

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: P642701

Luminaire Tested: GWS-SA6D-740-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642701
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-740-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23216.9 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

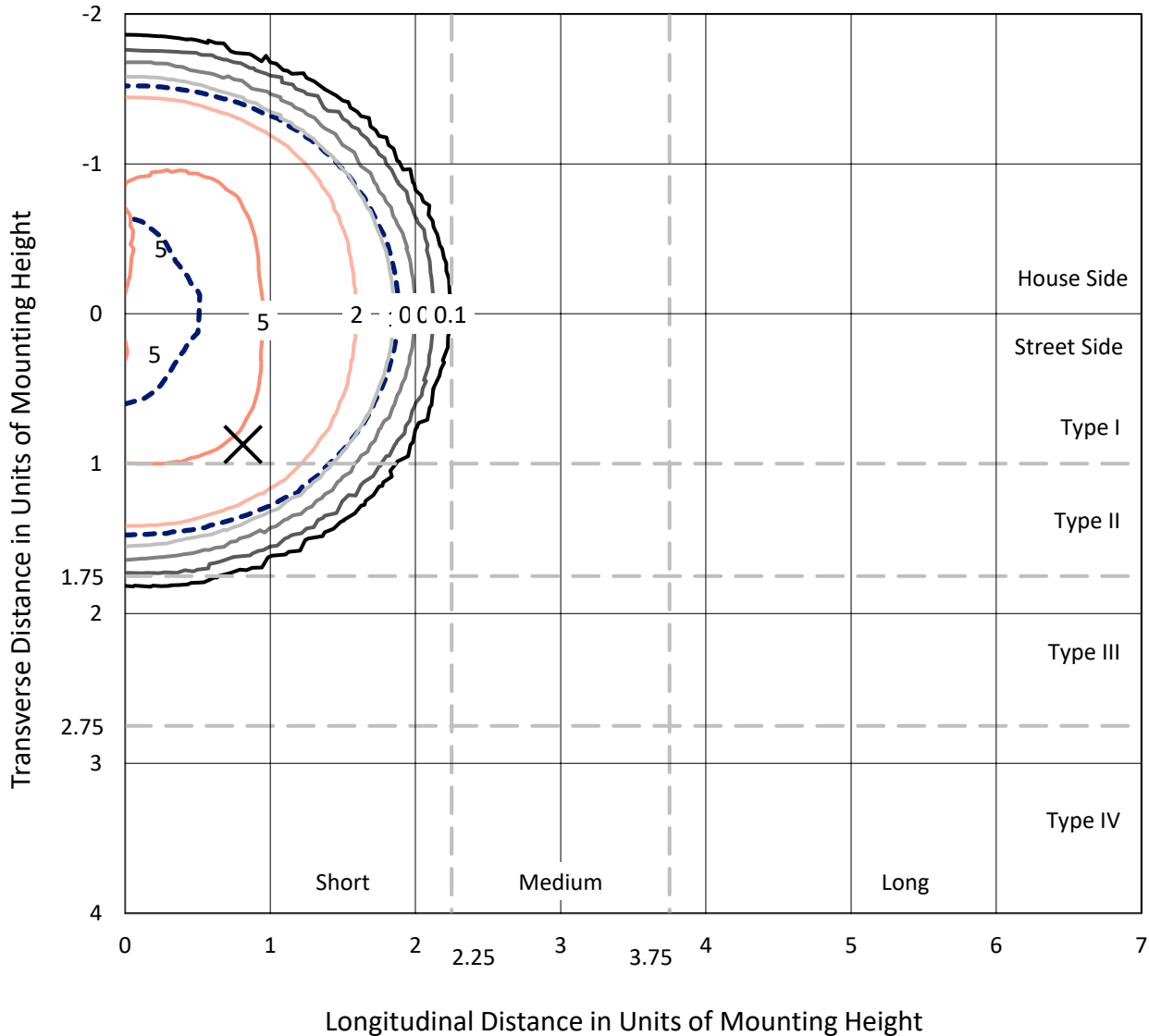
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

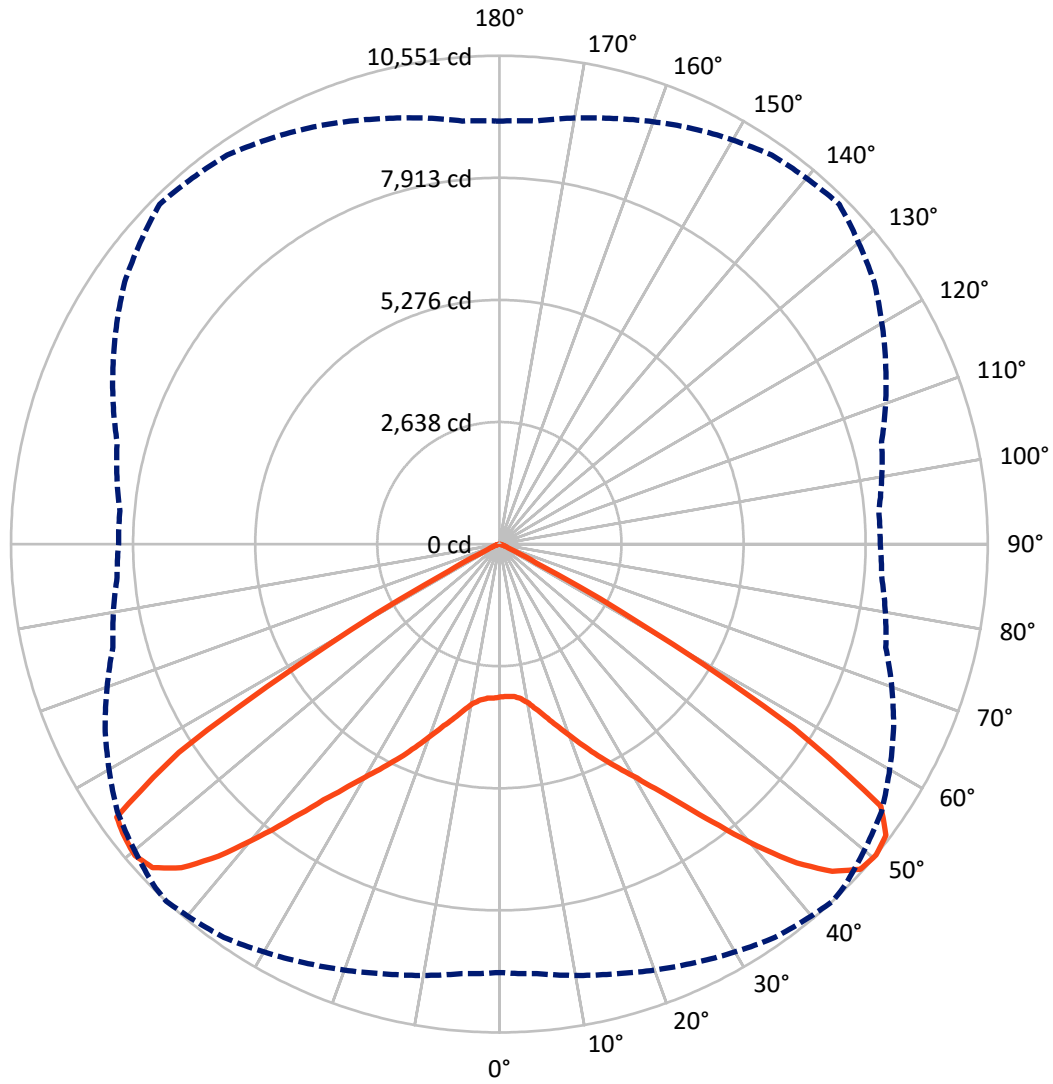
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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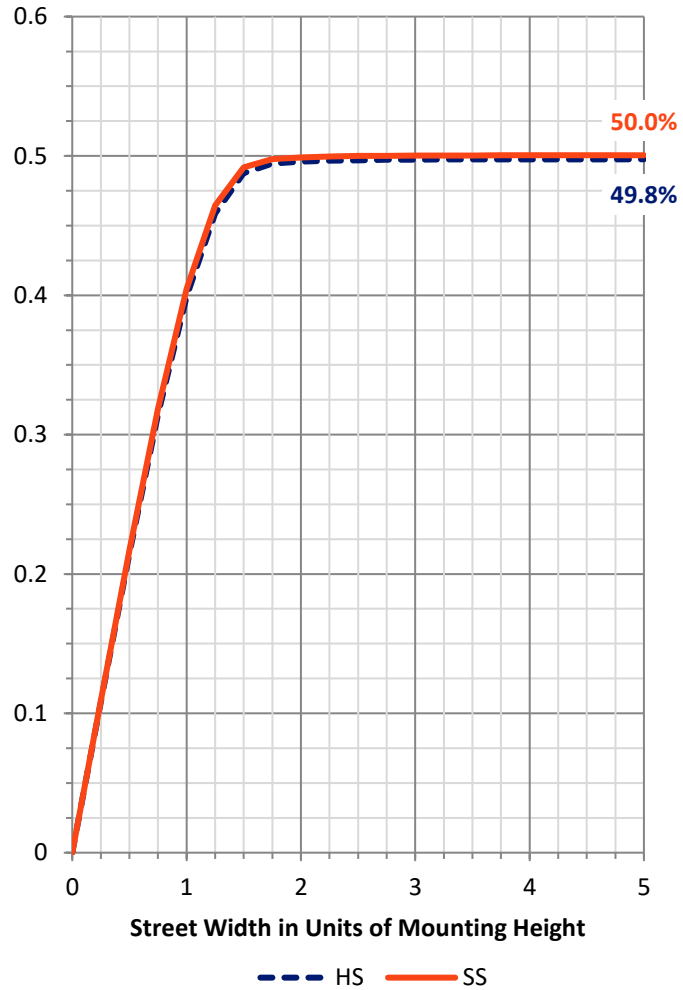
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11608.2	0.0	11608.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11608.7	0.0	11608.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	23216.9	0.0	23216.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.2	1.4
10°-20°	1119.1	4.8
20°-30°	2264.1	9.8
30°-40°	4200.7	18.1
40°-50°	6972.9	30.0
50°-60°	7116.1	30.7
60°-70°	1167.0	5.0
70°-80°	51.1	0.2
80°-90°	0.7	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°	23216.9	100.0
0°-180°	23216.9	100.0

Coefficient of Utilization



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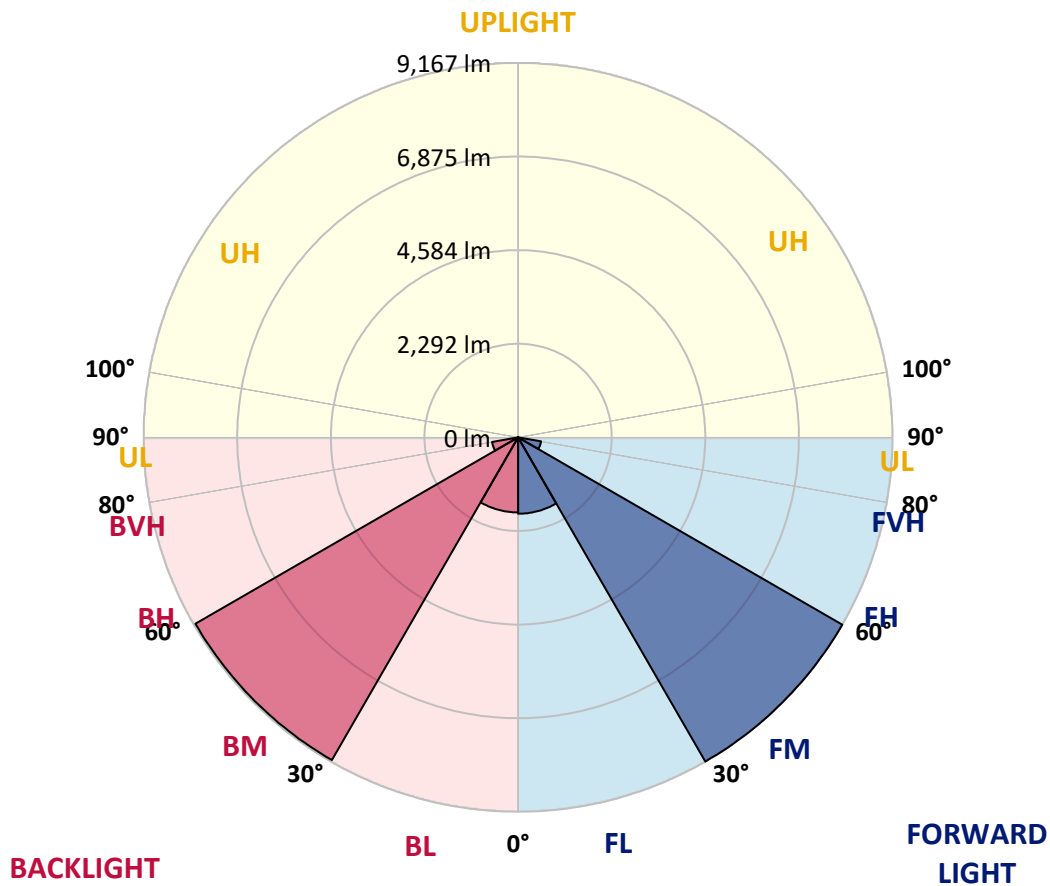
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1870.4	8.1			
FM (30°-60°)	9167.2	39.5			
FH (60°-80°)	570.9	2.5			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	1837.9	7.9	B3/2500		
BM (30°-60°)	9122.6	39.3	B5		
BH (60°-80°)	647.2	2.8	B2/1000		G0/660
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2
2.5°	3240.6	3248.3	3258.6	3268.9	3281.7	3294.5	3302.2	3325.3	3320.2	3340.8	3340.8
5°	3204.7	3212.4	3225.2	3248.3	3276.6	3304.8	3325.3	3371.6	3397.2	3438.3	3453.7
7.5°	3222.6	3232.9	3248.3	3284.3	3327.9	3371.6	3394.7	3469.1	3520.5	3597.5	3641.2
10°	3281.7	3292.0	3317.6	3379.3	3435.8	3497.4	3525.6	3620.6	3702.8	3808.1	3869.7
12.5°	3348.5	3361.3	3412.7	3505.1	3602.7	3684.8	3723.4	3828.6	3913.4	4031.5	4129.1
15°	3417.8	3438.3	3517.9	3654.0	3792.7	3903.1	3944.2	4057.2	4141.9	4267.7	4378.2
17.5°	3579.6	3602.7	3692.5	3838.9	4028.9	4157.3	4193.3	4311.4	4375.6	4460.3	4575.9
20°	3782.4	3826.1	3936.5	4113.7	4321.7	4444.9	4470.6	4586.2	4581.0	4617.0	4717.1
22.5°	4034.1	4064.9	4185.6	4396.1	4629.8	4765.9	4825.0	4873.8	4809.6	4778.7	4842.9
25°	4296.0	4331.9	4462.9	4694.0	4955.9	5112.6	5161.3	5199.9	5097.2	4981.6	4989.3
27.5°	4634.9	4660.6	4789.0	5035.5	5297.4	5474.6	5518.3	5585.0	5448.9	5264.1	5212.7
30°	5038.1	5063.8	5199.9	5459.2	5718.6	5870.1	5936.8	6019.0	5870.1	5639.0	5579.9
32.5°	5510.6	5536.3	5710.9	5977.9	6191.1	6355.4	6419.6	6506.9	6388.8	6129.4	6062.7
35°	6075.5	6090.9	6296.3	6586.5	6812.5	6971.7	7015.3	7118.0	6987.1	6727.7	6691.8
37.5°	6730.3	6748.3	6971.7	7308.1	7539.2	7716.3	7785.7	7813.9	7654.7	7364.6	7336.3
40°	7449.3	7508.4	7726.6	8088.7	8348.0	8571.4	8633.1	8538.1	8314.7	7919.2	7867.8
42.5°	8199.1	8250.5	8494.4	8887.3	9187.7	9416.3	9418.8	9213.4	8833.4	8286.4	8209.4
45°	8823.1	8843.6	9159.5	9554.9	9924.7	10086.5	10101.9	9729.5	9156.9	8499.5	8335.2
47.5°	9251.9	9285.3	9560.1	9940.1	10348.4	10494.7	10463.9	9999.2	9311.0	8638.2	8366.0
50°	9257.0	9313.5	9611.4	9978.6	10374.1	10551.2	10507.6	10076.2	9398.3	8643.3	8291.5
52.5°	8437.9	8530.4	9015.7	9547.2	10153.2	10456.2	10466.5	10176.3	9364.9	8561.2	8224.8
55°	6365.7	6465.8	7077.0	7983.4	9154.3	9999.2	10145.5	10058.2	9326.4	8597.1	8342.9
57.5°	3369.0	3292.0	3630.9	4529.7	6001.0	7495.5	7924.3	8622.8	8897.6	8640.8	8561.2
60°	734.4	783.2	1042.5	1404.6	2341.9	3525.6	3944.2	5140.8	6563.4	7195.1	7652.2
62.5°	315.8	310.7	323.5	367.2	536.7	893.6	1091.3	1782.1	2811.8	3862.0	4573.3
65°	259.4	261.9	272.2	272.2	254.2	256.8	269.6	408.3	657.4	921.9	1237.7
67.5°	195.2	197.7	215.7	220.8	208.0	184.9	182.3	154.1	161.8	202.9	210.6
70°	123.3	123.3	133.5	138.7	138.7	128.4	125.8	110.4	107.8	123.3	138.7
72.5°	66.8	66.8	71.9	74.5	71.9	69.3	69.3	66.8	64.2	74.5	95.0
75°	28.2	28.2	30.8	30.8	28.2	28.2	28.2	28.2	28.2	33.4	51.4
77.5°	5.1	7.7	10.3	7.7	5.1	5.1	5.1	7.7	7.7	10.3	15.4
80°	2.6	2.6	5.1	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6
82.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2	3302.2
2.5°	3358.7	3330.5	3340.8	3345.9	3338.2	3333.1	3304.8	3297.1	3284.3	3263.7	3258.6
5°	3471.7	3448.6	3446.0	3430.6	3394.7	3351.0	3297.1	3274.0	3248.3	3222.6	3217.5
7.5°	3661.7	3633.5	3615.5	3564.2	3482.0	3412.7	3322.8	3274.0	3240.6	3207.2	3199.5
10°	3905.7	3872.3	3820.9	3725.9	3615.5	3515.4	3410.1	3345.9	3294.5	3248.3	3245.7
12.5°	4165.0	4129.1	4036.6	3915.9	3782.4	3690.0	3556.5	3466.6	3389.5	3320.2	3312.5
15°	4437.2	4393.6	4267.7	4123.9	4000.7	3905.7	3759.3	3615.5	3497.4	3397.2	3387.0
17.5°	4645.2	4591.3	4442.4	4334.5	4234.4	4136.8	3972.4	3782.4	3625.8	3505.1	3476.8
20°	4776.2	4724.8	4583.6	4524.5	4478.3	4409.0	4213.8	4016.1	3841.5	3692.5	3666.9
22.5°	4902.0	4840.4	4717.1	4717.1	4753.1	4724.8	4514.3	4288.3	4082.9	3910.8	3872.3
25°	5043.2	4994.4	4907.1	4979.0	5068.9	5066.3	4850.6	4568.2	4331.9	4139.4	4100.8
27.5°	5248.7	5199.9	5169.1	5305.1	5418.1	5410.4	5174.2	4868.6	4619.5	4429.5	4393.6
30°	5610.7	5564.5	5531.1	5695.5	5839.3	5785.3	5526.0	5230.7	4979.0	4763.3	4737.7
32.5°	6093.5	6044.7	6001.0	6165.4	6293.8	6224.4	5977.9	5700.6	5410.4	5199.9	5148.5
35°	6727.7	6625.0	6581.4	6776.5	6830.4	6753.4	6517.2	6273.2	5965.1	5723.7	5690.3
37.5°	7382.5	7261.8	7231.0	7400.5	7487.8	7459.6	7182.2	6928.0	6594.2	6327.1	6288.6
40°	7942.3	7831.9	7778.0	8042.5	8240.2	8258.2	8009.1	7698.4	7305.5	7028.2	6958.8
42.5°	8271.0	8176.0	8163.1	8574.0	8897.6	9128.7	8830.8	8509.8	8096.4	7783.1	7726.6
45°	8345.5	8283.8	8391.7	8930.9	9434.2	9855.4	9601.1	9262.2	8815.4	8484.1	8430.2
47.5°	8337.8	8317.2	8509.8	9115.8	9752.6	10271.3	10145.5	9762.9	9331.5	8984.9	8933.5
50°	8227.3	8229.9	8550.9	9208.3	9881.0	10384.3	10258.5	9904.1	9519.0	9177.4	9136.4
52.5°	8183.7	8168.3	8473.9	9180.0	10012.0	10333.0	10050.5	9652.5	9223.7	8802.5	8740.9
55°	8337.8	8299.2	8484.1	9156.9	10027.4	10304.7	9560.1	8697.3	7819.1	7320.9	7279.8
57.5°	8568.9	8527.8	8615.1	8987.4	9223.7	8568.9	7035.9	5644.1	4740.2	4357.6	4190.7
60°	7652.2	7623.9	7557.1	7107.8	6096.0	4599.0	3132.8	1997.8	1435.4	1160.7	1160.7
62.5°	4747.9	4709.4	4347.3	3230.3	2347.0	1358.4	747.2	467.3	354.4	331.3	328.7
65°	1332.7	1325.0	1096.5	775.5	493.0	305.6	269.6	274.8	269.6	261.9	259.4
67.5°	200.3	220.8	220.8	179.7	172.0	192.6	226.0	241.4	228.5	215.7	210.6
70°	128.4	138.7	133.5	115.6	123.3	143.8	161.8	164.3	156.6	143.8	141.2
72.5°	89.9	100.1	82.2	74.5	77.0	84.7	92.4	92.4	89.9	84.7	79.6
75°	53.9	53.9	38.5	35.9	35.9	38.5	38.5	43.7	43.7	41.1	38.5
77.5°	18.0	20.5	12.8	10.3	10.3	10.3	12.8	15.4	15.4	12.8	10.3
80°	2.6	5.1	2.6	2.6	2.6	2.6	2.6	2.6	5.1	5.1	2.6
82.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
87.5°	0.0	0.0	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	0.0

(END OF REPORT)