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: McGRAW-EDISON

Report Number: P955326

Luminaire Tested: **GALN-SB8B-760-U-T3R-HSS**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P955326
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB8B-760-U-T3R-HSS
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(8) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	40106 lumens
Efficiency:	N/A
Efficacy:	137.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G5

Input Watts (W):	292.8
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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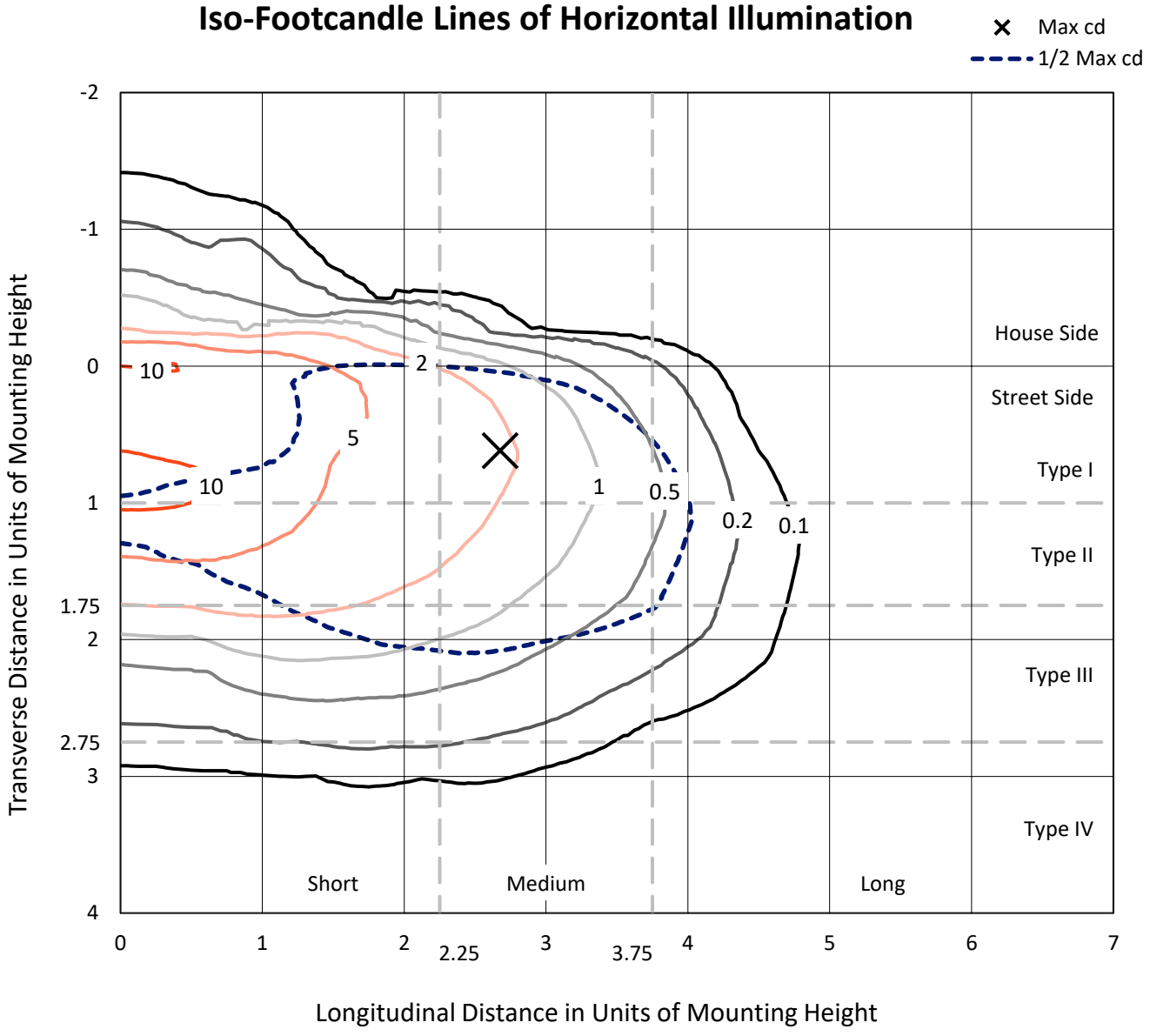
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc
Type III - Medium - N/A

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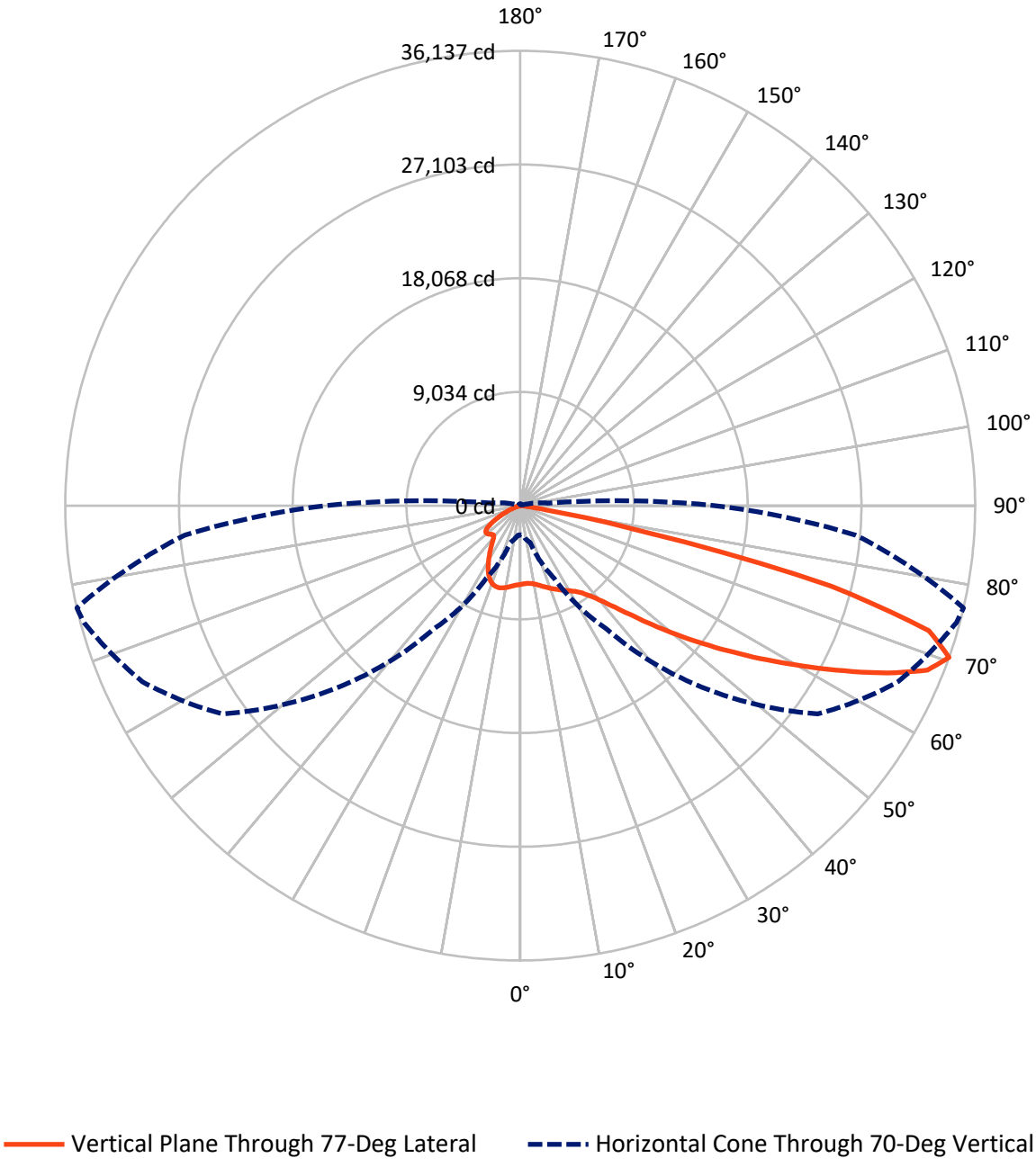
Luminous Intensity Polar Plot



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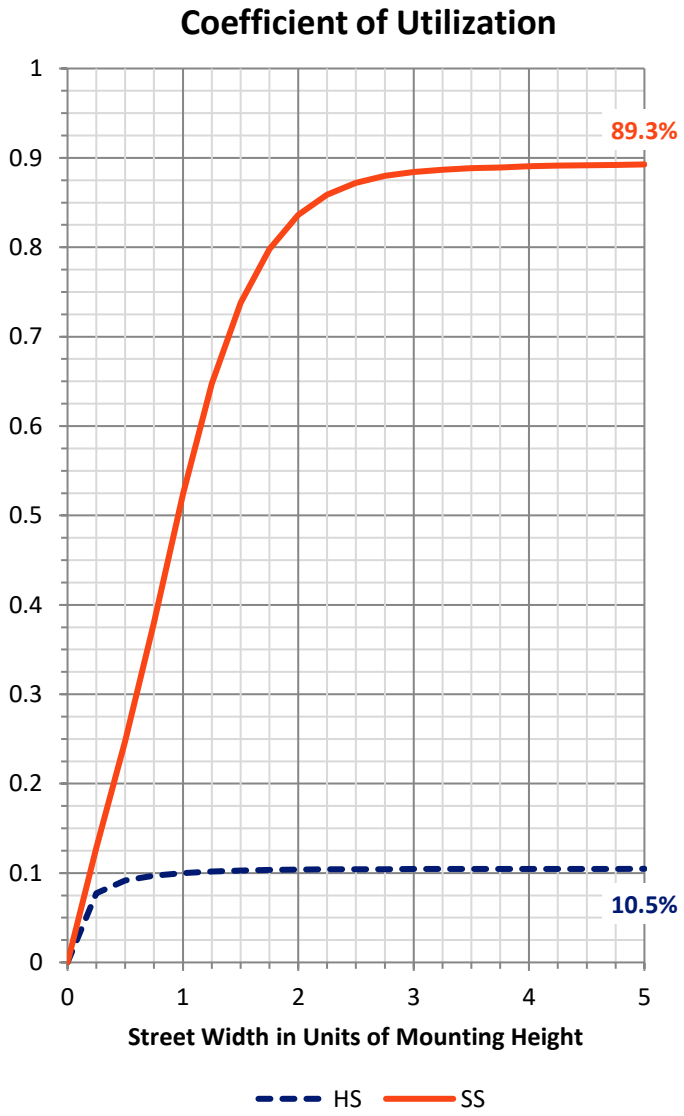
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4227.7	0.0	4227.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	35878.3	0.0	35878.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	40106.0	0.0	40106.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	539.2	1.3
10°-20°	1279.9	3.2
20°-30°	1979.6	4.9
30°-40°	3592.1	9.0
40°-50°	6780.6	16.9
50°-60°	9797.4	24.4
60°-70°	10429.1	26.0
70°-80°	5526.7	13.8
80°-90°	181.5	0.5
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°	40106.0	100.0
0°-180°	40106.0	100.0



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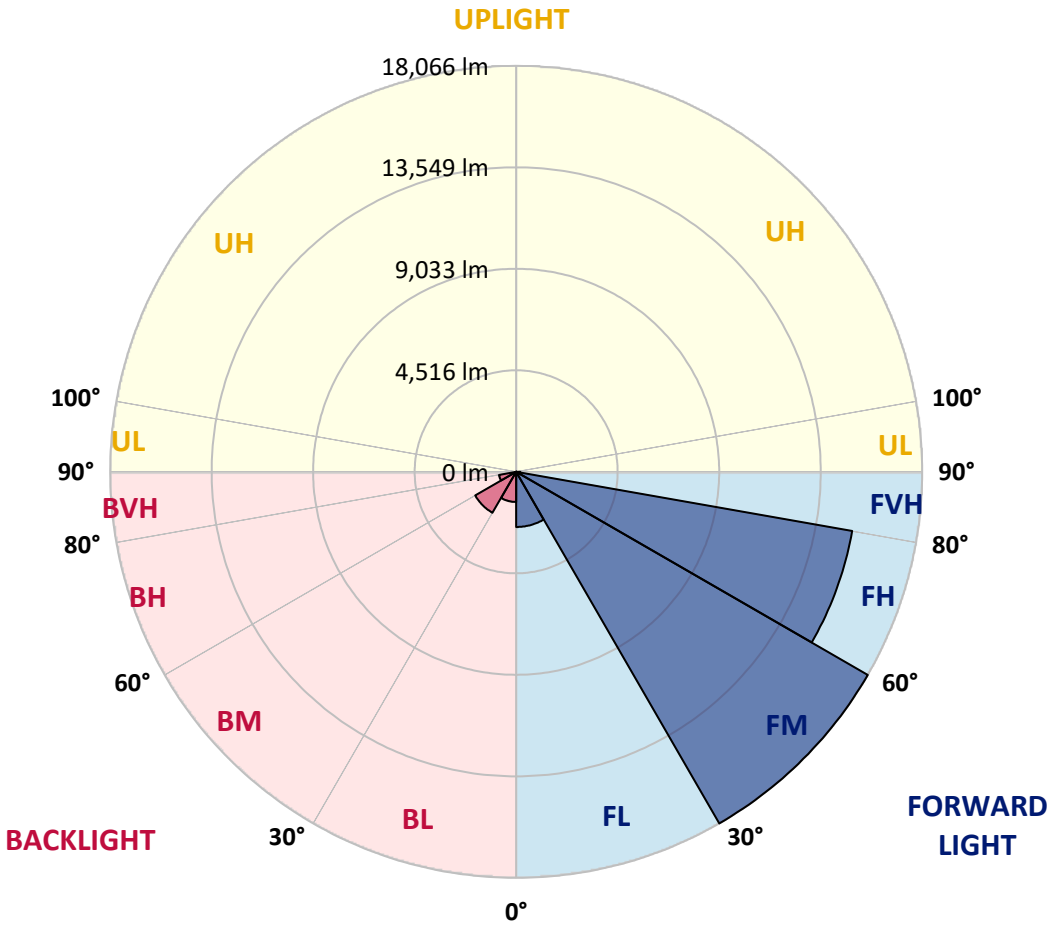
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2455.4	6.1			
FM	(30°-60°)	18065.5	45.0			
FH	(60°-80°)	15180.7	37.9			G5
FVH	(80°-90°)	176.6	0.4			G2/225
BL	(0°-30°)	1343.2	3.3	B3/2500		
BM	(30°-60°)	2104.6	5.2	B2/2500		
BH	(60°-80°)	775.1	1.9	B2/1000		G2/1000
BVH	(80°-90°)	4.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	6255.8	6255.8	6255.8	6255.8	6255.8	6255.8	6255.8	6255.8	6255.8	*6255.8*
2.5°	5873.4	5926.6	5919.0	5954.4	5967.1	6017.7	6068.4	6136.8	6212.8	*6210.2*
5°	5541.6	5594.8	5607.4	5655.6	5716.3	5794.9	5898.7	6035.5	6177.3	*6200.1*
7.5°	5149.0	5204.7	5237.7	5333.9	5445.3	5607.4	5777.1	5977.2	6212.8	*6245.7*
10°	4756.4	4807.1	4850.2	4986.9	5164.2	5404.8	5680.9	5969.6	6286.2	*6334.3*
12.5°	4513.3	4561.4	4609.5	4728.6	4948.9	5242.7	5617.6	6005.1	6407.8	*6476.2*
15°	4427.2	4470.2	4508.2	4614.6	4819.8	5154.1	5604.9	6078.5	6562.3	*6653.4*
17.5°	4439.9	4462.6	4488.0	4569.0	4769.1	5113.6	5627.7	6205.2	6744.6	*6825.7*
20°	4513.3	4526.0	4528.5	4584.2	4761.5	5108.5	5673.3	6326.7	6916.9	*7025.8*
22.5°	4607.0	4612.1	4607.0	4645.0	4809.6	5146.5	5734.1	6473.6	7109.3	*7210.6*
25°	5045.2	4948.9	4827.4	4753.9	4890.7	5219.9	5825.2	6671.2	7319.6	*7418.3*
27.5°	6405.2	6129.2	5693.5	5204.7	5057.8	5326.3	5951.9	6871.3	7532.3	*7620.9*
30°	8613.8	8251.6	7512.0	6410.3	5594.8	5549.2	6116.5	7071.3	7757.7	*7854.0*
32.5°	10827.4	10738.7	9885.2	8360.5	6802.9	6045.6	6390.0	7342.3	8056.6	*8132.6*
35°	13066.3	12886.5	12187.4	10680.5	8664.4	7056.2	6845.9	7696.9	8449.1	*8535.3*
37.5°	14780.9	14672.0	14238.9	12997.9	10873.0	8616.3	7626.0	8246.5	9019.0	*9115.2*
40°	16295.5	16244.8	16098.0	15279.9	13342.4	10657.7	8839.2	9097.5	9809.2	*9923.2*
42.5°	17485.9	17604.9	17688.5	17460.6	15887.7	12987.8	10470.3	10293.0	10910.9	*11027.5*
45°	18704.1	18744.6	19081.5	19410.7	18415.4	15424.2	12309.0	11693.6	12281.1	*12425.5*
47.5°	19486.7	19648.8	20241.5	20821.5	20540.3	17840.5	14284.5	13347.4	13869.2	*14140.2*
50°	19545.0	19851.4	20667.0	21677.5	22087.8	20140.2	16432.3	15231.8	15786.4	*16085.3*
52.5°	18574.9	19051.1	20314.9	21794.0	22923.6	22087.8	18653.5	17116.1	17827.8	*18217.8*
55°	14241.5	14864.5	18990.3	21160.9	22956.5	23564.4	20816.4	19079.0	20102.2	*20542.9*
57.5°	12407.8	12721.8	14930.4	20061.7	22346.2	24159.6	22771.7	20948.1	22576.6	*23123.7*
60°	10323.4	10736.2	12521.8	18263.4	21518.0	24217.8	24499.0	23359.3	25258.8	*25874.2*
62.5°	7015.6	7463.9	9239.4	15173.5	20385.8	24190.0	25914.8	25841.3	28239.8	*28900.8*
65°	4346.1	4627.3	5797.4	12390.1	18802.9	24220.4	27396.4	28855.2	31385.4	*32056.6*
67.5°	3434.4	3563.5	4173.9	9512.9	16075.2	23536.5	28875.5	31689.4	34346.2	*34878.0*
70°	*2307.3*	*2385.8*	*3036.7*	*6377.4*	*11959.5*	*20380.8*	*28847.6*	*33112.7*	*35870.9*	*36136.8*
72.5°	1215.7	1276.5	1775.4	2953.1	7223.3	14487.1	24316.6	31410.8	34353.8	*33953.6*
75°	607.9	709.2	1195.4	1499.4	3084.8	8079.4	15100.1	24764.9	27039.3	*25489.3*
77.5°	461.0	557.2	987.8	987.8	1073.9	2720.1	6395.1	13507.0	12458.4	*10374.0*
80°	293.8	379.9	863.7	747.2	448.3	691.4	1666.5	3783.9	2646.7	*2013.5*
82.5°	172.2	248.2	719.3	493.9	250.7	255.8	471.1	805.4	686.4	*534.4*
85°	68.4	162.1	493.9	195.0	98.8	63.3	141.8	172.2	141.8	*106.4*
87.5°	0.0	38.0	86.1	0.0	7.6	5.1	10.1	12.7	12.7	*10.1*
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°
6255.8	0°	6255.8	6255.8	6255.8	6255.8	6255.8	6255.8	6255.8	6255.8	6255.8	6255.8
6260.9	2.5°	6283.7	6288.7	6303.9	6306.5	6271.0	6225.4	6207.7	6200.1	6169.7	6167.2
6301.4	5°	6359.7	6382.4	6359.7	6293.8	6136.8	5916.4	5749.3	5612.5	5488.4	5450.4
6440.7	7.5°	6511.6	6534.4	6466.0	6207.7	5812.6	5374.4	4979.3	4700.7	4450.0	4356.3
6610.4	10°	6729.4	6759.8	6544.5	6022.8	5323.8	4619.7	3951.0	3480.0	3112.7	2963.3
6840.9	12.5°	7003.0	7015.6	6587.6	5741.7	4688.1	3682.6	2735.3	2231.3	1904.6	1783.0
7119.5	15°	7304.4	7286.6	6592.7	5359.2	3821.9	2603.6	1785.6	1466.4	1334.7	1294.2
7398.1	17.5°	7620.9	7547.5	6491.4	4807.1	2872.1	1780.5	1324.6	1248.6	1225.8	1215.7
7674.1	20°	7932.5	7767.8	6306.5	4085.3	2061.6	1329.7	1203.0	1180.2	1167.6	1162.5
7952.7	22.5°	8216.1	7935.0	5989.9	3246.9	1496.8	1175.2	1137.2	1116.9	1094.1	1084.0
8223.7	25°	8492.2	8031.2	5544.1	2464.3	1198.0	1099.2	1068.8	1030.8	1000.4	987.8
8515.0	27.5°	8760.7	8092.0	4986.9	1823.6	1068.8	1028.3	972.6	919.4	896.6	891.5
8826.5	30°	9046.9	8112.3	4353.7	1360.1	990.3	939.6	858.6	797.8	785.1	787.7
9247.0	32.5°	9396.4	8142.7	3715.5	1114.4	924.4	833.3	737.0	673.7	663.6	673.7
9859.9	35°	9814.3	8203.5	3100.0	1025.8	866.2	724.4	620.5	567.3	557.2	564.8
10645.0	37.5°	10381.6	8302.2	2525.1	1008.0	818.1	633.2	521.7	478.7	478.7	481.2
11607.4	40°	11136.4	8565.6	2011.0	995.4	792.7	564.8	440.7	423.0	430.6	435.6
12833.3	42.5°	12055.7	9125.4	1664.0	980.2	764.9	534.4	400.2	392.6	405.2	410.3
14302.3	45°	13086.6	9834.5	1542.4	954.8	739.6	554.7	382.4	372.3	387.5	390.0
15948.5	47.5°	14152.8	10528.5	1527.2	927.0	714.2	585.1	377.4	354.6	372.3	374.8
17706.2	50°	15231.8	10981.9	1542.4	883.9	673.7	585.1	379.9	336.9	352.0	359.6
19529.8	52.5°	16318.3	11189.5	1532.3	790.2	602.8	549.6	379.9	321.7	336.9	341.9
21500.2	55°	17371.9	11149.0	1377.8	650.9	511.6	486.3	369.8	309.0	319.1	321.7
23361.8	57.5°	18205.2	10584.2	1091.6	506.5	415.4	405.2	336.9	293.8	301.4	298.9
25068.8	60°	18640.8	9343.2	780.1	390.0	326.7	319.1	296.3	273.5	278.6	265.9
26515.0	62.5°	18645.9	7702.0	521.7	309.0	260.9	253.3	253.3	245.7	240.6	215.3
27634.5	65°	18248.2	5881.0	347.0	245.7	210.2	197.6	212.7	210.2	192.5	157.0
27976.4	67.5°	17346.6	3854.8	263.4	192.5	162.1	154.5	169.7	177.3	164.6	131.7
26730.3	70°	*15492.6*	*2244.0*	*217.8*	*149.4*	*121.6*	*114.0*	*136.8*	*152.0*	*136.8*	*106.4*
22847.6	72.5°	12868.7	1210.6	177.3	111.4	83.6	76.0	108.9	124.1	108.9	78.5
14659.4	75°	8350.4	648.4	136.8	73.4	43.1	48.1	81.0	91.2	76.0	50.7
4303.1	77.5°	2803.7	286.2	86.1	35.5	20.3	20.3	48.1	55.7	35.5	17.7
782.6	80°	625.6	119.0	35.5	15.2	7.6	7.6	10.1	10.1	5.1	0.0
240.6	82.5°	205.2	48.1	15.2	5.1	0.0	0.0	0.0	0.0	0.0	0.0
60.8	85°	78.5	17.7	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.3	87.5°	30.4	2.5	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

(END O

Scaled Data Report

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180°
6255.8
6172.2
5427.6
4318.3
2900.0
1745.0
1294.2
1213.2
1157.5
1081.5
982.7
886.5
787.7
671.2
562.3
478.7
435.6
410.3
392.6
377.4
362.2
341.9
321.7
298.9
263.4
207.7
152.0
129.2
101.3
76.0
45.6
15.2
0.0
0.0
0.0
0.0
0.0

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