

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: P635719

Luminaire Tested: GWS-SA3E-735-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-735-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12736.2 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

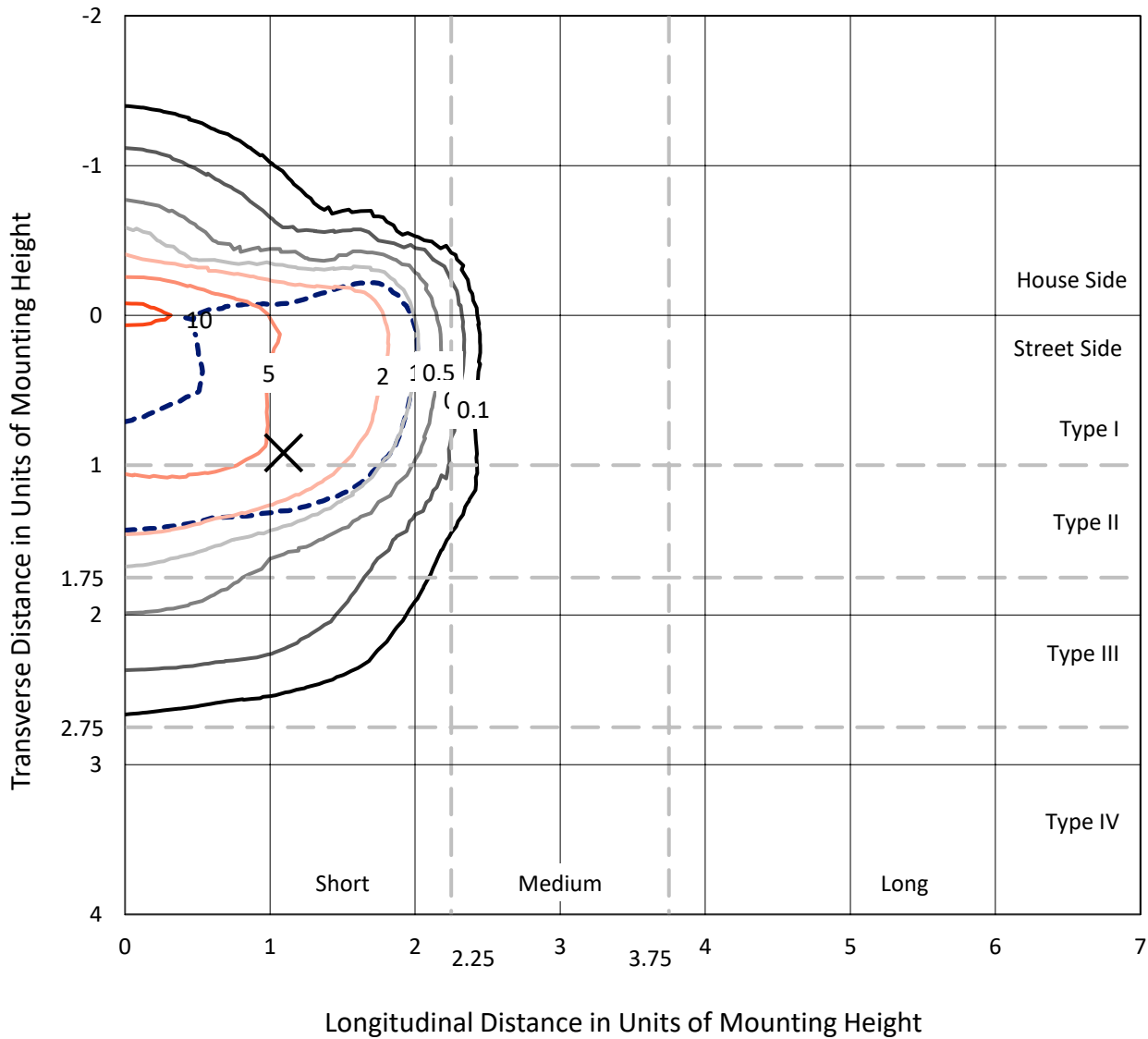
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

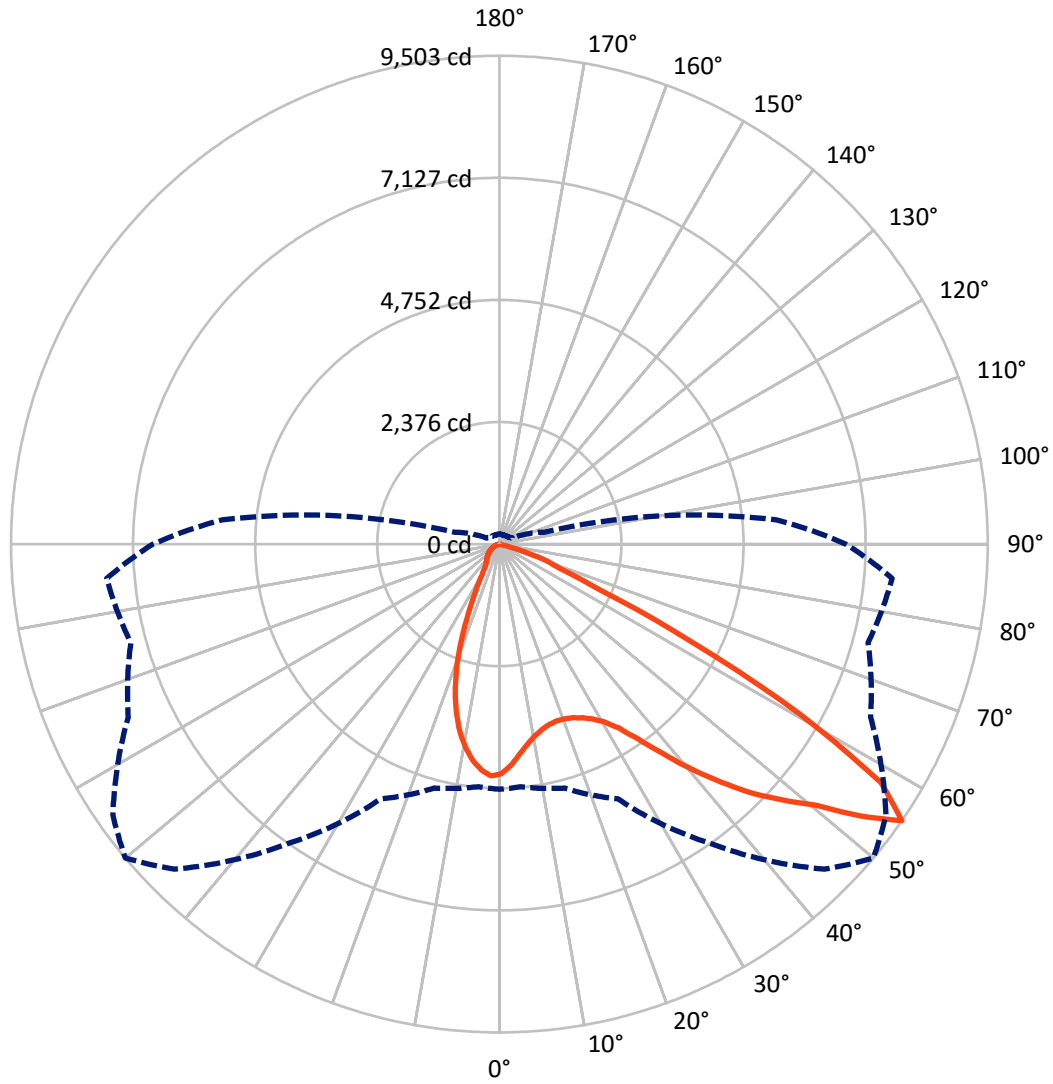
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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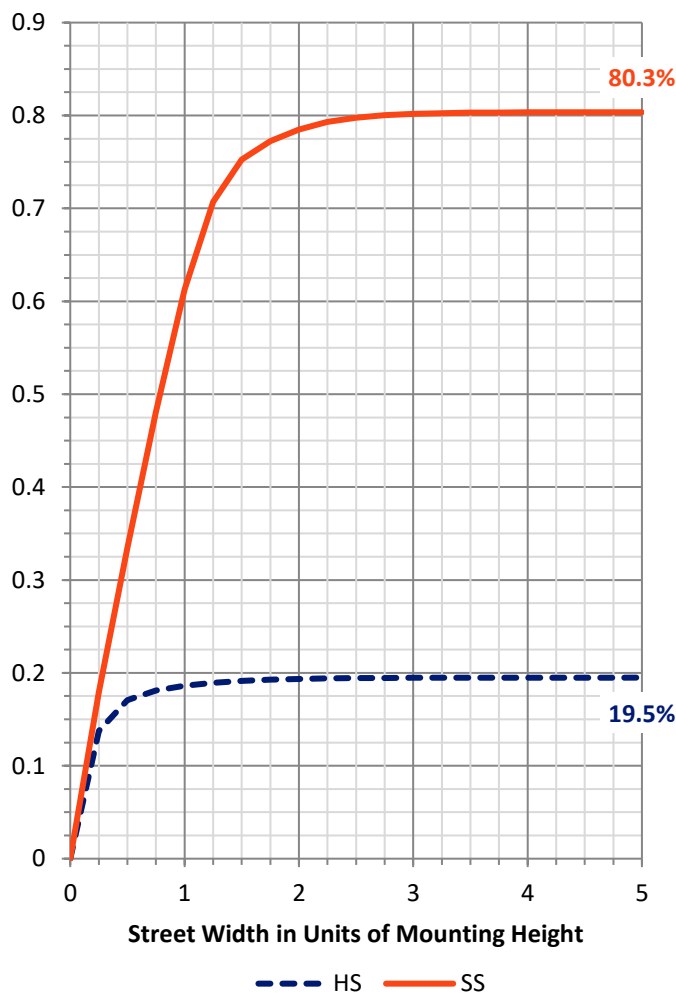
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2509.6	0.0	2509.6
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	10226.6	0.0	10226.6
	% Fixture	80.3	0.0	80.3
Total	Lumens	12736.2	0.0	12736.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.4	3.1
10°-20°	965.7	7.6
20°-30°	1362.2	10.7
30°-40°	2015.7	15.8
40°-50°	2908.1	22.8
50°-60°	3430.3	26.9
60°-70°	1530.2	12.0
70°-80°	131.6	1.0
80°-90°	0.1	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°	12736.2	100.0
0°-180°	12736.2	100.0

Coefficient of Utilization



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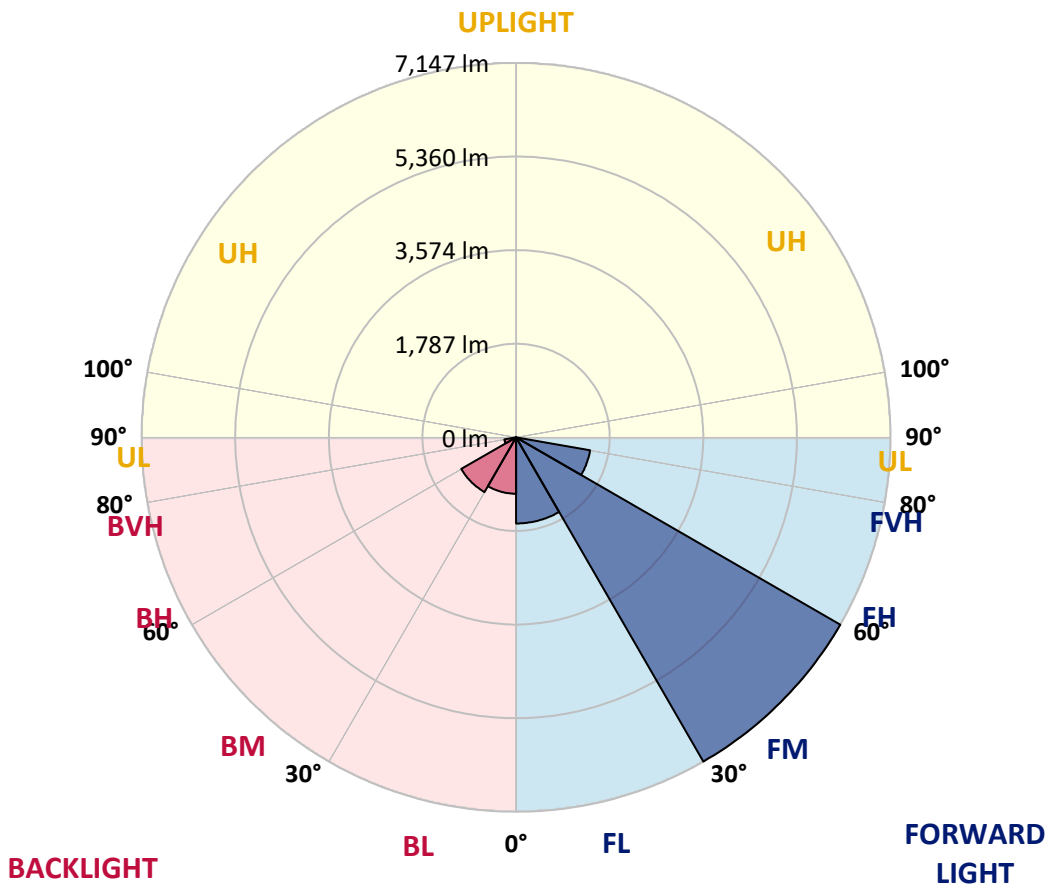
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1644.3	12.9			
FM (30°-60°)	7147.1	56.1			
FH (60°-80°)	1435.1	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1076.0	8.4	B3/2500		
BM (30°-60°)	1207.0	9.5	B2/2500		
BH (60°-80°)	226.6	1.8	B1/500		G1/500
BVH (80°-90°)	0.0	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4468.6	4468.6	4468.6	4468.6	4468.6	4468.6	4468.6	4468.6	4468.6	4468.6	4468.6
2.5°	4151.4	4154.5	4156.0	4198.0	4213.6	4275.8	4308.4	4325.5	4370.6	4423.5	4467.0
5°	3873.1	3868.4	3876.2	3929.0	3963.2	4055.0	4104.7	4138.9	4238.5	4362.8	4467.0
7.5°	3630.5	3639.8	3649.2	3706.7	3758.0	3857.5	3929.0	3980.4	4118.7	4303.8	4479.5
10°	3459.5	3459.5	3473.5	3538.8	3599.4	3722.3	3793.8	3859.1	4023.9	4250.9	4493.4
12.5°	3333.5	3335.1	3352.2	3426.8	3496.8	3624.3	3698.9	3762.7	3944.6	4198.0	4496.6
15°	3274.5	3269.8	3283.8	3363.1	3440.8	3560.5	3638.3	3700.5	3888.6	4168.5	4512.1
17.5°	3258.9	3255.8	3266.7	3344.4	3423.7	3540.3	3616.5	3678.7	3880.8	4177.8	4558.7
20°	3304.0	3297.8	3293.1	3360.0	3434.6	3549.7	3629.0	3698.9	3918.2	4229.1	4630.3
22.5°	3411.3	3411.3	3400.4	3433.1	3482.8	3587.0	3669.4	3761.1	4016.1	4331.7	4736.0
25°	3608.7	3593.2	3573.0	3587.0	3580.8	3646.1	3744.0	3871.5	4201.1	4501.2	4865.0
27.5°	3834.2	3848.2	3814.0	3815.5	3761.1	3737.8	3851.3	4044.1	4476.3	4740.7	5056.3
30°	4140.5	4129.6	4131.2	4126.5	4000.6	3890.2	4013.0	4269.5	4823.1	5106.0	5305.1
32.5°	4379.9	4395.5	4446.8	4476.3	4311.5	4134.3	4264.9	4575.9	5218.0	5522.7	5609.8
35°	4633.4	4661.4	4765.5	4861.9	4723.6	4519.9	4659.8	4981.7	5589.6	5934.8	5959.6
37.5°	4900.8	4956.8	5081.2	5250.6	5228.9	5048.5	5176.0	5459.0	5881.9	6183.5	6248.8
40°	5207.1	5261.5	5465.2	5709.3	5760.6	5720.2	5762.2	5927.0	6074.7	6194.4	6373.2
42.5°	5543.0	5617.6	5875.7	6202.2	6395.0	6430.8	6332.8	6315.7	6158.7	6070.0	6346.8
45°	5939.4	6026.5	6318.8	6741.7	7048.0	7096.2	6926.7	6707.5	6211.5	5978.3	6267.5
47.5°	6384.1	6466.5	6757.3	7265.7	7721.3	7739.9	7444.5	7091.6	6368.6	6084.0	6328.1
50°	6533.4	6584.7	6836.6	7433.6	8273.2	8416.3	7988.7	7523.8	6684.2	6395.0	6623.6
52.5°	6020.3	6040.5	6259.7	6863.0	8161.3	9080.2	8783.2	8169.1	7245.5	6869.2	7079.1
55°	4770.2	4737.6	4914.8	5468.3	7093.1	8944.9	9503.1	9182.8	7968.5	7425.8	7671.5
57.5°	3336.7	3297.8	3257.4	3632.1	5292.6	7582.9	8756.8	9324.3	8657.3	7977.8	8310.5
60°	2742.7	2705.4	2509.5	2336.9	3199.8	5445.0	6726.2	7794.3	8601.3	7949.8	8290.3
62.5°	2369.6	2347.8	2268.5	2033.7	1882.9	3108.1	4212.0	5235.1	6600.2	6242.6	6261.3
65°	1861.1	1854.9	1909.3	1934.2	1665.2	1719.6	2148.8	2720.9	3568.3	3364.6	3190.5
67.5°	1271.8	1257.9	1360.5	1673.0	1601.5	1357.4	1257.9	1268.7	1543.9	943.8	749.4
70°	808.5	775.9	777.4	1037.1	1302.9	1071.3	970.2	853.6	768.1	139.9	158.6
72.5°	517.8	497.5	427.6	468.0	603.3	522.4	527.1	454.0	303.2	74.6	87.1
75°	217.7	200.6	153.9	122.8	121.3	76.2	66.9	62.2	42.0	42.0	45.1
77.5°	1.6	0.0	0.0	1.6	3.1	1.6	1.6	3.1	6.2	9.3	10.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	4468.6	4468.6	4468.6	4468.6	4468.6	4468.6	4468.6	4468.6	4468.6	4468.6	4468.6
2.5°	4493.4	4456.1	4498.1	4513.7	4512.1	4513.7	4468.6	4437.5	4435.9	4397.0	4378.4
5°	4510.5	4481.0	4512.1	4491.9	4443.7	4383.1	4302.2	4232.2	4201.1	4156.0	4134.3
7.5°	4543.2	4512.1	4507.4	4426.6	4306.9	4179.4	4036.3	3908.8	3840.4	3758.0	3762.7
10°	4566.5	4530.8	4470.1	4305.3	4106.3	3902.6	3689.6	3499.9	3380.2	3269.8	3251.1
12.5°	4575.9	4523.0	4381.5	4132.7	3852.9	3587.0	3274.5	3003.9	2817.3	2672.7	2652.5
15°	4593.0	4507.4	4268.0	3924.4	3540.3	3164.1	2766.0	2396.0	2148.8	1982.4	1996.4
17.5°	4619.4	4490.3	4140.5	3691.2	3204.5	2672.7	2134.8	1710.3	1483.3	1386.9	1388.5
20°	4656.7	4470.1	4000.6	3434.6	2801.8	2117.7	1492.6	1172.3	1108.6	1105.5	1100.8
22.5°	4706.5	4449.9	3851.3	3153.2	2324.5	1483.3	993.5	894.0	920.5	971.8	981.1
25°	4765.5	4425.0	3684.9	2836.0	1803.6	973.3	744.8	729.2	793.0	861.4	876.9
27.5°	4857.3	4412.6	3495.2	2475.3	1265.6	698.1	609.5	618.8	676.3	733.9	747.9
30°	5012.8	4435.9	3288.5	2071.0	813.2	556.6	528.6	542.6	573.7	603.3	615.7
32.5°	5224.2	4504.3	3087.9	1629.5	579.9	483.6	477.3	485.1	497.5	514.6	519.3
35°	5471.4	4622.5	2881.1	1166.1	478.9	441.6	435.4	435.4	441.6	444.7	446.2
37.5°	5675.1	4746.9	2686.7	775.9	429.1	408.9	399.6	394.9	393.4	396.5	398.0
40°	5763.7	4798.2	2475.3	564.4	393.4	379.4	365.4	351.4	351.4	362.3	363.8
42.5°	5701.5	4740.7	2231.2	466.4	368.5	348.3	326.5	314.1	320.3	331.2	334.3
45°	5569.4	4599.2	1962.2	412.0	343.6	317.2	292.3	284.5	290.8	304.7	307.9
47.5°	5547.6	4505.9	1640.3	376.3	317.2	290.8	264.3	256.5	264.3	275.2	278.3
50°	5763.7	4586.7	1282.7	345.2	292.3	262.8	241.0	233.2	237.9	244.1	247.2
52.5°	6158.7	4886.8	1035.5	315.6	262.8	234.8	220.8	211.5	211.5	217.7	219.2
55°	6741.7	5410.8	894.0	281.4	228.6	213.0	200.6	191.2	191.2	194.4	195.9
57.5°	7413.4	6045.2	926.7	236.3	200.6	192.8	181.9	174.1	177.3	177.3	177.3
60°	7320.1	5998.5	992.0	199.0	177.3	174.1	164.8	161.7	169.5	163.3	160.1
62.5°	5392.1	4143.6	519.3	163.3	152.4	149.3	143.0	149.3	160.1	143.0	136.8
65°	2618.3	2005.7	208.3	133.7	129.1	125.9	122.8	132.2	138.4	111.9	105.7
67.5°	615.7	500.7	135.3	113.5	107.3	101.1	104.2	105.7	101.1	76.2	73.1
70°	160.1	157.0	105.7	94.8	85.5	79.3	79.3	77.7	66.9	48.2	45.1
72.5°	87.1	85.5	76.2	71.5	59.1	52.9	54.4	48.2	37.3	28.0	26.4
75°	43.5	46.6	43.5	40.4	32.7	29.5	29.5	26.4	18.7	10.9	10.9
77.5°	9.3	10.9	10.9	9.3	7.8	6.2	6.2	7.8	3.1	0.0	0.0
80°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)