

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P642621

Luminaire Tested: GWS-SA6D-730-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642621
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-730-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20143.1 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

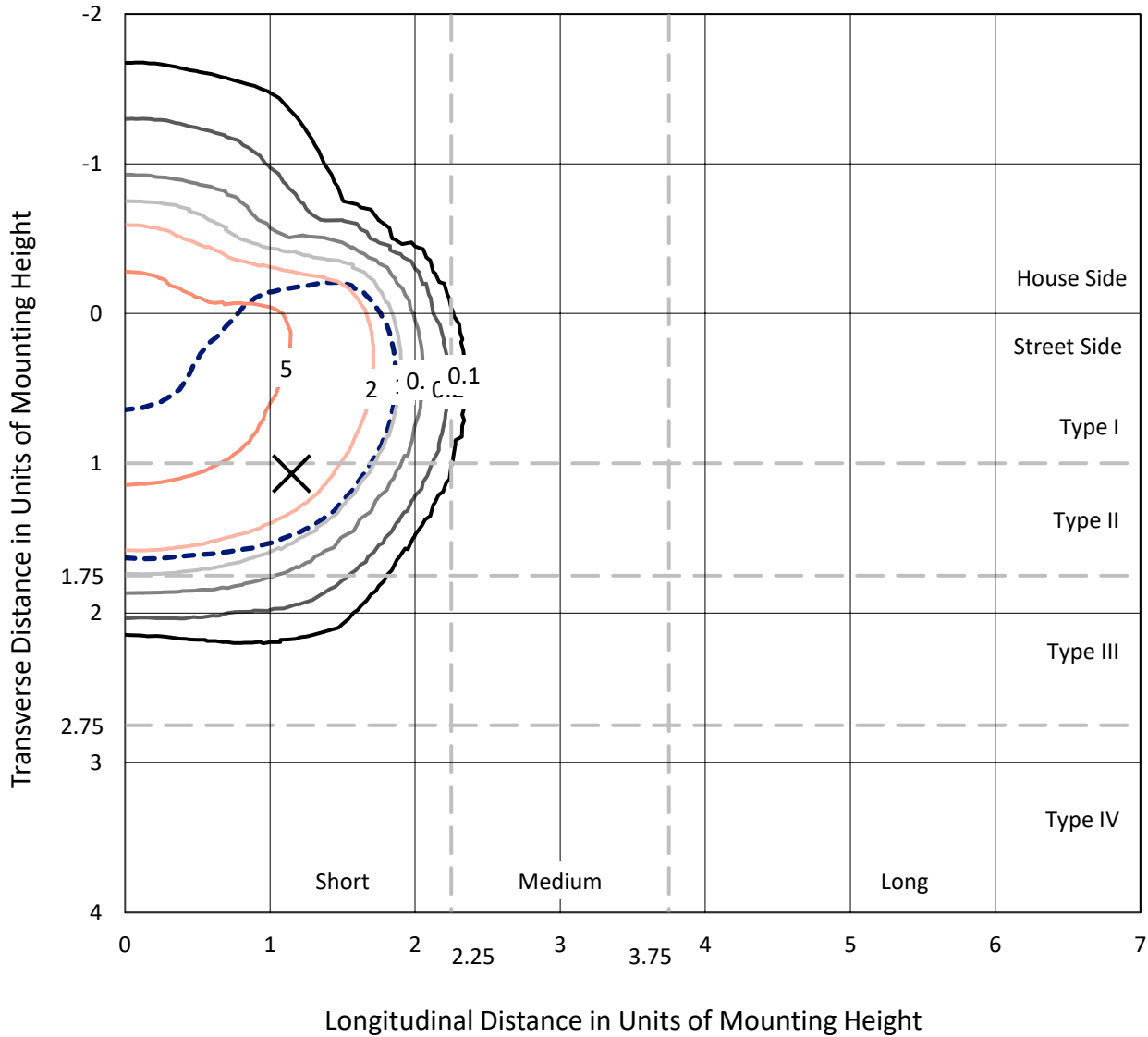
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

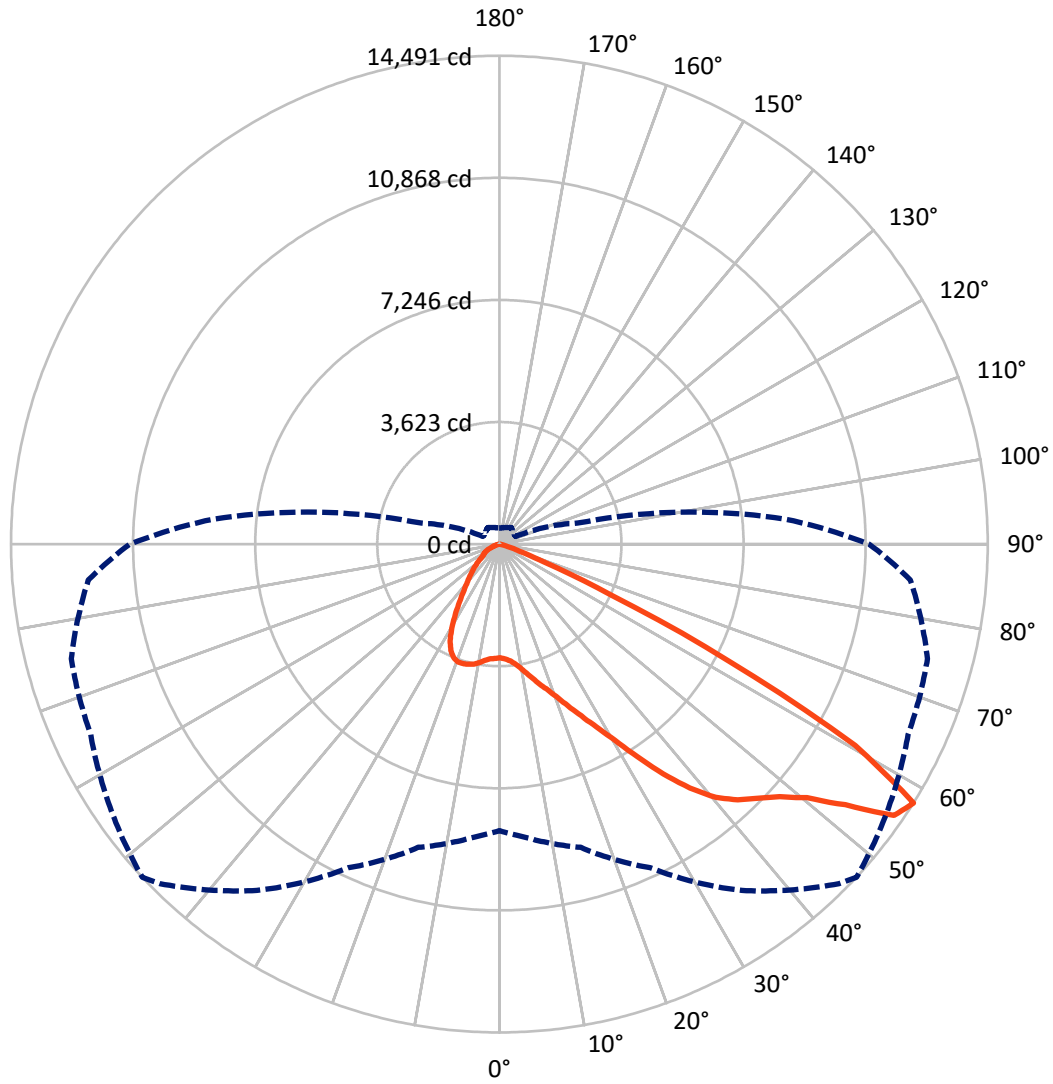
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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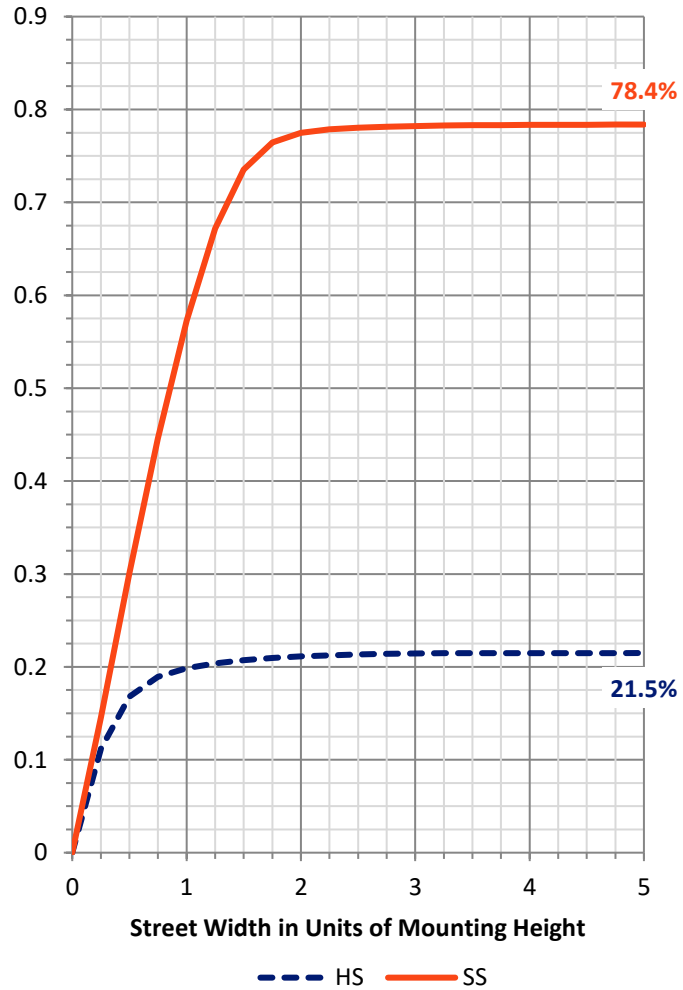
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4370.0	0.0	4370.0
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	15773.1	0.0	15773.1
	% Fixture	78.3	0.0	78.3
Total	Lumens	20143.1	0.0	20143.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.5	1.7
10°-20°	1132.0	5.6
20°-30°	2101.8	10.4
30°-40°	3364.6	16.7
40°-50°	4918.2	24.4
50°-60°	6070.0	30.1
60°-70°	2028.2	10.1
70°-80°	189.0	0.9
80°-90°	3.9	0.0
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°	20143.1	100.0
0°-180°	20143.1	100.0

Coefficient of Utilization



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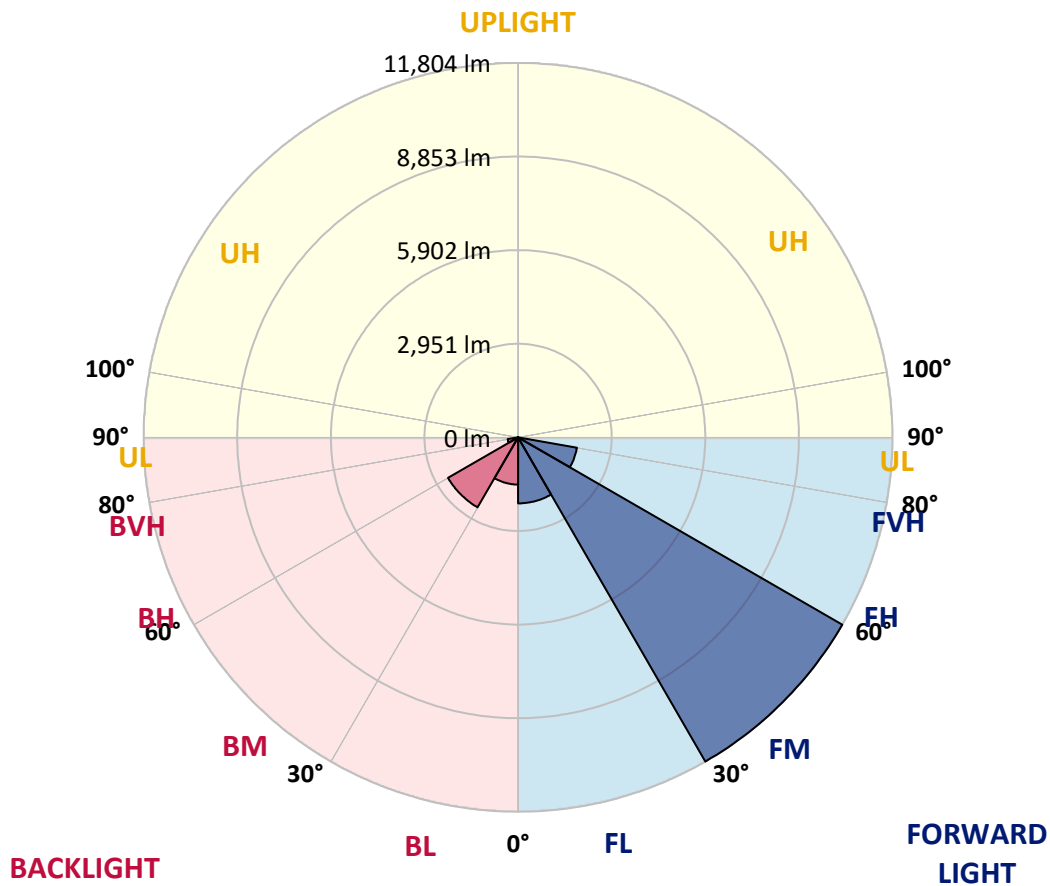
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2081.7	10.3			
FM (30°-60°)	11803.7	58.6			
FH (60°-80°)	1885.0	9.4			G2/5000
FVH (80°-90°)	2.7	0.0			G0/10
BL (0°-30°)	1487.5	7.4	B3/2500		
BM (30°-60°)	2549.0	12.7	B3/5000		
BH (60°-80°)	332.2	1.6	B1/500		G1/500
BVH (80°-90°)	1.2	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3372.0	3372.0	3372.0	3372.0	3372.0	3372.0	3372.0	3372.0	3372.0	3372.0	3372.0
2.5°	3407.1	3404.7	3402.4	3416.4	3411.7	3409.4	3414.1	3414.1	3414.1	3400.0	3372.0
5°	3488.9	3488.9	3486.6	3500.6	3488.9	3481.9	3484.2	3484.2	3474.9	3449.1	3414.1
7.5°	3617.5	3612.8	3608.2	3622.2	3610.5	3608.2	3612.8	3598.8	3582.4	3540.3	3491.2
10°	3802.2	3802.2	3795.2	3809.3	3799.9	3795.2	3795.2	3785.9	3755.5	3690.0	3617.5
12.5°	4057.1	4045.4	4029.1	4017.4	4012.7	4010.4	4012.7	3998.7	3965.9	3881.7	3781.2
15°	4335.4	4326.0	4300.3	4281.6	4255.9	4251.2	4265.2	4253.6	4220.8	4106.2	3963.6
17.5°	4686.2	4697.9	4632.4	4592.6	4517.8	4513.1	4517.8	4536.5	4513.1	4365.8	4157.7
20°	4985.5	4994.8	4945.7	4917.7	4849.8	4819.4	4828.8	4859.2	4833.5	4660.4	4370.5
22.5°	5305.8	5317.5	5266.1	5207.6	5177.2	5177.2	5212.3	5254.4	5219.3	4992.5	4613.7
25°	5689.3	5698.7	5656.6	5579.4	5525.6	5593.5	5644.9	5757.1	5698.7	5390.0	4901.3
27.5°	6129.0	6131.3	6070.5	5991.0	5962.9	6089.2	6140.6	6313.7	6290.3	5836.7	5205.3
30°	6599.0	6601.3	6587.3	6533.5	6507.8	6673.8	6744.0	6994.2	6977.8	6390.9	5619.2
32.5°	7087.7	7087.7	7113.4	7108.7	7139.1	7410.4	7522.6	7807.9	7791.6	7069.0	6133.6
35°	7578.8	7581.1	7625.5	7737.8	7864.0	8224.2	8371.5	8717.6	8680.2	7880.4	6790.7
37.5°	8137.6	8114.3	8175.1	8343.4	8624.0	9040.3	9180.6	9510.3	9468.2	8710.5	7648.9
40°	8811.1	8769.0	8769.0	8965.4	9283.5	9762.8	9882.1	10045.8	9903.1	9381.7	8490.7
42.5°	9554.7	9515.0	9463.5	9636.6	9903.1	10277.3	10375.5	10331.1	10214.1	10015.4	9449.5
45°	10307.7	10246.9	10282.0	10387.2	10541.5	10719.2	10756.7	10550.9	10497.1	10553.2	10242.2
47.5°	10880.6	10838.5	10925.0	11072.3	11198.6	11224.3	11198.6	10913.3	10908.6	11107.4	10791.7
50°	11072.3	11077.0	11315.5	11638.2	11841.7	11862.7	11827.6	11500.3	11455.8	11514.3	11088.7
52.5°	11091.0	11109.8	11458.2	12073.2	12627.4	12879.9	12851.9	12498.8	12063.8	12000.7	11537.7
55°	10639.7	10749.6	11236.0	12134.0	13312.5	14119.3	14212.8	13537.0	12891.6	12837.8	12503.4
57.5°	8504.8	8729.3	9316.2	10595.3	12547.9	14247.9	14491.1	14004.7	13380.3	13151.2	12243.9
60°	5083.7	5362.0	5925.5	7494.6	9550.0	11710.7	12129.3	12197.1	11909.5	11247.7	9393.4
62.5°	2181.7	2158.3	2852.9	4054.8	5680.0	7443.1	7632.5	7927.2	8177.4	7485.2	5701.0
65°	748.3	813.8	1131.8	1828.6	2843.5	3456.2	3624.5	3888.8	4244.2	3502.9	2088.2
67.5°	463.0	491.1	652.4	1080.3	1534.0	1510.6	1435.8	1393.7	1356.3	928.3	572.9
70°	336.7	360.1	458.3	743.6	1031.2	724.9	629.0	509.8	565.9	521.5	406.9
72.5°	226.8	245.5	315.7	451.3	528.5	353.1	327.4	371.8	449.0	427.9	332.1
75°	135.6	147.3	180.1	219.8	215.1	182.4	184.7	261.9	343.7	320.4	236.2
77.5°	93.5	98.2	119.3	142.6	105.2	56.1	51.4	72.5	116.9	116.9	79.5
80°	23.4	30.4	30.4	18.7	16.4	14.0	14.0	21.0	32.7	23.4	11.7
82.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	4.7	4.7
85°	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	4.7
87.5°	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7
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°	3372.0	3372.0	3372.0	3372.0	3372.0	3372.0	3372.0	3372.0	3372.0	3372.0	3372.0
2.5°	3388.3	3360.3	3379.0	3374.3	3388.3	3393.0	3372.0	3367.3	3369.6	3341.6	3332.2
5°	3421.1	3388.3	3397.7	3388.3	3404.7	3418.7	3411.7	3421.1	3432.8	3411.7	3402.4
7.5°	3491.2	3458.5	3456.2	3442.1	3465.5	3474.9	3472.5	3498.3	3521.6	3507.6	3493.6
10°	3612.8	3568.4	3563.7	3552.0	3559.0	3566.1	3540.3	3545.0	3566.1	3549.7	3542.7
12.5°	3762.5	3708.7	3697.0	3669.0	3669.0	3633.9	3577.8	3566.1	3582.4	3570.7	3559.0
15°	3923.8	3851.3	3832.6	3783.5	3736.8	3671.3	3612.8	3598.8	3610.5	3596.5	3587.1
17.5°	4103.9	4022.1	3961.3	3874.7	3771.8	3694.7	3629.2	3598.8	3580.1	3552.0	3549.7
20°	4281.6	4174.0	4071.2	3933.2	3797.6	3680.6	3573.1	3493.6	3425.8	3383.7	3367.3
22.5°	4487.4	4328.4	4162.4	3968.3	3774.2	3596.5	3407.1	3271.4	3154.5	3114.8	3096.0
25°	4707.2	4501.4	4253.6	4001.0	3694.7	3409.4	3152.2	2951.1	2796.7	2745.3	2724.2
27.5°	4950.4	4667.5	4347.1	3994.0	3531.0	3142.8	2801.4	2551.2	2399.2	2352.4	2368.8
30°	5259.1	4882.6	4464.0	3921.5	3285.5	2768.7	2368.8	2158.3	2043.8	1999.3	2001.7
32.5°	5670.6	5191.3	4634.7	3767.2	2969.8	2343.1	1992.3	1838.0	1760.8	1702.4	1697.7
35°	6259.9	5661.3	4793.7	3519.3	2586.3	1964.3	1709.4	1587.8	1480.2	1412.4	1424.1
37.5°	6966.1	6252.9	4880.2	3184.9	2156.0	1669.6	1496.6	1372.6	1251.0	1150.5	1162.2
40°	7803.2	7026.9	4873.2	2745.3	1763.2	1468.5	1318.9	1173.9	1021.9	930.7	940.0
42.5°	8736.3	7758.8	4721.2	2279.9	1461.5	1304.8	1148.2	965.8	818.4	762.3	764.7
45°	9545.4	8352.8	4454.7	1798.2	1230.0	1145.8	970.4	783.4	717.9	678.1	675.8
47.5°	10144.0	8787.7	4073.5	1414.7	1042.9	1000.8	797.4	701.5	650.1	617.3	612.7
50°	10478.4	8939.7	3652.6	1108.4	881.6	848.8	713.2	636.0	601.0	579.9	575.2
52.5°	10927.4	9122.1	3350.9	874.6	738.9	694.5	657.1	591.6	568.2	551.9	544.8
55°	11638.2	9475.2	3089.0	694.5	615.0	605.6	619.7	565.9	551.9	526.1	516.8
57.5°	10969.4	8511.8	2399.2	537.8	519.1	554.2	598.6	540.2	505.1	481.7	472.4
60°	7719.1	5658.9	1206.6	432.6	463.0	519.1	563.6	488.7	453.7	458.3	453.7
62.5°	4255.9	2831.8	542.5	362.5	402.2	458.3	481.7	423.3	399.9	439.6	446.6
65°	1391.3	963.4	313.3	280.6	318.0	374.1	416.2	402.2	397.5	444.3	458.3
67.5°	427.9	318.0	212.8	201.1	219.8	275.9	350.8	434.9	467.7	481.7	488.7
70°	320.4	250.2	182.4	170.7	180.1	210.5	297.0	362.5	341.4	343.7	339.1
72.5°	257.2	198.8	156.7	149.7	149.7	145.0	156.7	196.4	222.1	233.8	233.8
75°	180.1	140.3	119.3	109.9	86.5	70.2	63.1	63.1	56.1	53.8	51.4
77.5°	60.8	51.4	46.8	37.4	25.7	21.0	18.7	16.4	11.7	7.0	4.7
80°	9.4	7.0	4.7	4.7	4.7	2.3	2.3	2.3	0.0	0.0	0.0
82.5°	4.7	4.7	4.7	4.7	4.7	2.3	2.3	0.0	0.0	0.0	0.0
85°	4.7	4.7	4.7	4.7	4.7	2.3	2.3	0.0	0.0	0.0	0.0
87.5°	4.7	4.7	4.7	4.7	2.3	2.3	2.3	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	0.0

(END OF REPORT)