

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: P530999

Luminaire Tested: **GALN-SA6B-730-U-T3-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530999  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6B-730-U-T3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18351 lumens  
Efficiency: N/A  
Efficacy: 75.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G1

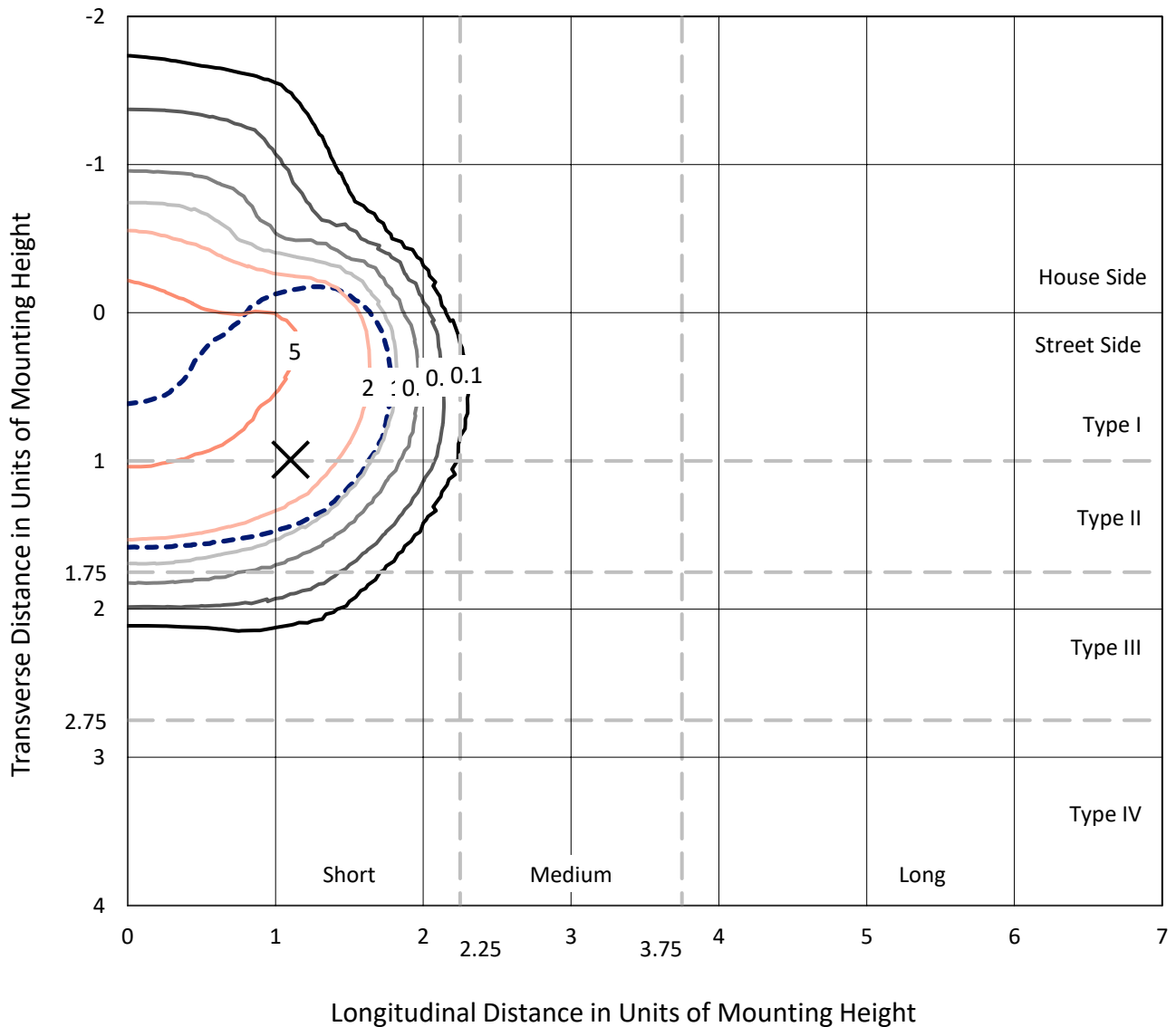
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

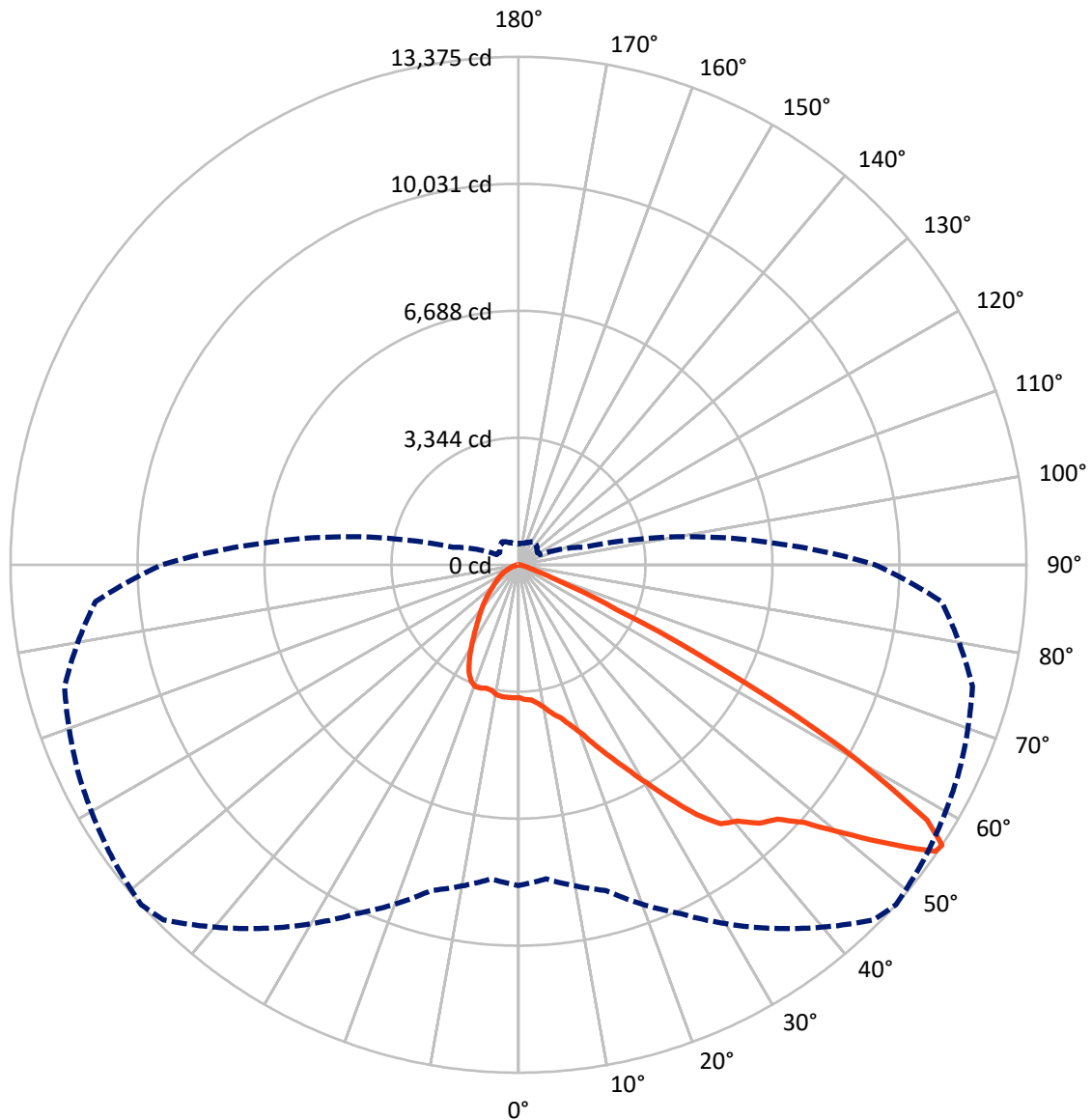
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3991.0	0.0	3991.0
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	14360.0	0.0	14360.0
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	18351.0	0.0	18351.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	341.4	1.9
10°-20°	1091.2	5.9
20°-30°	1979.1	10.8
30°-40°	3108.8	16.9
40°-50°	4535.2	24.7
50°-60°	5464.0	29.8
60°-70°	1599.8	8.7
70°-80°	202.9	1.1
80°-90°	28.4	0.2
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°	18351.0	100.0
0°-180°	18351.0	100.0

**Coefficient of Utilization**



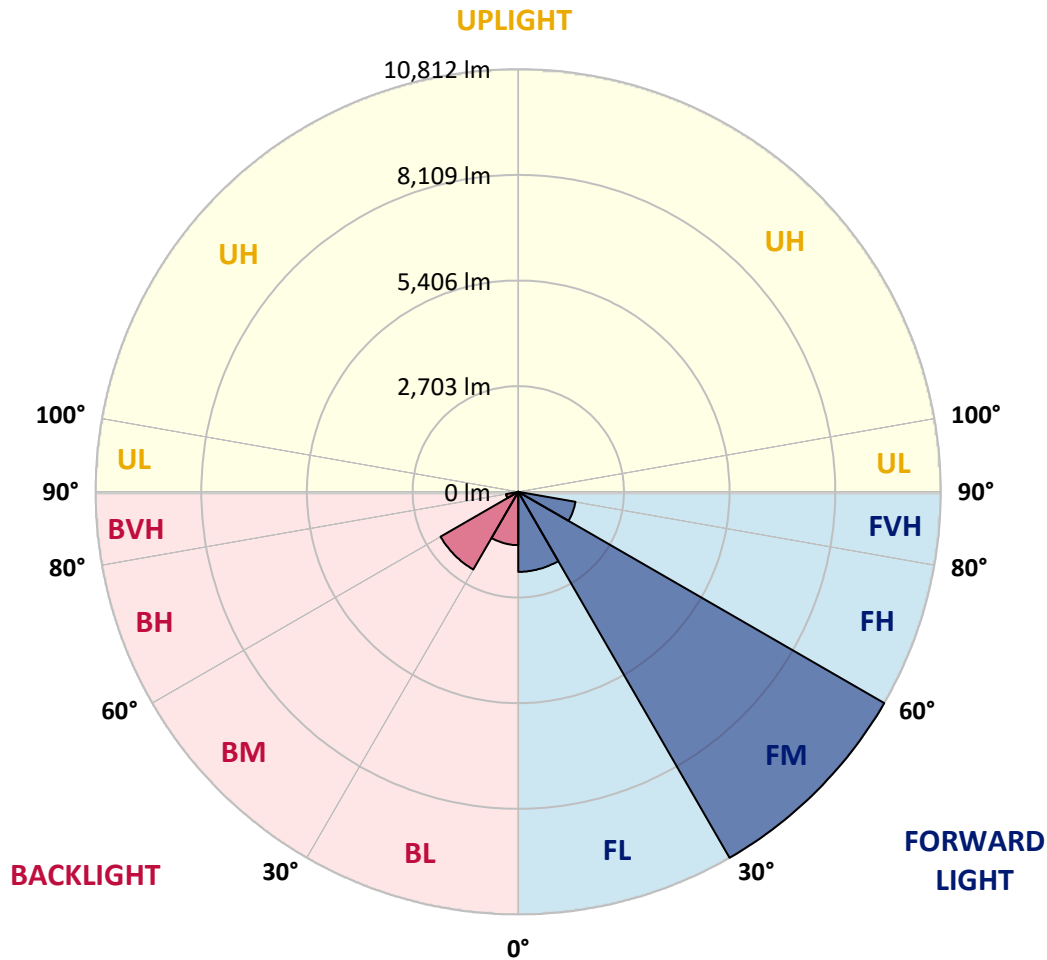
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2047.6	11.2			
FM (30°-60°)	10812.5	58.9			
FH (60°-80°)	1485.7	8.1			G1/1800
FVH (80°-90°)	14.3	0.1			G1/100
BL (0°-30°)	1364.1	7.4	B3/2500		
BM (30°-60°)	2295.6	12.5	B2/2500		
BH (60°-80°)	317.1	1.7	B1/500		G1/500
BVH (80°-90°)	14.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	3505.0	3505.0	3505.0	3505.0	3505.0	3505.0	3505.0	3505.0	3505.0	3505.0	3505.0
2.5°	3568.5	3551.8	3551.8	3525.1	3555.2	3541.8	3551.8	3518.4	3551.8	3501.7	3541.8
5°	3585.2	3588.6	3575.2	3591.9	3591.9	3612.0	3578.6	3608.6	3625.3	3588.6	3571.9
7.5°	3672.1	3678.8	3675.5	3662.1	3688.8	3685.5	3682.1	3658.7	3665.4	3652.1	3632.0
10°	3842.5	3839.2	3855.9	3822.5	3802.4	3825.8	3832.5	3795.7	3769.0	3759.0	3695.5
12.5°	4089.8	4049.7	4026.3	3992.9	4002.9	3969.5	4029.6	3966.2	3952.8	3892.6	3829.2
15°	4290.3	4283.6	4286.9	4233.5	4173.3	4186.7	4186.7	4153.3	4133.2	4059.7	3969.5
17.5°	4701.2	4560.9	4591.0	4524.2	4474.0	4470.7	4440.6	4447.3	4393.8	4240.1	4103.1
20°	5022.0	4961.9	4915.1	4801.5	4724.6	4748.0	4734.7	4701.2	4684.5	4484.1	4290.3
22.5°	5309.4	5329.4	5252.6	5222.5	5115.6	5125.6	5152.3	5122.2	4995.3	4788.1	4500.8
25°	5713.7	5690.3	5586.7	5549.9	5449.7	5486.5	5590.0	5566.6	5486.5	5112.2	4664.5
27.5°	6191.5	6111.3	6131.3	5964.3	5867.4	5970.9	6094.6	6211.5	5984.3	5493.1	4858.3
30°	6528.9	6445.4	6438.7	6432.0	6408.7	6528.9	6672.6	6779.5	6595.8	5874.0	5179.1
32.5°	6696.0	6716.1	6772.9	6752.8	6956.6	7203.9	7354.3	7508.0	7277.4	6495.5	5603.4
35°	7140.4	7013.4	7140.4	7153.8	7364.3	7888.9	8079.3	8446.9	8390.1	7374.3	6121.3
37.5°	7401.0	7391.0	7407.7	7534.7	7738.5	8386.7	8657.4	8941.4	8834.5	7902.2	6766.2
40°	7832.1	7858.8	7855.5	7952.4	8176.2	8761.0	8871.2	9101.8	9111.8	8634.0	7715.1
42.5°	8523.7	8416.8	8346.6	8446.9	8761.0	9085.1	9305.6	9258.8	9589.6	9522.8	8934.7
45°	9145.2	9208.7	9105.1	9272.2	9385.8	9559.5	9552.8	9653.1	10074.1	10391.5	9853.6
47.5°	9726.6	9766.7	9816.8	9930.4	10177.7	10204.4	10147.6	10104.2	10685.6	11013.0	10565.3
50°	10074.1	10110.8	10344.7	10548.6	11009.7	11069.8	11103.2	10993.0	11387.2	11424.0	11236.9
52.5°	9980.5	10020.6	10348.1	11019.7	11754.8	12306.1	12205.9	12018.7	11995.4	12139.0	11858.4
55°	9151.9	9115.1	9566.2	10612.0	11988.7	13311.8	13325.2	13128.1	12750.5	12653.6	11764.8
56°	8446.9	8303.2	8877.9	10140.9	11688.0	13225.0	13375.3	13164.8	12810.6	12376.3	11186.8
57.5°	6919.9	7056.9	7628.2	8674.1	10648.8	12600.1	12687.0	12636.9	12369.6	11641.2	9843.5
60°	3815.8	4056.4	4560.9	5840.6	7581.5	9669.8	9740.0	10147.6	10197.7	8914.7	6772.9
62.5°	1620.5	1593.8	2118.4	3060.7	4317.0	5837.3	5967.6	6385.3	6462.1	5139.0	3398.1
65°	658.2	695.0	959.0	1540.4	2282.1	2659.7	2843.5	2980.5	3234.4	2121.7	1253.0
67.5°	434.4	431.0	564.7	878.8	1229.6	1186.2	1186.2	1253.0	1159.4	865.4	541.3
70°	310.7	320.8	404.3	608.1	765.2	568.0	544.6	521.2	591.4	571.4	437.7
72.5°	203.8	217.2	270.6	364.2	397.6	310.7	310.7	374.2	487.8	461.1	357.5
75°	133.7	137.0	167.1	210.5	197.1	160.4	177.1	250.6	354.2	340.8	253.9
77.5°	90.2	93.6	113.6	137.0	110.3	90.2	96.9	127.0	173.7	173.7	133.7
80°	33.4	36.8	46.8	43.4	50.1	63.5	70.2	86.9	103.6	103.6	90.2
82.5°	0.0	3.3	10.0	23.4	36.8	50.1	56.8	66.8	76.9	86.9	83.5
85°	0.0	3.3	10.0	16.7	26.7	30.1	33.4	23.4	20.0	20.0	16.7
87.5°	0.0	0.0	3.3	3.3	3.3	3.3	3.3	3.3	6.7	3.3	3.3
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3505.0	3505.0	3505.0	3505.0	3505.0	3505.0	3505.0	3505.0	3505.0	3505.0	3505.0
2.5°	3505.0	3501.7	3501.7	3491.7	3511.7	3501.7	3508.4	3505.0	3461.6	3495.0	3471.6
5°	3541.8	3565.2	3528.4	3521.8	3495.0	3505.0	3505.0	3471.6	3501.7	3498.4	3491.7
7.5°	3635.4	3595.3	3555.2	3515.1	3508.4	3498.4	3461.6	3448.2	3471.6	3444.9	3485.0
10°	3675.5	3682.1	3622.0	3568.5	3518.4	3448.2	3398.1	3368.1	3331.3	3371.4	3394.8
12.5°	3859.2	3792.4	3688.8	3605.3	3434.9	3364.7	3314.6	3301.2	3364.7	3378.1	3354.7
15°	3922.7	3912.7	3779.0	3591.9	3414.8	3331.3	3341.3	3314.6	3321.3	3287.9	3294.5
17.5°	4053.0	3939.4	3782.4	3548.5	3411.5	3391.4	3331.3	3224.4	3164.2	3137.5	3160.9
20°	4196.7	4086.4	3859.2	3565.2	3441.6	3388.1	3191.0	3060.7	2937.0	2870.2	2873.5
22.5°	4323.7	4186.7	3825.8	3571.9	3468.3	3247.8	3010.5	2753.3	2599.6	2496.0	2499.3
25°	4477.4	4283.6	3839.2	3585.2	3398.1	3023.9	2683.1	2432.5	2248.7	2178.5	2201.9
27.5°	4564.2	4343.7	3912.7	3615.3	3214.4	2706.5	2338.9	2105.0	1998.1	1964.7	1961.4
30°	4824.9	4477.4	4002.9	3555.2	2907.0	2365.7	2024.8	1881.2	1777.6	1747.5	1754.2
32.5°	5212.5	4721.3	4119.9	3398.1	2592.9	2061.6	1821.0	1714.1	1617.2	1560.4	1553.7
35°	5536.6	5139.0	4243.5	3154.2	2228.7	1827.7	1677.3	1543.7	1396.7	1333.2	1316.5
37.5°	6154.7	5610.1	4216.8	2786.7	1881.2	1654.0	1523.6	1359.9	1232.9	1146.1	1136.1
40°	6976.7	6161.4	4086.4	2338.9	1623.9	1500.3	1359.9	1202.9	1045.8	972.3	965.6
42.5°	7975.7	6836.3	3849.2	1884.5	1366.6	1346.6	1219.6	1039.2	898.8	845.4	848.7
45°	8787.7	7414.4	3608.6	1513.6	1176.1	1196.2	1085.9	915.5	818.6	775.2	775.2
47.5°	9509.4	7805.3	3348.0	1249.7	999.1	1045.8	948.9	848.7	765.2	731.7	725.1
50°	10204.4	8203.0	3087.4	1012.4	852.0	898.8	888.8	808.6	741.8	701.7	705.0
52.5°	10638.8	8266.4	2756.6	828.6	745.1	798.6	832.0	758.5	685.0	661.6	654.9
55°	10107.5	7447.8	2138.4	681.6	631.5	701.7	765.2	681.6	624.8	584.7	581.4
56°	9392.5	6659.3	1787.6	628.2	598.1	674.9	741.8	651.6	588.1	564.7	548.0
57.5°	7952.4	5449.7	1319.8	558.0	554.7	628.2	705.0	621.5	548.0	527.9	527.9
60°	4958.5	3067.3	798.6	467.8	481.2	558.0	634.9	554.7	487.8	487.8	497.9
62.5°	2258.7	1276.4	484.5	397.6	414.3	481.2	564.7	501.2	464.4	501.2	507.9
65°	768.5	551.3	350.8	317.4	327.4	397.6	484.5	507.9	504.5	527.9	541.3
67.5°	431.0	354.2	294.0	264.0	257.3	294.0	397.6	507.9	487.8	477.8	484.5
70°	364.2	300.7	260.6	233.9	223.9	237.2	307.4	384.3	344.2	334.1	327.4
72.5°	294.0	250.6	227.2	210.5	180.4	153.7	140.3	147.0	163.7	173.7	190.5
75°	207.2	190.5	190.5	170.4	130.3	96.9	76.9	63.5	43.4	30.1	33.4
77.5°	116.9	116.9	120.3	103.6	83.5	63.5	46.8	33.4	16.7	6.7	3.3
80°	80.2	86.9	93.6	83.5	70.2	56.8	40.1	23.4	10.0	0.0	0.0
82.5°	80.2	90.2	96.9	83.5	70.2	53.5	40.1	23.4	10.0	3.3	0.0
85°	16.7	20.0	23.4	26.7	40.1	40.1	30.1	20.0	10.0	3.3	0.0
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	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	0.0

(END OF REPORT)