

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: P635827

Luminaire Tested: GWS-SA3E-750-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-750-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19830.6 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 159.2
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

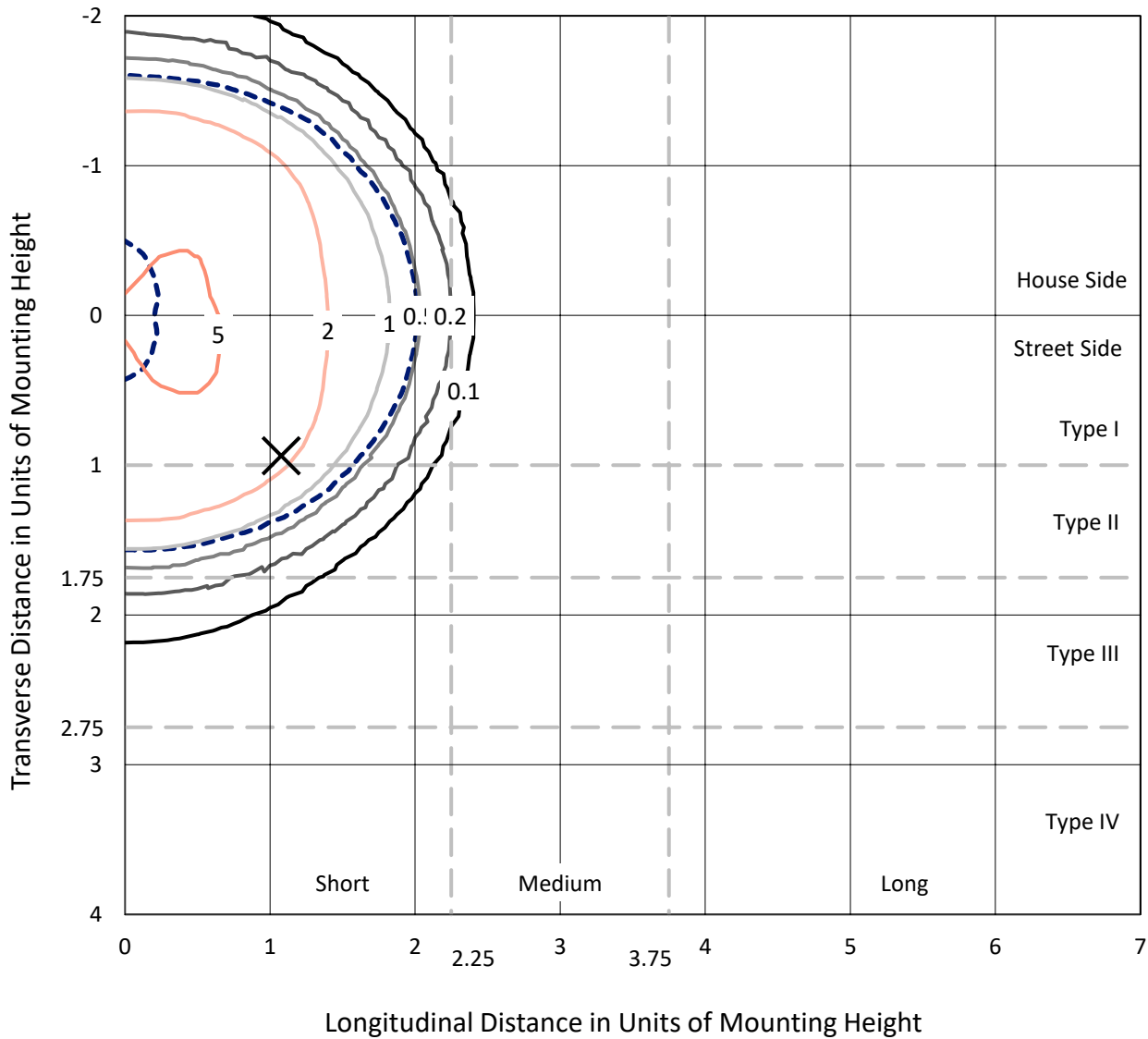


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Iso-Footcandle Lines of Horizontal Illumination

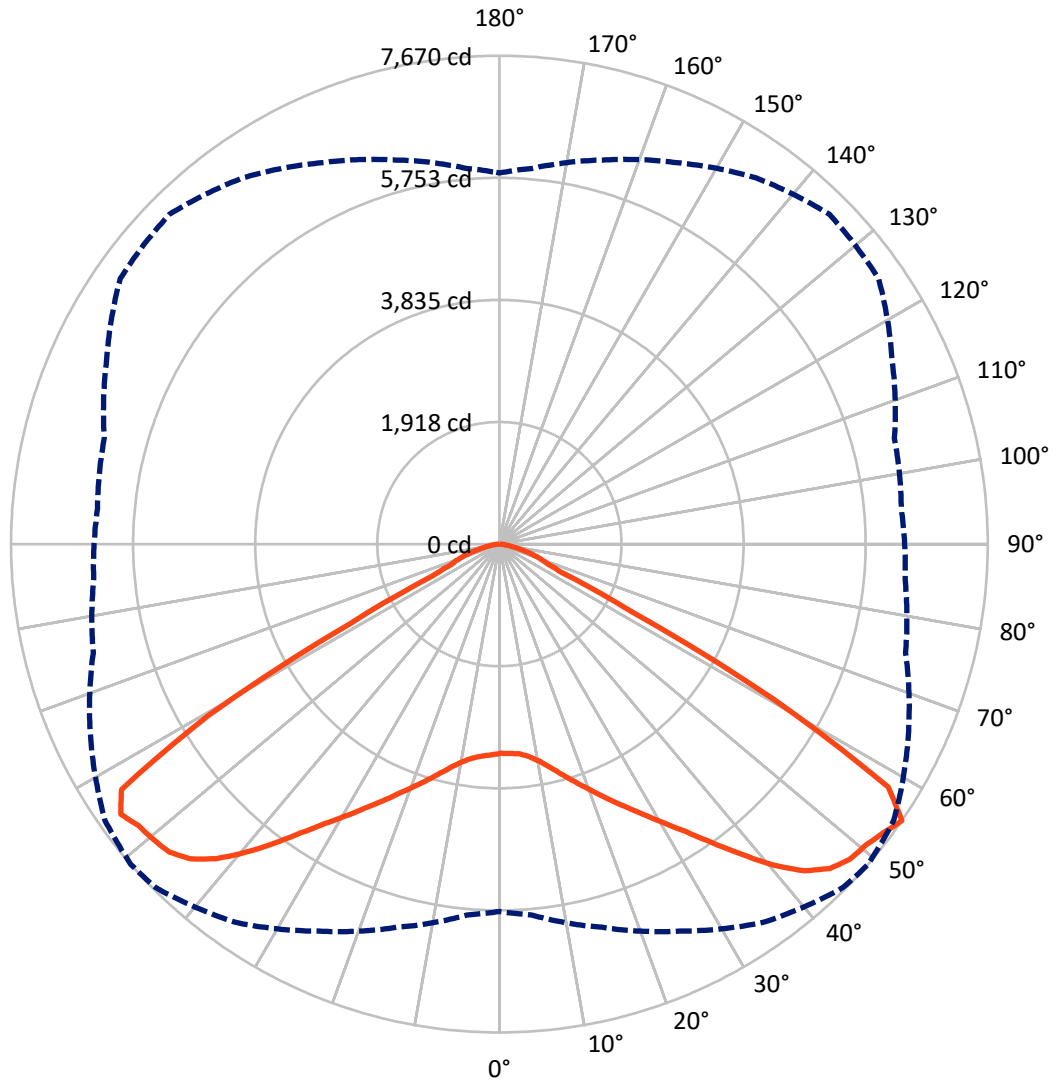
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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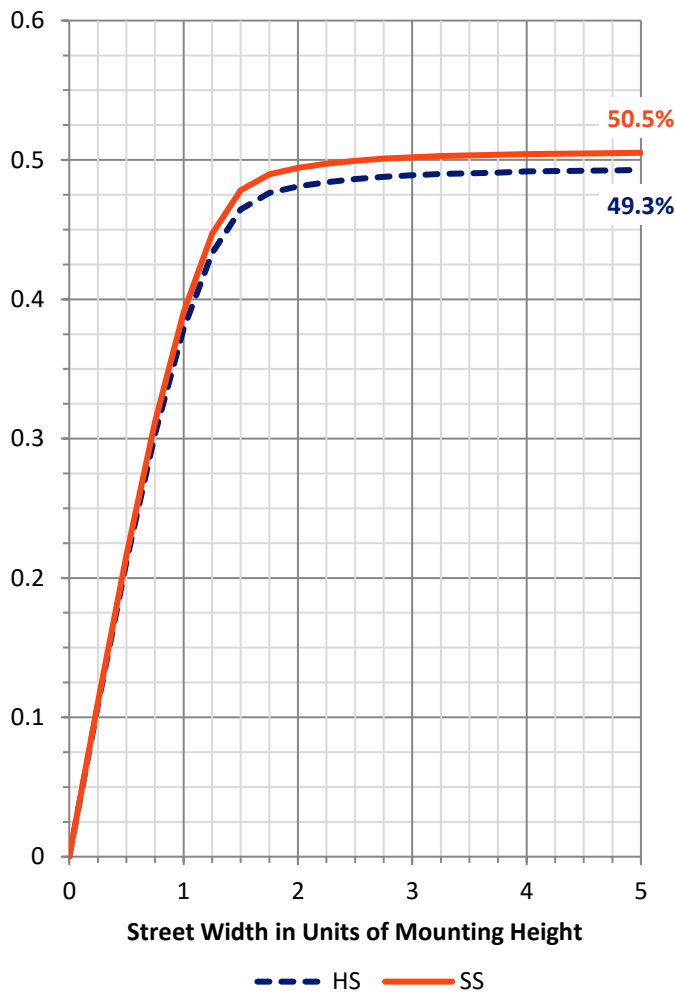
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9818.0	0.0	9818.0
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	10012.6	0.0	10012.6
	% Fixture	50.5	0.0	50.5
Total	Lumens	19830.6	0.0	19830.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.5	1.6
10°-20°	1057.0	5.3
20°-30°	2013.3	10.2
30°-40°	3413.0	17.2
40°-50°	5136.3	25.9
50°-60°	5622.2	28.4
60°-70°	1777.7	9.0
70°-80°	426.7	2.2
80°-90°	64.0	0.3
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°	19830.6	100.0
0°-180°	19830.6	100.0

Coefficient of Utilization



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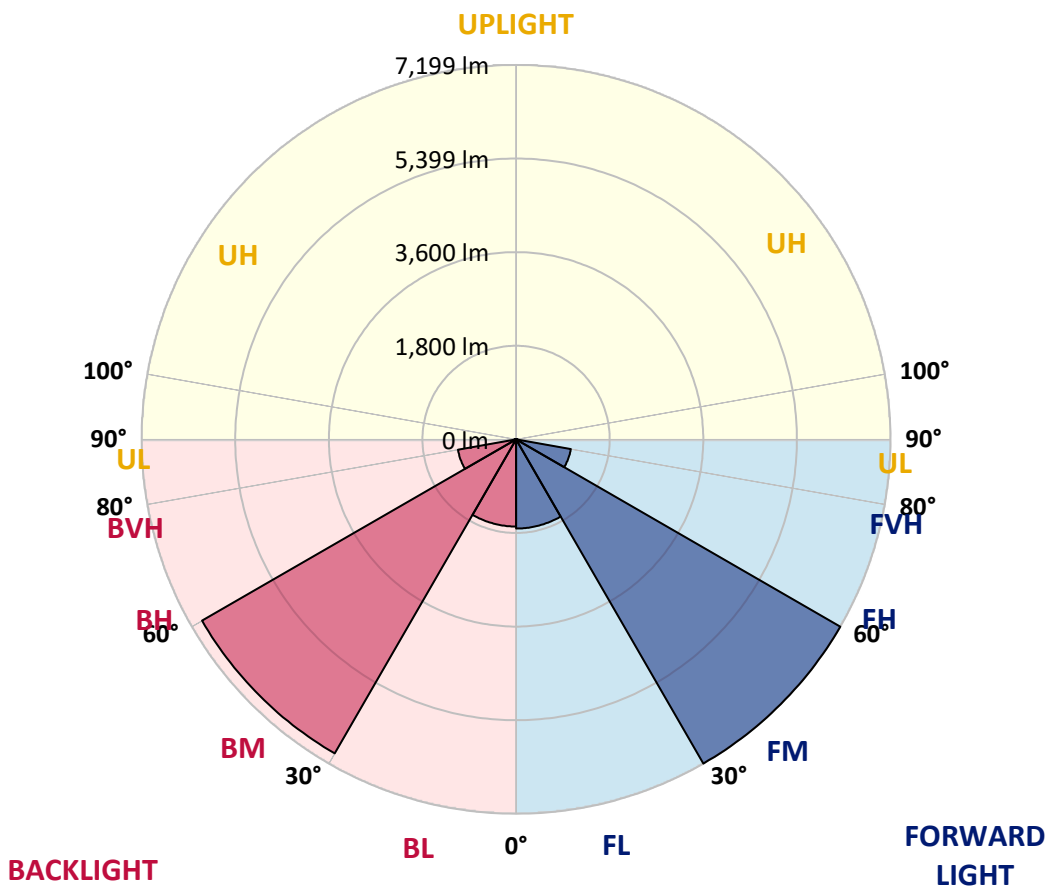
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1714.5	8.6			
FM (30°-60°)	7199.1	36.3			
FH (60°-80°)	1069.3	5.4			G1/1800
FVH (80°-90°)	29.6	0.1			G1/100
BL (0°-30°)	1676.2	8.5	B3/2500		
BM (30°-60°)	6972.3	35.2	B4/8500		
BH (60°-80°)	1135.1	5.7	B3/2500		G1/1800
BVH (80°-90°)	34.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1
2.5°	3236.7	3239.9	3246.4	3257.6	3268.9	3285.1	3291.5	3299.6	3298.0	3307.6	3307.6
5°	3220.6	3225.4	3235.1	3251.2	3270.5	3301.2	3309.2	3328.6	3348.0	3372.1	3380.2
7.5°	3239.9	3246.4	3257.6	3283.4	3312.5	3352.8	3368.9	3401.2	3438.3	3481.8	3499.5
10°	3277.0	3285.1	3304.4	3346.3	3393.1	3454.4	3468.9	3509.2	3568.9	3628.6	3664.0
12.5°	3318.9	3331.8	3367.3	3433.4	3502.8	3583.4	3606.0	3656.0	3720.5	3797.9	3846.3
15°	3367.3	3378.6	3433.4	3527.0	3635.0	3741.5	3767.3	3815.6	3888.2	3964.0	4031.7
17.5°	3468.9	3488.3	3552.8	3660.8	3786.6	3912.4	3941.4	3996.3	4054.3	4114.0	4178.5
20°	3607.6	3623.7	3706.0	3839.8	3988.2	4102.7	4131.7	4180.1	4207.5	4238.2	4293.0
22.5°	3746.3	3768.9	3862.4	4020.4	4194.6	4318.8	4341.4	4386.5	4367.2	4357.5	4393.0
25°	3918.8	3949.5	4041.4	4214.0	4391.4	4544.6	4562.3	4601.0	4568.8	4518.8	4517.2
27.5°	4133.3	4160.8	4255.9	4433.3	4609.1	4768.7	4802.6	4854.2	4783.3	4722.0	4678.4
30°	4388.1	4405.9	4510.7	4699.4	4880.0	5031.6	5075.2	5126.8	5073.5	4971.9	4928.4
32.5°	4684.9	4709.1	4830.0	5028.4	5189.7	5341.2	5384.8	5449.3	5391.2	5276.7	5221.9
35°	5041.3	5065.5	5192.9	5409.0	5573.5	5729.9	5760.5	5813.8	5741.2	5609.0	5565.4
37.5°	5428.3	5459.0	5620.2	5825.1	5997.6	6179.8	6181.5	6197.6	6094.4	5929.9	5881.5
40°	5863.8	5904.1	6065.3	6278.2	6486.3	6634.6	6633.0	6587.9	6413.7	6158.9	6084.7
42.5°	6294.3	6326.6	6489.5	6708.8	6916.8	7057.2	7015.2	6905.6	6654.0	6307.2	6208.9
45°	6605.6	6629.8	6800.7	7047.5	7258.7	7345.8	7270.0	7137.8	6797.5	6400.8	6255.6
47.5°	6752.4	6784.6	6957.2	7202.3	7441.0	7491.0	7400.7	7276.5	6881.4	6487.9	6292.7
50°	6673.3	6715.3	6910.4	7137.8	7407.1	7510.3	7445.8	7321.6	6970.1	6573.3	6358.9
52.5°	6468.5	6508.8	6755.6	7031.3	7336.1	7541.0	7539.3	7437.7	7071.7	6597.5	6362.1
55°	5768.6	5847.6	6231.5	6707.2	7249.1	7631.3	7670.0	7561.9	7087.8	6604.0	6395.9
57.5°	3754.4	3893.0	4257.5	4876.8	5963.7	6941.0	7202.3	7228.1	6971.7	6576.6	6402.4
60°	1567.5	1678.8	1967.5	2378.7	3277.0	4439.7	4946.1	5454.1	6067.0	6289.5	6342.7
62.5°	974.1	983.7	1012.8	1106.3	1406.3	1973.9	2299.7	2775.4	3686.6	4462.3	4820.3
65°	878.9	883.8	890.2	883.8	898.3	967.6	1054.7	1220.8	1591.7	1977.2	2435.2
67.5°	774.1	780.5	785.4	780.5	785.4	788.6	798.3	812.8	880.5	935.4	977.3
70°	625.7	635.4	643.5	640.2	659.6	659.6	669.3	680.6	714.4	754.7	783.8
72.5°	477.4	469.3	479.0	482.2	499.9	509.6	524.1	537.0	575.7	599.9	637.0
75°	309.6	301.6	316.1	324.2	348.3	361.2	374.1	387.0	414.5	430.6	466.1
77.5°	167.7	166.1	180.6	191.9	217.7	233.8	243.5	253.2	275.8	280.6	303.2
80°	96.8	96.8	106.4	114.5	130.6	148.4	158.0	166.1	182.2	187.1	196.7
82.5°	53.2	53.2	58.1	62.9	75.8	85.5	93.5	100.0	114.5	119.3	124.2
85°	25.8	24.2	27.4	30.6	35.5	40.3	45.2	48.4	59.7	62.9	69.3
87.5°	3.2	3.2	3.2	4.8	6.5	9.7	11.3	11.3	17.7	21.0	24.2
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°	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1
2.5°	3317.3	3296.3	3309.2	3314.1	3314.1	3309.2	3288.3	3281.8	3272.2	3257.6	3257.6
5°	3391.5	3375.4	3378.6	3370.5	3351.2	3327.0	3288.3	3268.9	3252.8	3235.1	3233.5
7.5°	3518.9	3497.9	3494.7	3464.1	3412.5	3360.9	3302.8	3267.3	3243.1	3220.6	3218.9
10°	3685.0	3665.7	3641.5	3580.2	3504.4	3428.6	3349.6	3301.2	3265.7	3233.5	3231.8
12.5°	3870.5	3847.9	3802.7	3712.4	3617.3	3543.1	3452.8	3378.6	3325.4	3281.8	3273.8
15°	4072.1	4039.8	3962.4	3856.0	3762.4	3683.4	3586.6	3480.2	3399.6	3330.2	3322.2
17.5°	4226.9	4184.9	4101.1	4001.1	3923.7	3844.7	3718.9	3585.0	3468.9	3381.8	3368.9
20°	4333.3	4299.4	4204.3	4130.1	4085.0	4015.6	3868.9	3717.3	3586.6	3477.0	3470.5
22.5°	4431.7	4391.4	4297.8	4254.3	4254.3	4207.5	4067.2	3888.2	3735.0	3607.6	3591.5
25°	4543.0	4499.4	4428.5	4423.6	4446.2	4425.2	4255.9	4064.0	3885.0	3741.5	3715.6
27.5°	4697.8	4649.4	4607.5	4636.5	4668.8	4646.2	4457.5	4234.9	4046.3	3901.1	3878.5
30°	4944.5	4884.9	4846.1	4881.6	4944.5	4878.4	4673.6	4438.1	4247.8	4088.2	4076.9
32.5°	5231.6	5163.8	5123.5	5180.0	5236.4	5133.2	4930.0	4704.2	4504.3	4336.5	4317.2
35°	5576.7	5491.2	5431.6	5507.4	5565.4	5463.8	5262.2	5047.7	4825.2	4651.0	4625.2
37.5°	5883.1	5779.9	5739.6	5846.0	5923.4	5857.3	5638.0	5436.4	5192.9	5002.6	4991.3
40°	6105.7	6004.1	5975.0	6150.8	6286.3	6270.2	6073.4	5842.8	5613.8	5394.5	5373.5
42.5°	6202.4	6131.5	6137.9	6375.0	6584.6	6687.8	6512.1	6265.3	6044.4	5817.0	5802.5
45°	6223.4	6179.8	6231.5	6528.2	6804.0	7015.2	6865.2	6658.8	6408.8	6189.5	6183.1
47.5°	6246.0	6221.8	6300.8	6615.3	6942.7	7187.8	7103.9	6891.0	6637.9	6423.4	6407.2
50°	6299.2	6289.5	6378.2	6676.6	7008.8	7234.5	7139.4	6928.1	6668.5	6457.2	6418.5
52.5°	6315.3	6299.2	6426.6	6771.7	7118.4	7232.9	7028.1	6752.4	6491.1	6255.6	6215.3
55°	6365.3	6336.3	6423.4	6807.2	7270.0	7326.5	7021.7	6608.8	6244.4	5923.4	5828.3
57.5°	6378.2	6346.0	6402.4	6749.1	7105.5	7055.5	6171.8	5333.2	4646.2	4289.8	4330.1
60°	6308.9	6318.5	6221.8	6183.1	5699.3	5031.6	3778.5	3020.6	2372.3	2098.1	2157.8
62.5°	4802.6	4842.9	4512.3	3923.7	3017.4	2391.6	1582.1	1228.9	1040.2	991.8	999.9
65°	2423.9	2478.7	2135.2	1765.9	1312.7	1061.2	917.6	888.6	878.9	867.6	867.6
67.5°	959.6	975.7	962.8	901.5	838.6	816.0	809.6	806.3	795.1	788.6	790.2
70°	770.9	783.8	764.4	725.7	699.9	698.3	695.1	688.6	680.6	680.6	685.4
72.5°	629.0	641.9	614.4	590.2	570.9	556.4	548.3	543.5	532.2	532.2	537.0
75°	462.8	470.9	448.3	445.1	424.1	409.6	396.7	390.3	375.8	369.3	374.1
77.5°	308.0	306.4	295.1	295.1	287.1	269.3	254.8	240.3	220.9	208.0	211.3
80°	200.0	200.0	195.1	195.1	187.1	172.6	154.8	140.3	129.0	119.3	119.3
82.5°	127.4	125.8	124.2	122.6	119.3	104.8	91.9	82.2	74.2	67.7	69.3
85°	71.0	71.0	67.7	67.7	61.3	53.2	46.8	40.3	35.5	33.9	33.9
87.5°	24.2	24.2	22.6	22.6	19.4	14.5	11.3	9.7	8.1	6.5	8.1
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)