5	1797.6	1696.8	1785.7	1917.0	1994.0	2024.5	2025.8	2025.8	2040.4
7035.3	37.5°	4542.5	1637.1	1626.5	1747.2	1873.2	1942.2	1986.0	1988.7	1931.6	1935.6
7183.9	40°	4309.0	1569.4	1594.6	1722.0	1830.8	1897.1	1899.8	1751.2	1646.4	1643.7
7353.7	42.5°	4117.9	1556.2	1603.9	1719.3	1800.3	1802.9	1615.9	1500.5	1471.3	1472.6
7510.2	45°	3938.8	1552.2	1625.2	1719.3	1755.2	1557.5	1431.5	1401.0	1403.6	1414.2
7580.5	47.5°	3738.5	1536.3	1629.1	1695.5	1625.2	1385.0	1347.9	1334.6	1329.3	1332.0
7564.6	50°	3519.6	1479.2	1578.7	1647.7	1402.3	1310.7	1264.3	1260.3	1267.0	1270.9
7475.7	52.5°	3288.8	1386.4	1492.5	1561.5	1300.1	1245.7	1194.0	1203.3	1232.5	1241.8
7382.9	55°	3137.5	1277.6	1378.4	1389.0	1228.5	1184.7	1140.9	1162.2	1216.5	1233.8
7327.1	57.5°	*3097.7*	*1162.2*	*1248.4*	*1236.4*	*1136.9*	*1131.6*	*1105.1*	*1123.7*	*1192.7*	*1217.9*
7324.5	60°	3085.8	1058.7	1121.0	1111.7	1048.1	1073.3	1066.6	1075.9	1099.8	1107.8
7297.9	62.5°	2992.9	976.4	1006.9	993.7	968.5	1012.2	1028.2	1008.3	1026.8	1036.1
7116.2	65°	2756.8	910.1	895.5	886.2	896.8	936.6	968.5	928.7	945.9	972.4
6415.7	67.5°	2366.8	819.9	780.1	790.7	823.9	845.1	886.2	841.1	855.7	900.8
5167.3	70°	1914.4	705.8	670.0	700.5	732.3	776.1	782.7	752.2	786.7	837.1
3153.5	72.5°	1354.5	590.4	565.2	627.5	638.1	695.2	680.6	666.0	713.7	731.0
1558.8	75°	939.3	476.3	461.7	509.4	547.9	597.0	586.4	603.6	704.5	712.4
778.7	77.5°	594.3	370.1	360.9	391.4	444.4	498.8	516.1	712.4	1203.3	1251.0
404.6	80°	344.9	275.9	265.3	289.2	335.6	386.1	497.5	874.3	793.3	784.1
181.8	82.5°	192.4	189.7	176.4	183.1	224.2	278.6	703.1	615.6	500.2	516.1
73.0	85°	90.2	111.4	95.5	91.5	126.0	326.4	469.6	351.6	233.5	228.2
15.9	87.5°	23.9	21.2	21.2	23.9	53.1	281.3	187.1	149.9	88.9	86.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF RI

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