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

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: P887823

Luminaire Tested: **TT-D4-830-U-DL-TC**

Issue Date: 10/9/2024

Report Generated By 670246001

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P887823
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-4)
Test Lab:	INNOVATION CENTER
Issue Date:	10/9/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	TT-D4-830-U-DL-TC
Description:	DL
	3000K, 80 CRI LEDS, DRIVE LANE DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:	
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4895 lumens
Efficiency:	N/A
Efficacy:	81.9 lumens/watt
Luminous Opening:	Circular (Dia: 1.12' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G2

Input Watts (W):	59.8
Input Voltage (V):	120.0
Input Current (Ain):	0.5
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	10.3%
Frequency (hertz):	60
Stabilization Time:	HR
Operation Time:	HR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

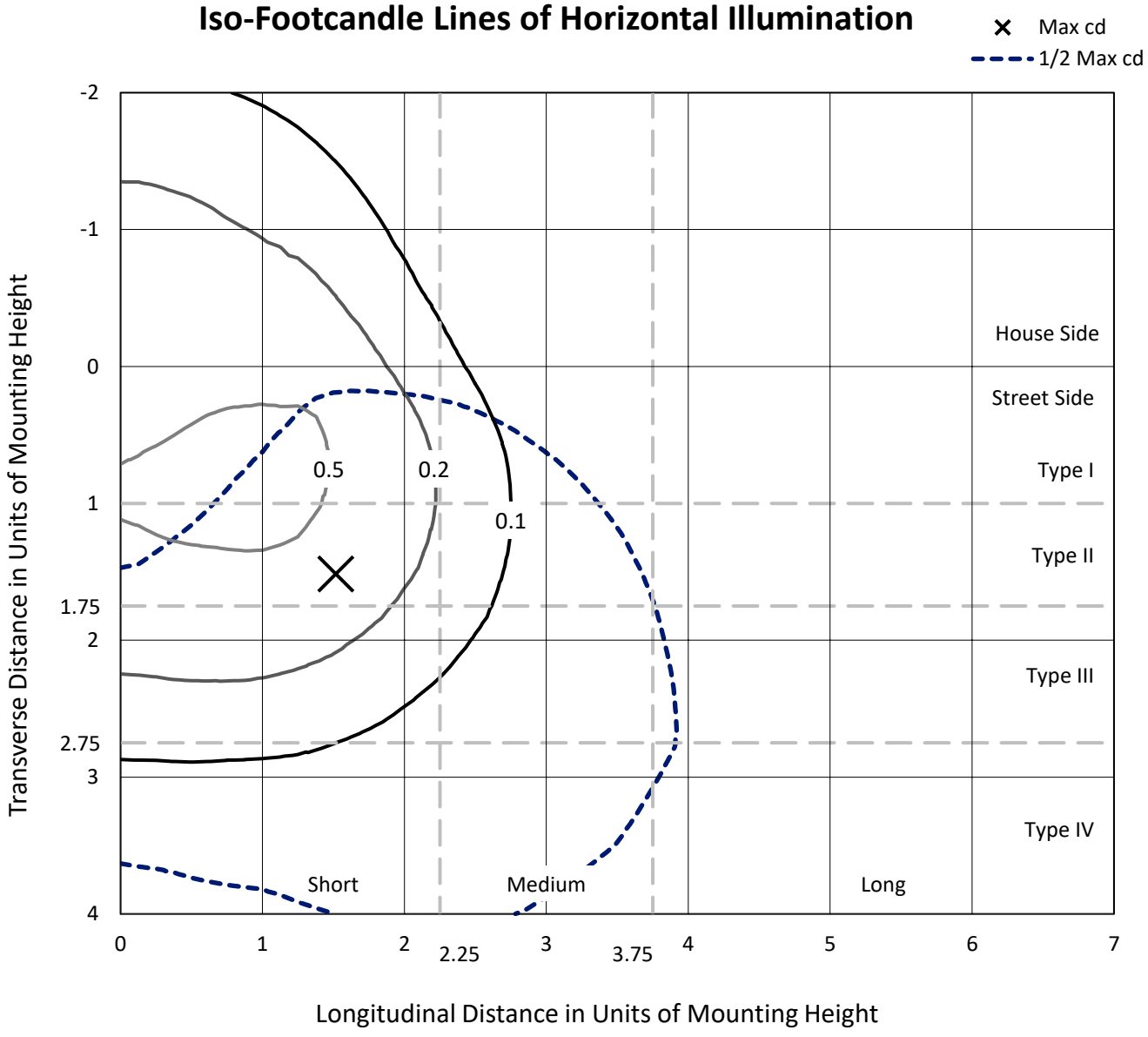


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Iso-Footcandle Lines of Horizontal Illumination



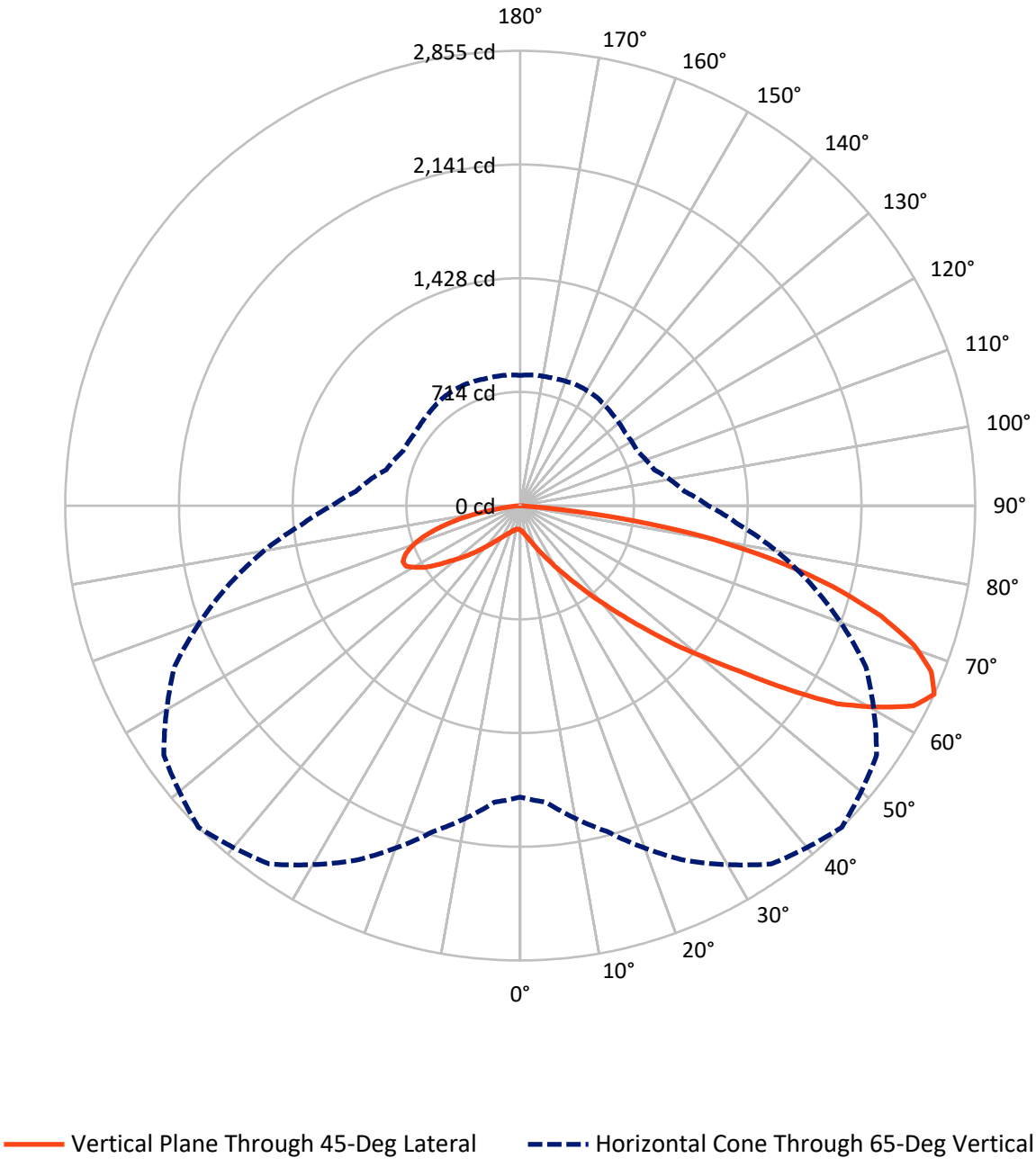
Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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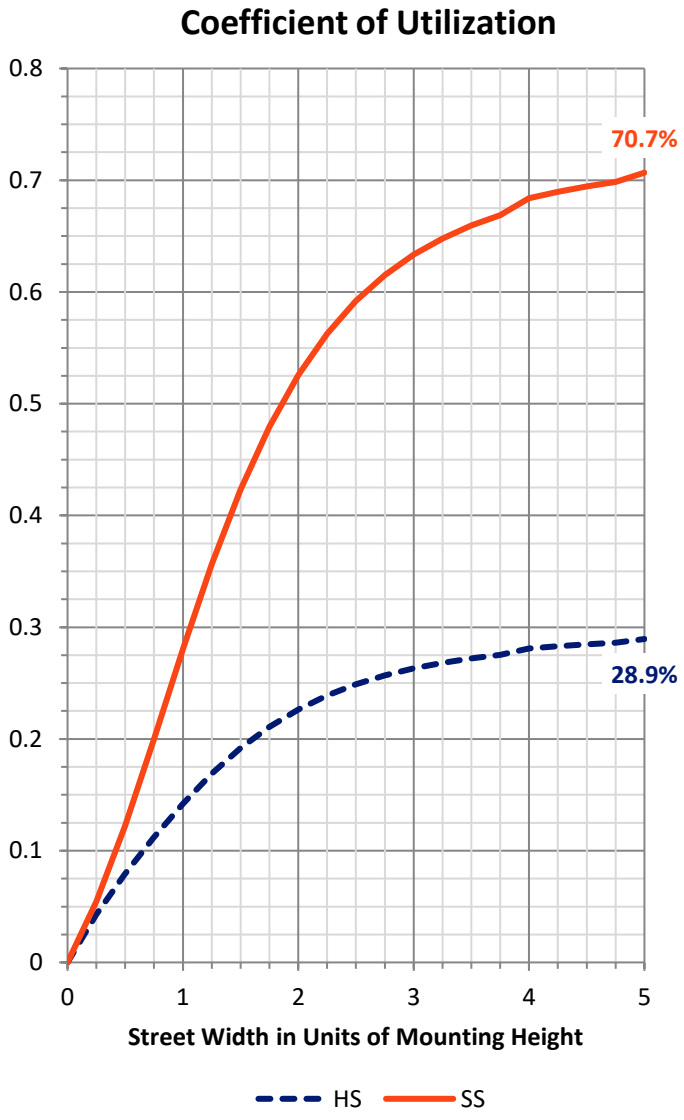
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1418.5	0.0	1418.5
	% Fixture	29.0	0.0	29.0
Street Side	Lumens	3476.5	0.0	3476.5
	% Fixture	71.0	0.0	71.0
Total	Lumens	4895.0	0.0	4895.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	0.3
10°-20°	56.0	1.1
20°-30°	127.7	2.6
30°-40°	270.7	5.5
40°-50°	561.7	11.5
50°-60°	1079.2	22.0
60°-70°	1496.5	30.6
70°-80°	1126.6	23.0
80°-90°	161.2	3.3
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°	4895.0	100.0
0°-180°	4895.0	100.0



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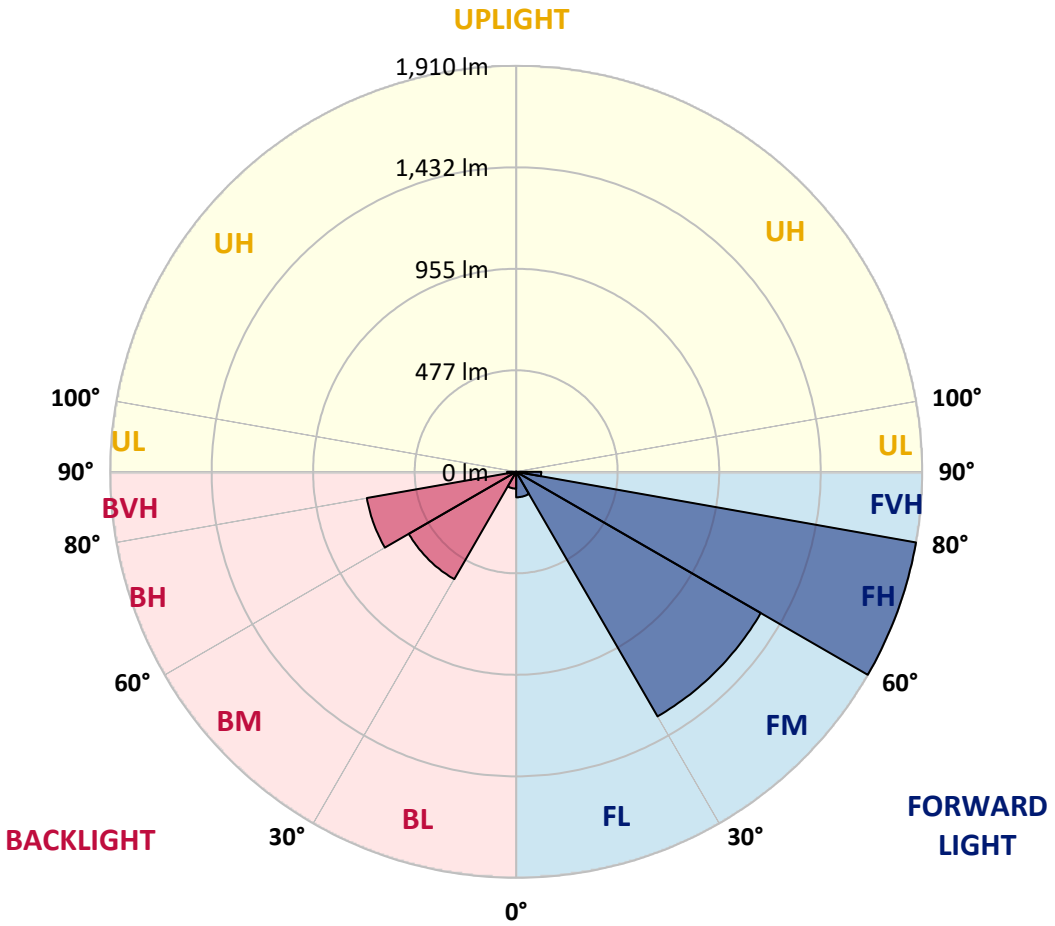
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	120.0	2.5			
FM	(30°-60°)	1328.5	27.1			
FH	(60°-80°)	1910.0	39.0			G2/5000
FVH	(80°-90°)	118.0	2.4			G2/225
BL	(0°-30°)	79.2	1.6	B0/110		
BM	(30°-60°)	583.1	11.9	B1/1000		
BH	(60°-80°)	713.1	14.6	B2/1000		G2/1000
BVH	(80°-90°)	43.2	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	152.3	152.3	152.3	152.3	152.3	*152.3*	152.3	152.3	152.3	152.3	152.3
2.5°	161.9	161.9	160.8	160.8	159.7	*158.7*	158.7	157.6	155.5	154.5	154.5
5°	171.4	171.4	170.3	170.3	168.2	*166.1*	165.0	164.0	161.9	158.7	157.6
7.5°	183.0	183.0	183.0	182.0	178.8	*176.7*	174.6	171.4	168.2	165.0	162.9
10°	198.9	197.8	197.8	195.7	192.5	*189.4*	186.2	183.0	177.7	172.4	170.3
12.5°	216.9	215.8	214.8	213.7	209.5	*205.2*	201.0	196.8	189.4	183.0	178.8
15°	237.0	235.9	234.9	233.8	229.6	*224.3*	219.0	212.6	203.1	194.7	190.4
17.5°	263.4	262.4	261.3	260.2	253.9	*248.6*	241.2	231.7	220.0	208.4	203.1
20°	289.9	289.9	289.9	287.7	283.5	*277.2*	268.7	256.0	242.3	225.3	217.9
22.5°	321.6	321.6	323.7	321.6	317.4	*310.0*	300.4	285.6	265.5	245.4	234.9
25°	358.6	358.6	361.8	361.8	357.6	*349.1*	337.5	318.4	293.0	269.8	256.0
27.5°	402.0	400.9	407.3	408.3	404.1	*395.6*	381.9	359.7	324.8	296.2	280.3
30°	452.8	450.7	459.1	462.3	460.2	*453.8*	435.8	409.4	368.1	329.0	308.9
32.5°	502.5	508.8	517.3	524.7	524.7	*520.5*	500.4	468.6	417.9	366.0	343.8
35°	566.0	572.3	590.3	597.7	600.9	*600.9*	579.7	543.8	481.3	418.9	388.2
37.5°	637.9	645.3	668.6	682.3	692.9	*698.2*	680.2	631.6	553.3	470.8	438.0
40°	719.4	728.9	758.5	780.7	802.9	*812.5*	795.5	734.2	635.8	535.3	494.0
42.5°	810.3	820.9	860.1	895.0	930.9	*947.9*	927.8	856.9	737.3	611.5	561.7
45°	910.8	923.5	976.4	1027.2	1075.9	*1107.6*	1088.6	1010.3	865.3	708.8	647.4
47.5°	1021.9	1036.7	1104.4	1174.3	1245.1	*1297.0*	1271.6	1186.9	1020.9	831.5	754.3
50°	1139.3	1158.4	1244.1	1330.8	1432.4	*1493.7*	1475.7	1389.0	1185.9	961.6	867.5
52.5°	1258.9	1274.7	1390.1	1506.4	1630.2	*1727.5*	1738.1	1659.8	1446.1	1175.3	1051.5
55°	1383.7	1404.9	1538.2	1682.0	1841.8	*2031.1*	2091.4	1979.3	1658.8	1300.1	1144.6
57.5°	1509.6	1528.6	1668.3	1862.9	2110.5	*2346.4*	2363.3	2143.3	1759.3	1358.3	1185.9
60°	1612.2	1633.4	1799.5	2063.9	2364.4	*2567.5*	2511.4	2234.3	1814.3	1384.8	1203.9
62.5°	1692.6	1720.1	1966.6	2277.6	2605.6	*2769.5*	2643.7	2316.8	1843.9	1383.7	1195.4
65°	*1830.1*	*1869.3*	*2118.9*	*2458.5*	*2746.3*	*2855.2*	*2730.4*	*2394.0*	*1884.1*	*1378.4*	*1180.6*
67.5°	1900.0	1926.4	2146.4	2460.6	2711.4	*2782.2*	2659.5	2327.3	1844.9	1342.5	1131.9
70°	1809.0	1848.1	2051.2	2362.3	2580.2	*2621.4*	2509.3	2177.1	1719.1	1230.3	1032.5
72.5°	1639.7	1669.3	1846.0	2153.9	2335.8	*2365.4*	2274.4	1952.9	1525.5	1068.5	885.4
75°	1382.7	1408.0	1542.4	1830.1	1994.1	*2023.7*	1948.6	1642.9	1273.7	874.9	718.3
77.5°	1054.7	1069.5	1173.2	1434.5	1593.2	*1618.6*	1550.9	1271.6	975.4	653.8	531.1
80°	665.4	673.9	775.4	992.3	1137.2	*1152.0*	1094.9	857.9	643.2	416.8	323.7
82.5°	272.9	270.8	324.8	509.9	622.0	*595.6*	613.6	394.6	294.1	179.8	134.4
85°	16.9	12.7	9.5	26.4	25.4	*21.2*	37.0	8.5	14.8	13.8	10.6
87.5°	0.0	0.0	0.0	0.0	0.0	*1.1*	1.1	1.1	1.1	1.1	1.1
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3	152.3
2.5°	153.4	152.3	151.3	150.2	149.2	148.1	148.1	147.0	147.0	147.0
5°	156.6	153.4	152.3	149.2	147.0	146.0	146.0	144.9	144.9	144.9
7.5°	160.8	157.6	154.5	151.3	148.1	146.0	144.9	144.9	143.9	143.9
10°	167.1	162.9	158.7	154.5	151.3	149.2	147.0	146.0	146.0	146.0
12.5°	176.7	169.3	164.0	158.7	155.5	152.3	150.2	149.2	149.2	149.2
15°	186.2	177.7	171.4	165.0	160.8	156.6	155.5	154.5	154.5	154.5
17.5°	197.8	187.2	178.8	171.4	167.1	162.9	161.9	160.8	160.8	159.7
20°	211.6	198.9	188.3	179.8	175.6	171.4	169.3	169.3	168.2	168.2
22.5°	226.4	210.5	198.9	189.4	185.1	179.8	178.8	178.8	178.8	177.7
25°	245.4	224.3	211.6	201.0	195.7	191.5	190.4	191.5	191.5	190.4
27.5°	267.6	241.2	225.3	213.7	209.5	205.2	205.2	205.2	207.3	205.2
30°	293.0	263.4	242.3	229.6	225.3	221.1	222.2	224.3	225.3	224.3
32.5°	322.7	285.6	263.4	248.6	244.4	240.1	242.3	246.5	249.7	245.4
35°	361.8	316.3	288.8	272.9	268.7	265.5	268.7	272.9	276.1	274.0
37.5°	403.1	349.1	318.4	300.4	296.2	293.0	297.3	302.6	306.8	303.6
40°	451.7	386.1	351.2	333.2	331.1	325.8	331.1	337.5	342.8	339.6
42.5°	508.8	431.6	390.4	370.3	369.2	363.9	369.2	376.6	381.9	379.8
45°	581.8	486.6	438.0	413.6	413.6	406.2	412.6	420.0	428.4	422.1
47.5°	672.8	558.6	494.0	460.2	461.2	454.9	459.1	466.5	475.0	468.6
50°	775.4	635.8	557.5	516.2	512.0	504.6	512.0	517.3	524.7	522.6
52.5°	923.5	751.1	646.4	579.7	568.1	557.5	564.9	564.9	574.4	572.3
55°	1011.3	835.7	737.3	669.6	639.0	614.6	617.8	619.9	626.3	624.2
57.5°	1049.4	868.5	781.8	736.3	710.9	680.2	671.8	666.5	676.0	674.9
60°	1061.1	880.2	798.7	771.2	762.7	743.7	728.9	717.2	718.3	717.2
62.5°	1050.5	877.0	807.2	793.4	811.4	808.2	796.6	764.8	757.4	753.2
65°	*1034.6*	*870.6*	*811.4*	*802.9*	*815.6*	*833.6*	*836.8*	*826.2*	*824.1*	*817.7*
67.5°	992.3	830.4	773.3	773.3	781.8	817.7	836.8	844.2	840.0	837.8
70°	901.3	759.6	716.2	718.3	724.7	775.4	804.0	816.7	800.8	802.9
72.5°	774.4	661.2	632.6	641.1	642.1	700.3	735.2	746.9	731.0	736.3
75°	625.2	540.6	525.8	541.6	540.6	593.5	626.3	640.0	626.3	637.9
77.5°	462.3	405.2	403.1	424.2	417.9	466.5	491.9	506.7	500.4	508.8
80°	290.9	263.4	270.8	294.1	279.3	322.7	341.7	353.3	342.8	354.4
82.5°	126.9	123.8	135.4	152.3	132.2	166.1	176.7	180.9	168.2	179.8
85°	8.5	9.5	10.6	13.8	5.3	12.7	19.0	14.8	12.7	11.6
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	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

(END OF REPORT)