

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: P269381

Luminaire Tested: **GLEON-AF-06-LED-E1-RW-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P269381  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24166)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GLEON-AF-06-LED-E1-RW-7027  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31617.4 lumens  
Efficiency: N/A  
Efficacy: 94.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium - Full Cutoff  
BUG Rating: B5 - U0 - G5

Input Watts (W): 333  
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: 25 FT

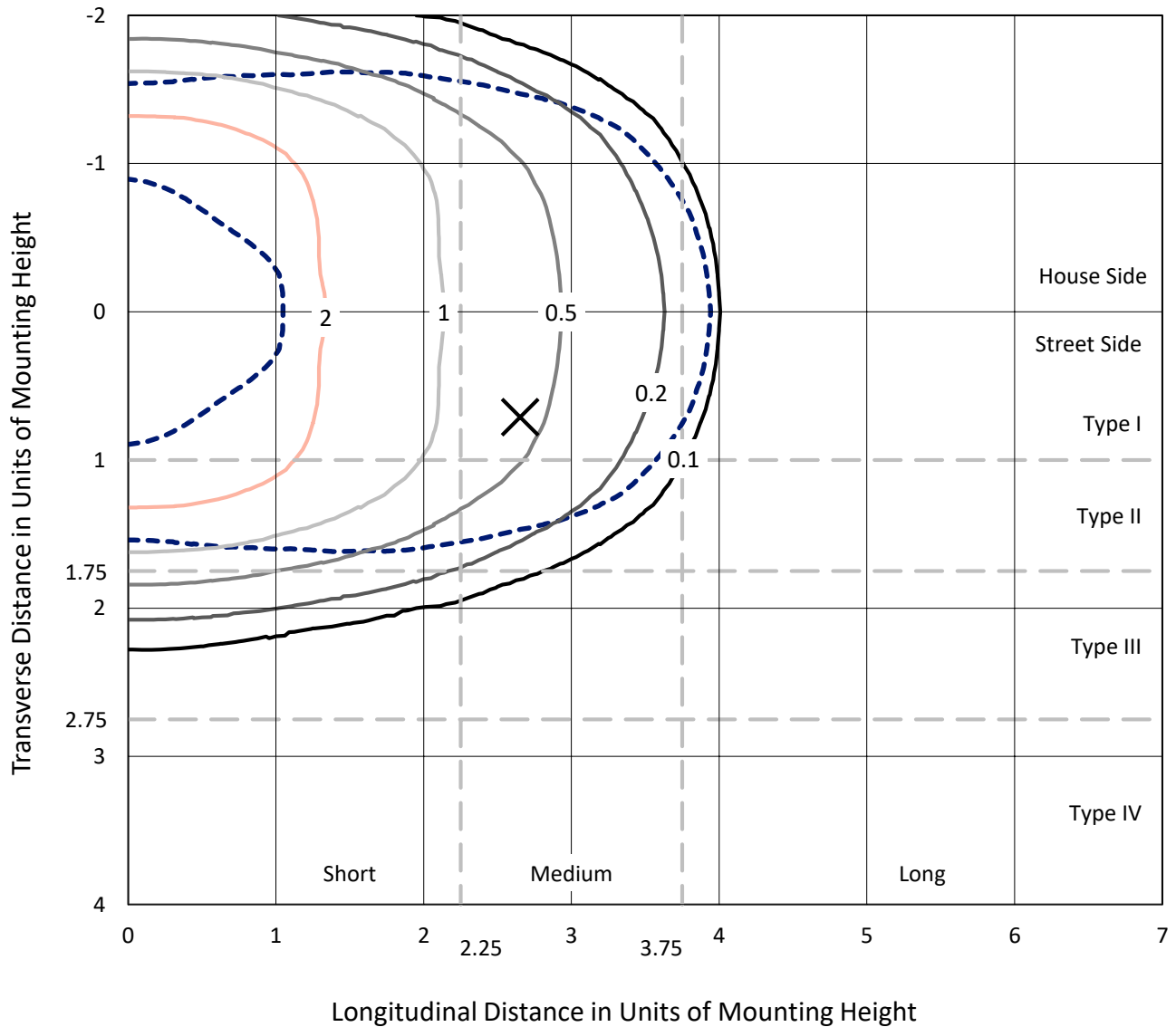


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### Iso-Footcandle Lines of Horizontal Illumination

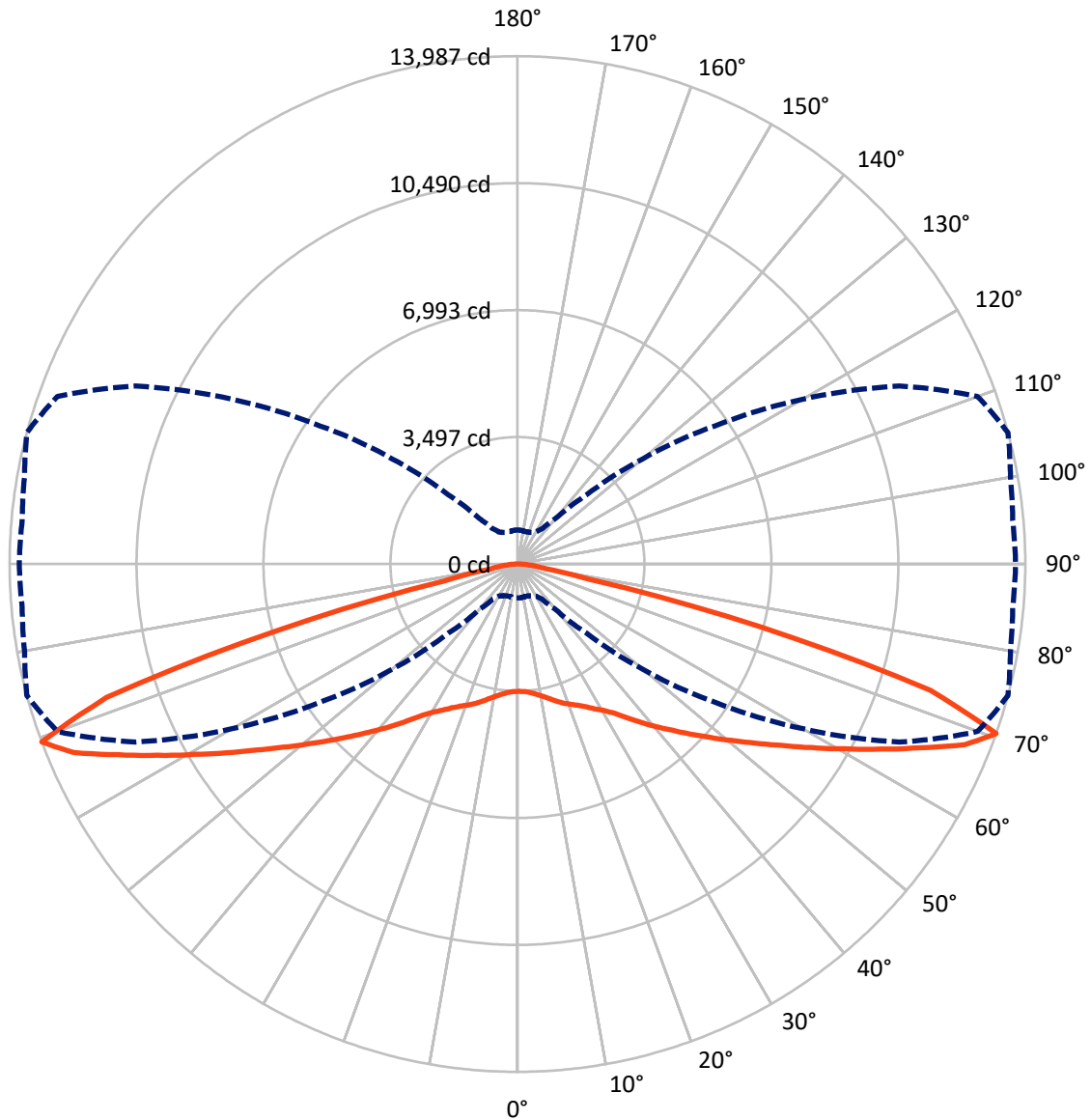
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.9 fc  
 Type II - Medium - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15808.7	0.0	15808.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15808.7	0.0	15808.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31617.4	0.0	31617.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	336.4	1.1
10°-20°	1045.1	3.3
20°-30°	1967.1	6.2
30°-40°	3483.3	11.0
40°-50°	5825.2	18.4
50°-60°	8117.4	25.7
60°-70°	7527.6	23.8
70°-80°	3000.0	9.5
80°-90°	315.3	1.0
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°	31617.4	100.0
0°-180°	31617.4	100.0



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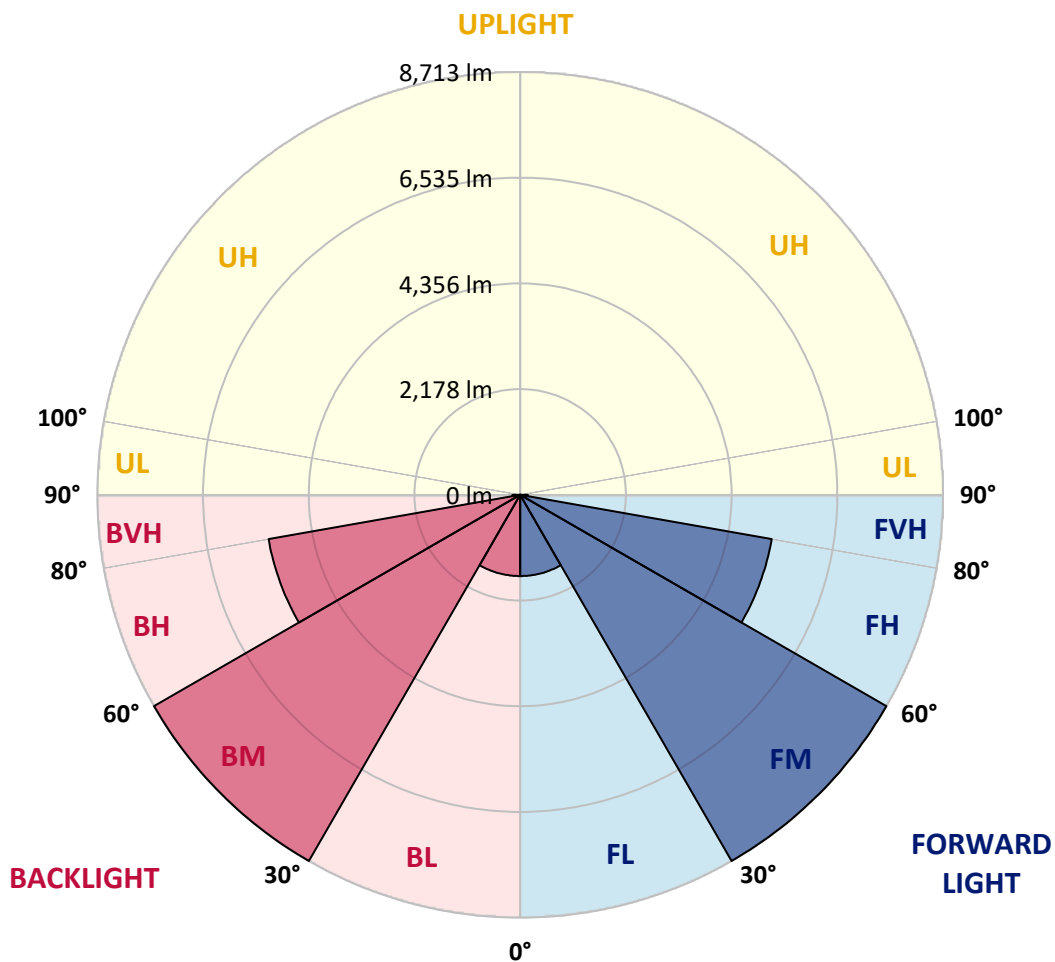
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1674.3	5.3			
FM	(30°-60°)	8713.0	27.6			
FH	(60°-80°)	5263.8	16.6			G3/7500
FVH	(80°-90°)	157.7	0.5			G2/225
BL	(0°-30°)	1674.3	5.3	B3/2500		
BM	(30°-60°)	8713.0	27.6	B5		
BH	(60°-80°)	5263.8	16.6	B5		G5
BVH	(80°-90°)	157.7	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2
2.5°	3501.1	3498.1	3501.1	3499.6	3502.6	3502.6	3505.6	3511.7	3511.7	3516.1	3514.6
5°	3466.7	3465.3	3469.8	3474.3	3478.7	3487.7	3496.7	3510.0	3520.5	3528.1	3535.5
7.5°	3399.5	3399.5	3405.6	3416.0	3426.4	3445.9	3466.7	3493.7	3520.5	3542.9	3562.4
10°	3344.2	3347.3	3354.7	3372.6	3390.6	3420.4	3448.9	3487.7	3525.0	3562.4	3592.3
12.5°	3311.3	3315.9	3329.3	3356.2	3386.2	3426.4	3469.8	3519.1	3560.9	3605.7	3635.6
15°	3321.8	3324.7	3344.2	3377.1	3416.0	3466.7	3525.0	3583.2	3632.7	3680.4	3720.8
17.5°	3380.1	3384.5	3407.0	3444.3	3484.6	3544.4	3607.2	3673.0	3734.3	3788.1	3837.4
20°	3484.6	3489.1	3517.6	3557.8	3605.7	3667.1	3729.8	3798.6	3867.3	3924.1	3979.3
22.5°	3632.7	3640.1	3667.1	3707.3	3761.2	3826.9	3901.6	3974.8	4040.5	4092.9	4142.2
25°	3826.9	3843.3	3868.7	3913.6	3970.4	4030.2	4110.9	4185.6	4248.3	4297.6	4333.5
27.5°	4101.8	4124.3	4143.7	4187.0	4242.2	4299.1	4379.7	4445.5	4505.3	4553.1	4580.0
30°	4466.5	4488.9	4508.4	4550.2	4600.8	4654.7	4731.0	4789.3	4826.6	4864.0	4862.4
32.5°	4908.8	4932.7	4940.1	4985.0	5037.2	5095.5	5164.3	5197.1	5227.1	5231.5	5204.6
35°	5403.3	5415.3	5445.3	5505.1	5564.8	5612.6	5678.4	5694.7	5694.7	5672.3	5612.6
37.5°	5945.8	5953.2	5995.1	6062.3	6123.7	6173.0	6217.8	6250.6	6234.1	6186.4	6086.2
40°	6540.5	6553.9	6613.7	6673.5	6742.3	6788.6	6836.5	6842.4	6826.0	6755.8	6619.7
42.5°	7108.4	7120.3	7180.2	7274.2	7363.9	7428.2	7473.0	7482.0	7429.6	7365.5	7196.5
45°	7597.0	7628.3	7706.1	7816.6	7946.6	8037.9	8099.1	8124.5	8078.2	7994.5	7798.7
47.5°	7984.0	8015.3	8126.0	8257.5	8418.8	8566.7	8668.5	8722.3	8710.2	8647.4	8433.7
50°	8267.9	8297.9	8417.4	8578.8	8767.0	8950.8	9124.2	9252.7	9297.5	9269.2	9073.4
52.5°	8300.8	8350.1	8490.6	8707.2	8952.2	9203.3	9449.9	9668.1	9816.0	9838.4	9693.5
55°	7842.1	7891.4	8085.6	8406.9	8771.5	9180.9	9575.5	9943.0	10234.4	10383.9	10307.6
57.5°	6760.1	6848.4	7053.1	7429.6	7966.1	8578.8	9207.8	9860.9	10454.0	10850.1	10926.3
60°	5180.7	5285.3	5491.5	5892.1	6489.7	7220.4	8060.2	9025.5	10073.1	10963.6	11495.6
62.5°	3323.3	3422.0	3638.7	3986.8	4473.9	5266.0	6167.0	7313.1	8720.7	10126.9	11394.0
65°	1707.9	1761.8	1875.3	2086.0	2465.6	3057.3	3865.8	5008.9	6618.3	8353.1	10185.2
67.5°	1081.9	1092.2	1117.8	1147.7	1244.7	1449.4	1826.1	2538.8	3862.7	5672.3	7816.6
70°	935.5	935.5	923.5	919.0	931.0	959.3	1017.6	1183.4	1630.2	2692.7	4508.4
72.5°	856.3	847.3	826.4	809.9	806.9	806.9	818.9	844.2	916.0	1096.8	1764.8
75°	789.0	763.6	735.3	715.8	708.4	700.8	699.3	703.8	718.7	747.1	842.8
77.5°	706.7	673.9	641.0	621.6	612.6	602.3	593.2	582.8	575.4	584.3	626.1
80°	608.2	570.9	545.5	533.5	524.5	509.6	490.1	472.1	455.8	452.7	478.2
82.5°	490.1	446.7	448.3	452.7	436.3	415.5	394.4	375.0	346.7	331.7	346.7
85°	396.1	373.5	363.2	391.5	367.5	336.2	303.4	269.0	224.1	188.3	204.8
87.5°	153.9	153.9	230.1	354.1	318.3	260.0	222.7	189.8	118.0	91.2	92.6
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):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2	3507.2
2.5°	3513.1	3516.1	3514.6	3513.1	3513.1	3511.7	3513.1	3513.1
5°	3540.0	3547.4	3547.4	3550.5	3550.5	3552.0	3553.4	3552.0
7.5°	3580.4	3593.8	3602.7	3613.3	3614.7	3616.1	3619.2	3616.1
10°	3620.7	3647.6	3667.1	3686.5	3695.4	3698.4	3701.3	3701.3
12.5°	3671.6	3708.8	3743.1	3777.6	3794.0	3803.0	3803.0	3809.0
15°	3755.2	3792.6	3832.9	3879.2	3907.5	3922.4	3927.0	3927.0
17.5°	3873.2	3906.1	3940.4	3985.3	4021.2	4040.5	4045.1	4043.6
20°	4010.8	4042.1	4061.4	4090.0	4121.2	4143.7	4149.7	4149.7
22.5°	4167.5	4185.6	4188.4	4197.5	4222.9	4252.8	4266.2	4269.3
25°	4340.9	4345.5	4333.5	4333.5	4350.0	4378.2	4391.8	4393.3
27.5°	4565.0	4542.6	4512.7	4502.3	4512.7	4545.7	4562.1	4568.2
30°	4844.5	4790.8	4722.0	4684.7	4678.6	4722.0	4751.9	4756.3
32.5°	5164.3	5086.7	4995.5	4919.2	4899.7	4926.7	4962.5	4961.1
35°	5543.8	5451.2	5340.7	5243.4	5198.6	5225.5	5276.4	5282.4
37.5°	5981.6	5860.6	5733.6	5611.1	5540.8	5548.3	5602.1	5620.1
40°	6470.3	6313.4	6153.5	5989.1	5889.0	5869.5	5935.3	5945.8
42.5°	6993.3	6791.5	6589.8	6386.6	6258.1	6228.2	6304.5	6300.0
45°	7550.7	7293.7	7057.5	6833.3	6681.1	6636.1	6698.9	6698.9
47.5°	8150.0	7833.1	7552.2	7298.1	7132.3	7068.0	7127.8	7132.3
50°	8785.0	8448.7	8118.5	7836.0	7637.3	7555.1	7632.9	7644.8
52.5°	9417.0	9089.8	8756.6	8433.7	8193.3	8093.1	8182.8	8221.6
55°	10058.1	9736.8	9418.5	9103.2	8817.9	8699.7	8795.5	8844.7
57.5°	10735.0	10437.6	10134.3	9816.0	9541.1	9357.3	9459.0	9524.5
60°	11528.5	11274.4	10959.1	10608.1	10330.1	10143.3	10201.5	10259.8
62.5°	12156.1	12254.7	11987.3	11580.8	11223.7	10984.6	11041.3	11102.6
65°	11852.7	12864.4	13102.0	12691.1	12196.5	11824.4	11800.5	11831.8
67.5°	9907.1	11872.2	13305.2	13696.6	13282.8	12765.8	12670.1	12716.4
70°	6627.2	9074.9	11603.1	13486.1	13986.6	13786.4	13692.2	13720.6
72.5°	3182.9	5285.3	7871.9	10374.9	11899.0	12598.4	12822.5	12931.6
75°	1164.1	2098.0	3794.0	5717.2	6902.1	7990.1	8699.7	8989.7
77.5°	702.4	847.3	1211.9	1824.5	2066.6	2313.1	2217.6	2265.3
80°	519.9	587.2	664.9	747.1	774.0	774.0	744.2	720.3
82.5°	364.6	407.9	445.3	490.1	502.2	479.6	394.4	313.8
85°	234.5	254.0	270.5	298.9	291.4	277.9	186.8	165.8
87.5°	107.5	122.4	128.5	141.9	136.0	130.1	92.6	77.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)