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: P887553

Luminaire Tested: **TT-D1-830-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:	P887553
	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-D1-830-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:	2576 lumens
Efficiency:	N/A
Efficacy:	89.4 lumens/watt
Luminous Opening:	Circular (Dia: 1.12' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	28.8
Input Voltage (V):	120.0
Input Current (Ain):	0.24
Voltage Rise (V):	NR
Power Factor:	0.979
Total Harmonic Distortion (THDi):	13.3%
Frequency (hertz):	60
Stabilization Time:	HR
Operation Time:	HR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

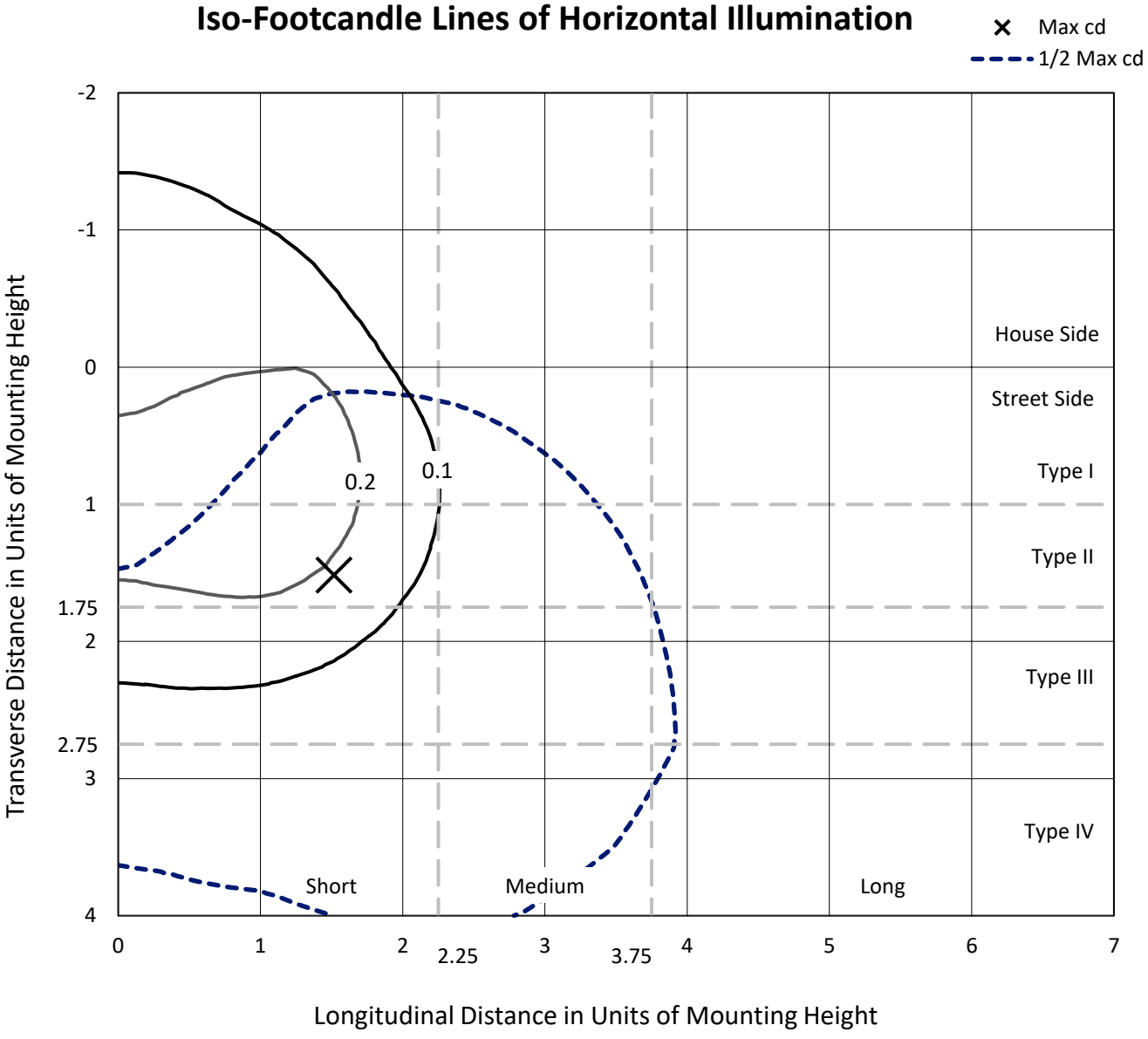


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Iso-Footcandle Lines of Horizontal Illumination



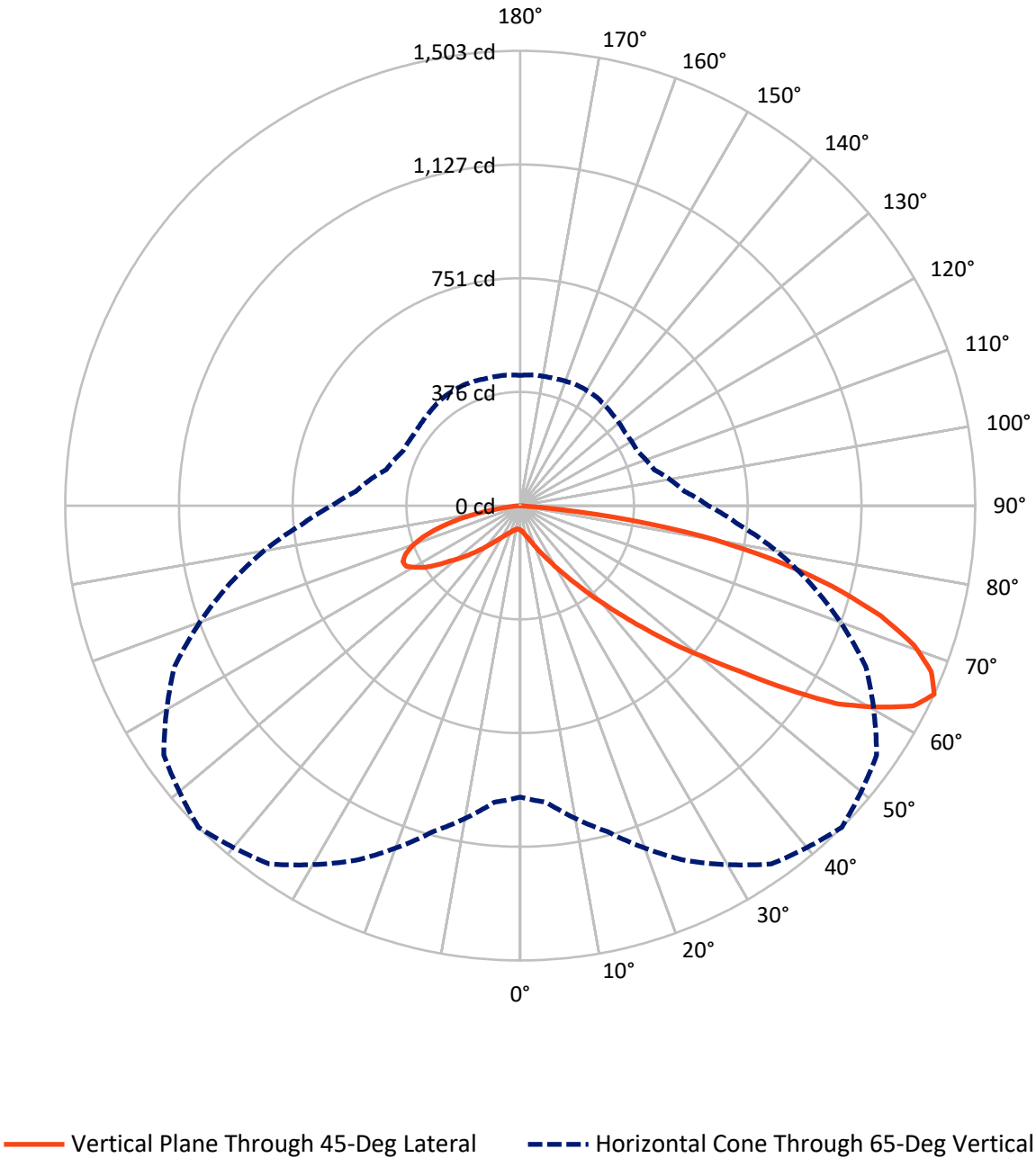
Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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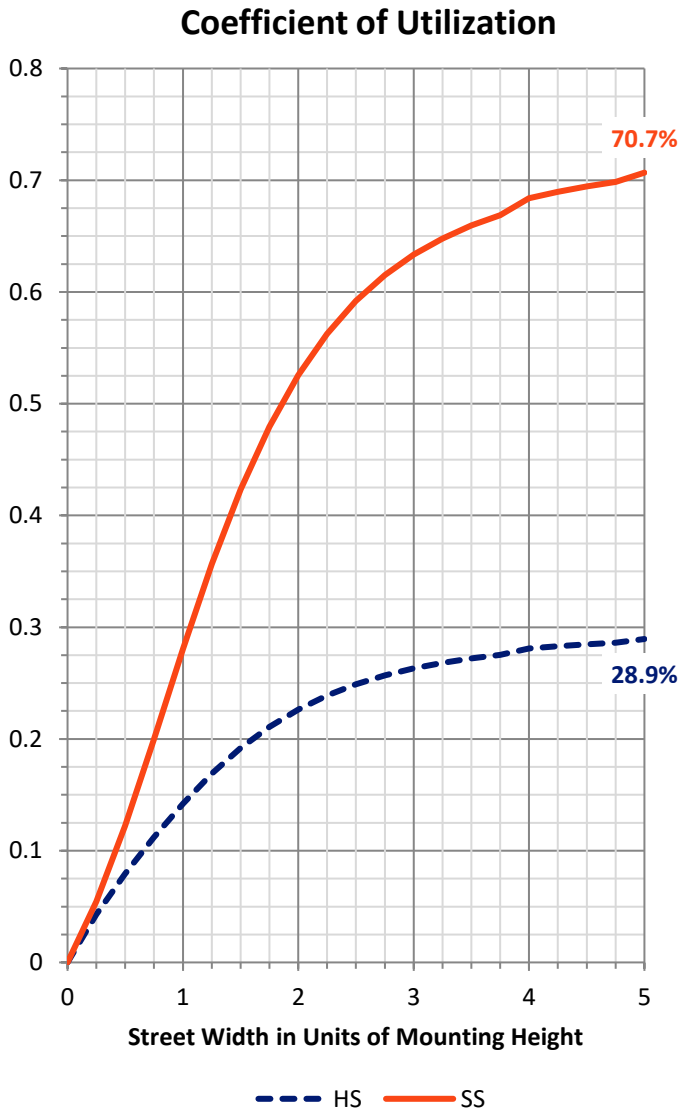
REPORT NUMBER: P887553
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	746.5	0.0	746.5
	% Fixture	29.0	0.0	29.0
Street Side	Lumens	1829.5	0.0	1829.5
	% Fixture	71.0	0.0	71.0
Total	Lumens	2576.0	0.0	2576.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.3
10°-20°	29.5	1.1
20°-30°	67.2	2.6
30°-40°	142.4	5.5
40°-50°	295.6	11.5
50°-60°	567.9	22.0
60°-70°	787.5	30.6
70°-80°	592.9	23.0
80°-90°	84.9	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°	2576.0	100.0
0°-180°	2576.0	100.0



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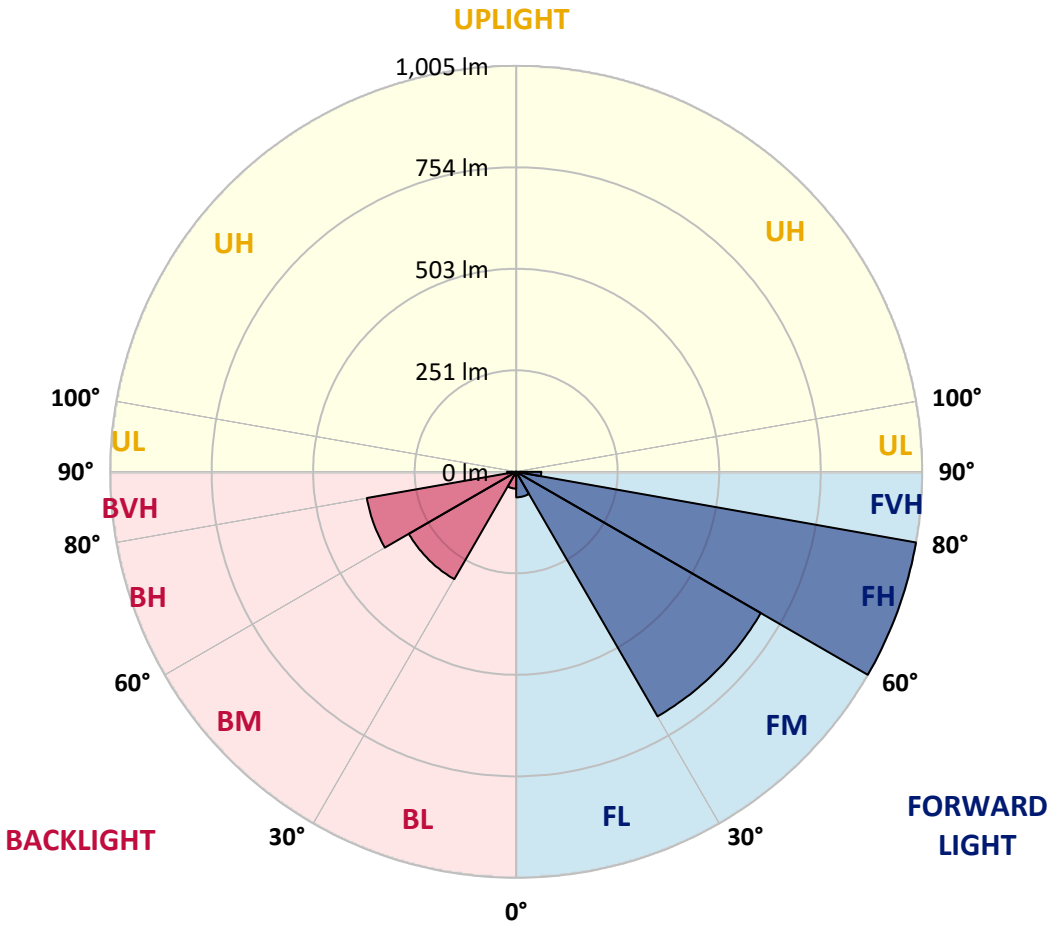
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	63.1	2.5			
FM	(30°-60°)	699.1	27.1			
FH	(60°-80°)	1005.1	39.0			G1/1800
FVH	(80°-90°)	62.1	2.4			G1/100
BL	(0°-30°)	41.7	1.6	B0/110		
BM	(30°-60°)	306.9	11.9	B1/1000		
BH	(60°-80°)	375.3	14.6	B1/500		G1/500
BVH	(80°-90°)	22.7	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	80.2	80.2	80.2	80.2	80.2	*80.2*	80.2	80.2	80.2	80.2	80.2
2.5°	85.2	85.2	84.6	84.6	84.1	*83.5*	83.5	83.0	81.8	81.3	81.3
5°	90.2	90.2	89.6	89.6	88.5	*87.4*	86.8	86.3	85.2	83.5	83.0
7.5°	96.3	96.3	96.3	95.8	94.1	*93.0*	91.9	90.2	88.5	86.8	85.7
10°	104.7	104.1	104.1	103.0	101.3	*99.7*	98.0	96.3	93.5	90.7	89.6
12.5°	114.1	113.6	113.0	112.5	110.2	*108.0*	105.8	103.5	99.7	96.3	94.1
15°	124.7	124.1	123.6	123.0	120.8	*118.0*	115.2	111.9	106.9	102.4	100.2
17.5°	138.6	138.1	137.5	137.0	133.6	*130.8*	126.9	121.9	115.8	109.7	106.9
20°	152.5	152.5	152.5	151.4	149.2	*145.9*	141.4	134.7	127.5	118.6	114.7
22.5°	169.2	169.2	170.4	169.2	167.0	*163.1*	158.1	150.3	139.7	129.2	123.6
25°	188.7	188.7	190.4	190.4	188.2	*183.7*	177.6	167.6	154.2	142.0	134.7
27.5°	211.6	211.0	214.3	214.9	212.7	*208.2*	201.0	189.3	170.9	155.9	147.5
30°	238.3	237.2	241.6	243.3	242.2	*238.8*	229.4	215.4	193.7	173.1	162.6
32.5°	264.4	267.8	272.2	276.1	276.1	*273.9*	263.3	246.6	219.9	192.6	180.9
35°	297.8	301.2	310.6	314.5	316.2	*316.2*	305.1	286.2	253.3	220.5	204.3
37.5°	335.7	339.6	351.8	359.1	364.6	*367.4*	358.0	332.4	291.2	247.7	230.5
40°	378.6	383.6	399.2	410.9	422.5	*427.6*	418.6	386.4	334.6	281.7	260.0
42.5°	426.4	432.0	452.6	471.0	489.9	*498.8*	488.2	450.9	388.0	321.8	295.6
45°	479.3	486.0	513.8	540.6	566.2	*582.9*	572.9	531.7	455.4	373.0	340.7
47.5°	537.8	545.6	581.2	618.0	655.3	*682.5*	669.2	624.6	537.2	437.6	396.9
50°	599.6	609.6	654.7	700.3	753.8	*786.1*	776.6	731.0	624.1	506.1	456.5
52.5°	662.5	670.8	731.5	792.8	857.9	*909.1*	914.7	873.5	761.0	618.5	553.4
55°	728.2	739.3	809.5	885.2	969.2	*1068.9*	1100.6	1041.6	872.9	684.2	602.4
57.5°	794.4	804.4	877.9	980.4	1110.6	*1234.8*	1243.7	1127.9	925.8	714.8	624.1
60°	848.4	859.6	947.0	1086.1	1244.3	*1351.1*	1321.6	1175.8	954.8	728.7	633.5
62.5°	890.7	905.2	1034.9	1198.6	1371.2	*1457.5*	1391.2	1219.2	970.4	728.2	629.1
65°	*963.1*	*983.7*	*1115.1*	*1293.8*	*1445.2*	*1502.6*	*1436.9*	*1259.8*	*991.5*	*725.4*	*621.3*
67.5°	999.9	1013.8	1129.6	1294.9	1426.9	*1464.2*	1399.6	1224.8	970.9	706.5	595.7
70°	952.0	972.6	1079.5	1243.1	1357.8	*1379.5*	1320.5	1145.7	904.7	647.5	543.4
72.5°	862.9	878.5	971.5	1133.5	1229.2	*1244.8*	1196.9	1027.7	802.8	562.3	466.0
75°	727.6	741.0	811.7	963.1	1049.4	*1065.0*	1025.5	864.6	670.3	460.4	378.0
77.5°	555.0	562.8	617.4	754.9	838.4	*851.8*	816.1	669.2	513.3	344.0	279.5
80°	350.2	354.6	408.1	522.2	598.5	*606.3*	576.2	451.5	338.5	219.3	170.4
82.5°	143.6	142.5	170.9	268.3	327.3	*313.4*	322.9	207.7	154.8	94.6	70.7
85°	8.9	6.7	5.0	13.9	13.4	*11.1*	19.5	4.5	7.8	7.2	5.6
87.5°	0.0	0.0	0.0	0.0	0.0	*0.6*	0.6	0.6	0.6	0.6	0.6
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°	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
2.5°	80.7	80.2	79.6	79.1	78.5	77.9	77.9	77.4	77.4	77.4
5°	82.4	80.7	80.2	78.5	77.4	76.8	76.8	76.3	76.3	76.3
7.5°	84.6	83.0	81.3	79.6	77.9	76.8	76.3	76.3	75.7	75.7
10°	88.0	85.7	83.5	81.3	79.6	78.5	77.4	76.8	76.8	76.8
12.5°	93.0	89.1	86.3	83.5	81.8	80.2	79.1	78.5	78.5	78.5
15°	98.0	93.5	90.2	86.8	84.6	82.4	81.8	81.3	81.3	81.3
17.5°	104.1	98.5	94.1	90.2	88.0	85.7	85.2	84.6	84.6	84.1
20°	111.3	104.7	99.1	94.6	92.4	90.2	89.1	89.1	88.5	88.5
22.5°	119.1	110.8	104.7	99.7	97.4	94.6	94.1	94.1	94.1	93.5
25°	129.2	118.0	111.3	105.8	103.0	100.8	100.2	100.8	100.8	100.2
27.5°	140.8	126.9	118.6	112.5	110.2	108.0	108.0	108.0	109.1	108.0
30°	154.2	138.6	127.5	120.8	118.6	116.4	116.9	118.0	118.6	118.0
32.5°	169.8	150.3	138.6	130.8	128.6	126.4	127.5	129.7	131.4	129.2
35°	190.4	166.5	152.0	143.6	141.4	139.7	141.4	143.6	145.3	144.2
37.5°	212.1	183.7	167.6	158.1	155.9	154.2	156.4	159.2	161.4	159.8
40°	237.7	203.2	184.8	175.4	174.3	171.5	174.3	177.6	180.4	178.7
42.5°	267.8	227.1	205.4	194.8	194.3	191.5	194.3	198.2	201.0	199.9
45°	306.2	256.1	230.5	217.7	217.7	213.8	217.1	221.0	225.5	222.1
47.5°	354.1	293.9	260.0	242.2	242.7	239.4	241.6	245.5	250.0	246.6
50°	408.1	334.6	293.4	271.7	269.4	265.6	269.4	272.2	276.1	275.0
52.5°	486.0	395.3	340.2	305.1	299.0	293.4	297.3	297.3	302.3	301.2
55°	532.2	439.8	388.0	352.4	336.3	323.5	325.1	326.2	329.6	328.5
57.5°	552.3	457.1	411.4	387.5	374.1	358.0	353.5	350.7	355.7	355.2
60°	558.4	463.2	420.3	405.8	401.4	391.4	383.6	377.5	378.0	377.5
62.5°	552.8	461.5	424.8	417.5	427.0	425.3	419.2	402.5	398.6	396.4
65°	*544.5*	*458.2*	*427.0*	*422.5*	*429.2*	*438.7*	*440.4*	*434.8*	*433.7*	*430.3*
67.5°	522.2	437.0	407.0	407.0	411.4	430.3	440.4	444.3	442.0	440.9
70°	474.3	399.7	376.9	378.0	381.3	408.1	423.1	429.8	421.4	422.5
72.5°	407.5	347.9	332.9	337.4	337.9	368.5	386.9	393.0	384.7	387.5
75°	329.0	284.5	276.7	285.0	284.5	312.3	329.6	336.8	329.6	335.7
77.5°	243.3	213.2	212.1	223.2	219.9	245.5	258.9	266.7	263.3	267.8
80°	153.1	138.6	142.5	154.8	147.0	169.8	179.8	185.9	180.4	186.5
82.5°	66.8	65.1	71.3	80.2	69.6	87.4	93.0	95.2	88.5	94.6
85°	4.5	5.0	5.6	7.2	2.8	6.7	10.0	7.8	6.7	6.1
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	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)