

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: P636327

Luminaire Tested: GWS-SA3F-750-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-750-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24577.9 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

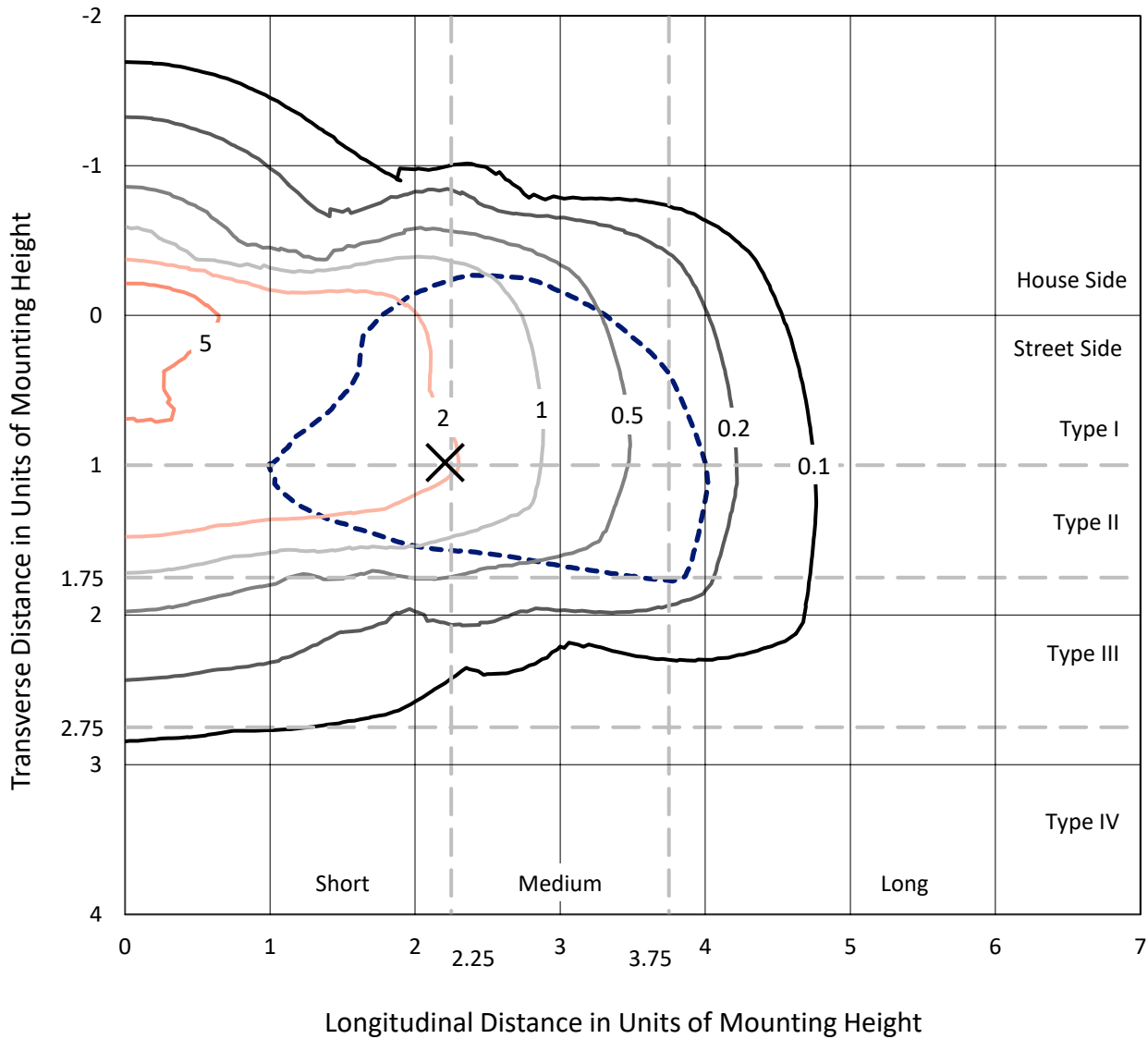
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

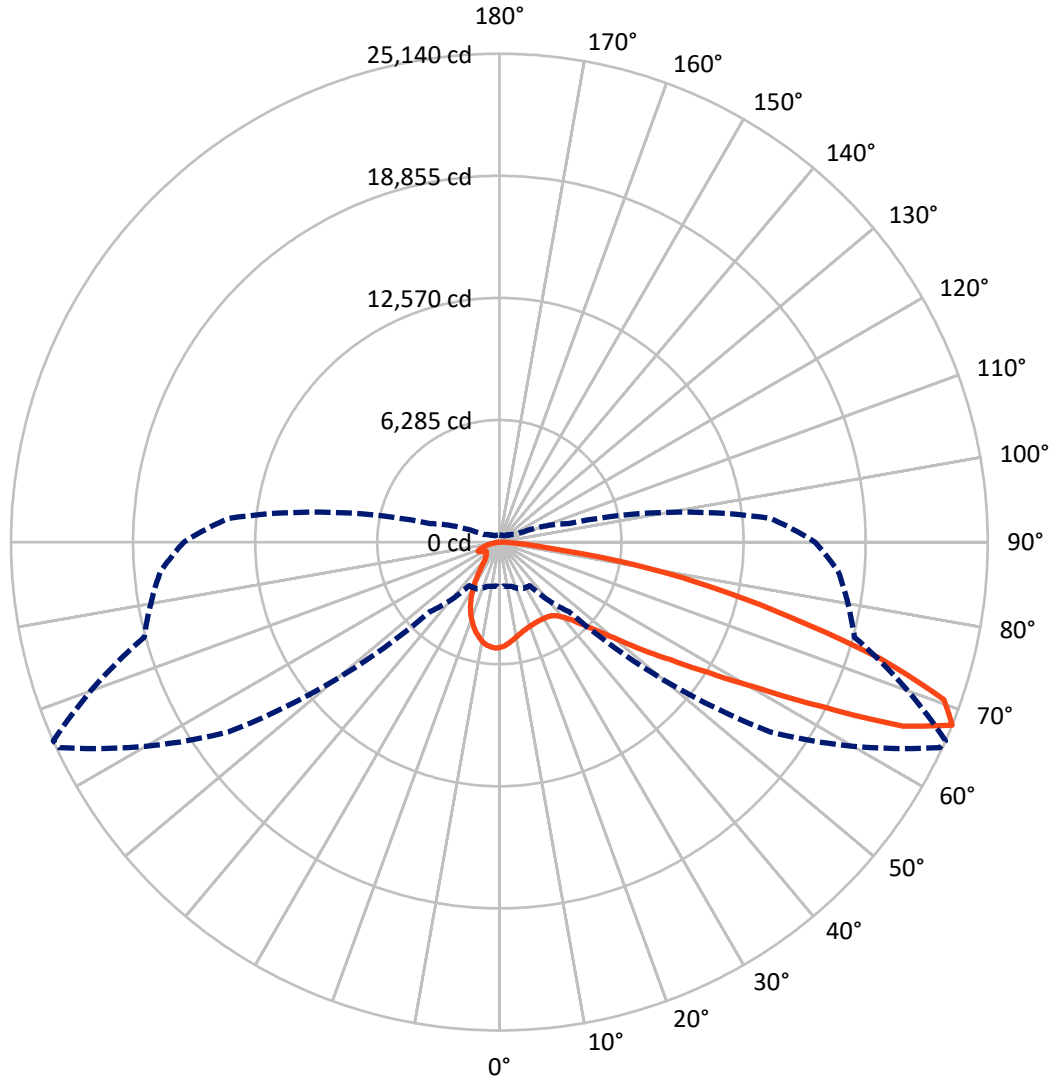
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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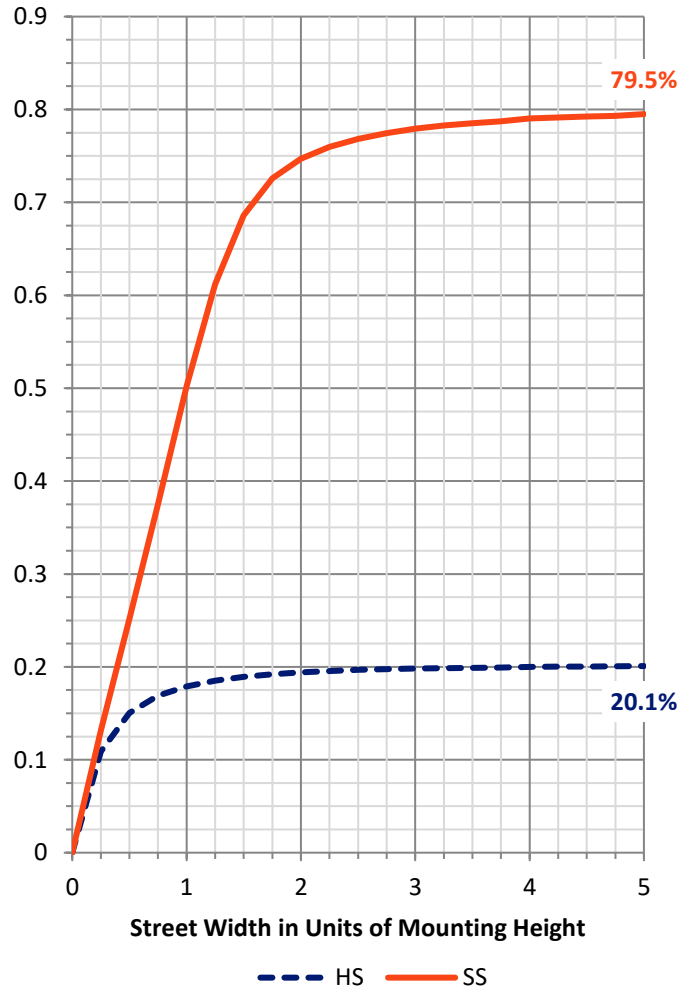
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4987.4	0.0	4987.4
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	19590.5	0.0	19590.5
	% Fixture	79.7	0.0	79.7
Total	Lumens	24577.9	0.0	24577.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	476.6	1.9
10°-20°	1171.4	4.8
20°-30°	1610.1	6.6
30°-40°	2201.3	9.0
40°-50°	3335.6	13.6
50°-60°	5185.2	21.1
60°-70°	6312.9	25.7
70°-80°	3845.5	15.6
80°-90°	439.3	1.8
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°	24577.9	100.0
0°-180°	24577.9	100.0

Coefficient of Utilization



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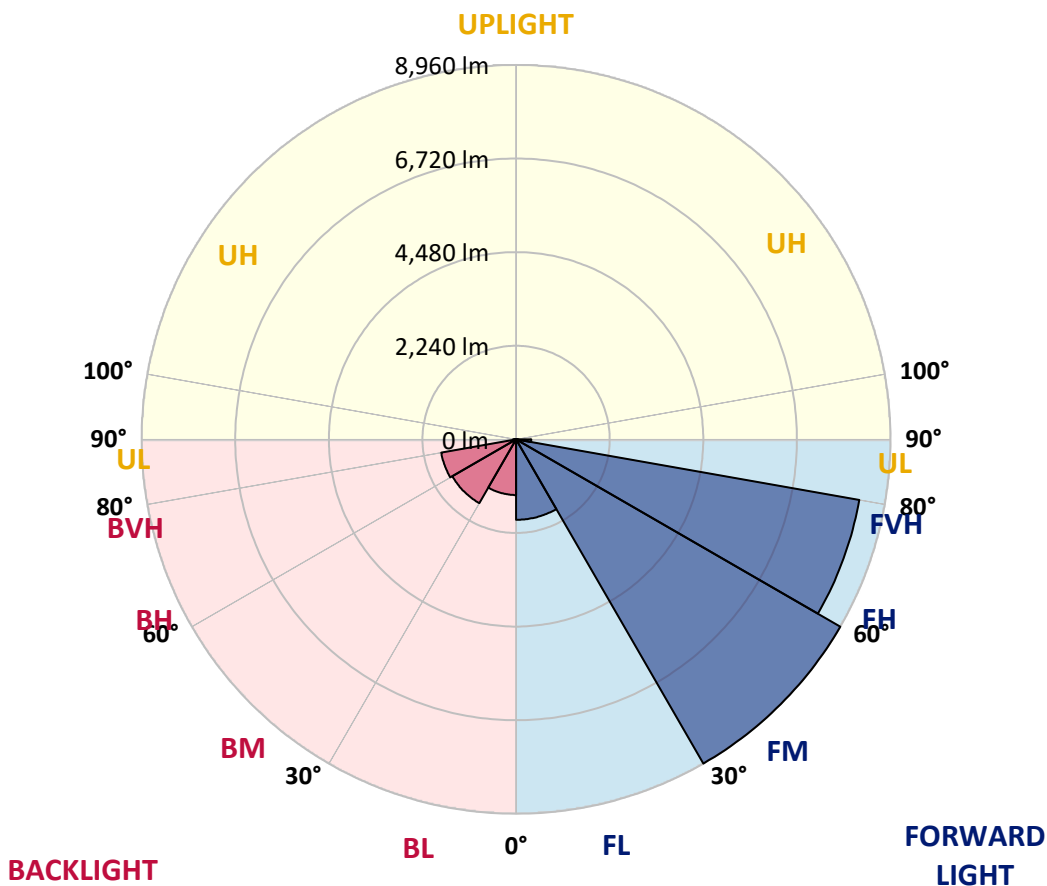
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1925.8	7.8			
FM (30°-60°)	8959.6	36.5			
FH (60°-80°)	8339.9	33.9			G4/12000
FVH (80°-90°)	365.2	1.5			G3/500
BL (0°-30°)	1332.4	5.4	B3/2500		
BM (30°-60°)	1762.5	7.2	B2/2500		
BH (60°-80°)	1818.5	7.4	B3/2500		G3/2500
BVH (80°-90°)	74.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5431.0	5431.0	5431.0	5431.0	5431.0	5431.0	5431.0	5431.0	5431.0	5431.0	5431.0
2.5°	5086.8	5104.7	5093.9	5162.1	5165.7	5251.7	5300.1	5341.4	5345.0	5398.7	5434.6
5°	4738.9	4749.7	4749.7	4814.2	4857.3	4972.0	5083.2	5201.5	5210.5	5339.6	5438.2
7.5°	4457.4	4468.2	4461.0	4547.1	4602.6	4730.0	4871.6	5052.7	5070.6	5278.6	5450.7
10°	4236.9	4233.3	4251.2	4330.1	4401.8	4554.2	4712.0	4918.2	4945.1	5208.7	5465.1
12.5°	4086.3	4089.8	4100.6	4183.1	4260.2	4410.8	4574.0	4798.1	4826.8	5128.0	5457.9
15°	4014.5	4007.4	4016.3	4091.6	4165.2	4297.8	4466.4	4697.7	4726.4	5056.3	5459.7
17.5°	3998.4	3993.0	3991.2	4045.0	4100.6	4224.3	4385.7	4620.6	4651.1	5009.7	5470.5
20°	4048.6	4041.4	4021.7	4045.0	4068.3	4172.3	4328.3	4565.0	4599.1	4979.2	5492.0
22.5°	4186.7	4174.1	4143.6	4115.0	4084.5	4147.2	4292.5	4523.8	4557.8	4959.5	5513.5
25°	4396.5	4385.7	4353.4	4288.9	4177.7	4166.9	4285.3	4505.8	4539.9	4945.1	5522.5
27.5°	4685.1	4669.0	4636.7	4543.5	4362.4	4240.5	4312.2	4504.0	4536.3	4929.0	5513.5
30°	5027.6	5016.8	4998.9	4885.9	4643.9	4396.5	4373.1	4518.4	4543.5	4920.0	5495.6
32.5°	5375.4	5364.7	5379.0	5325.2	5027.6	4654.6	4505.8	4557.8	4575.8	4918.2	5479.4
35°	5682.0	5694.6	5798.6	5807.5	5515.3	5004.3	4715.6	4649.3	4652.9	4954.1	5486.6
37.5°	6003.0	6051.4	6187.7	6304.2	6060.4	5466.9	5027.6	4821.4	4817.8	5045.5	5531.4
40°	6427.9	6449.4	6623.4	6842.1	6689.7	6101.6	5470.5	5102.9	5077.8	5232.0	5651.6
42.5°	6842.1	6894.1	7172.0	7423.0	7372.8	6817.0	6028.1	5524.3	5479.4	5561.9	5899.0
45°	7369.3	7419.5	7731.4	8054.2	8145.6	7625.7	6741.7	6123.1	6078.3	6058.6	6352.6
47.5°	7896.4	7948.4	8228.1	8694.3	9015.2	8636.9	7670.5	6913.8	6840.3	6763.2	7037.6
50°	8251.4	8312.4	8579.5	9139.0	9892.0	9899.2	8771.4	7950.2	7857.0	7735.0	8002.2
52.5°	8238.9	8278.3	8532.9	9178.4	10523.2	11349.7	10245.2	9269.8	9194.5	8929.2	9162.3
55°	7591.6	7650.8	7907.2	8714.0	10591.3	12725.0	12411.2	10826.2	10691.7	10216.6	10473.0
57.5°	6291.7	6341.9	6600.1	7595.2	9987.0	13429.6	15161.7	12809.2	12624.6	11618.7	11914.5
60°	4749.7	4688.7	4810.6	5682.0	8541.9	13447.6	17589.4	15498.8	15190.4	13117.6	13365.1
62.5°	3564.5	3503.5	3530.4	3776.1	5791.4	12361.0	18973.6	19178.0	18668.8	14810.2	14761.8
65°	2816.8	2782.7	2859.8	3028.4	3376.2	9413.3	18984.4	23156.7	22835.7	16771.8	16194.4
67.5°	2295.0	2273.5	2352.4	2664.4	2737.9	5058.1	17022.8	25014.2	25139.8	18919.8	17523.1
70°	1848.6	1816.3	1940.0	2350.6	2546.1	3060.7	12194.2	24067.5	24270.1	20200.0	17148.3
72.5°	1276.6	1278.4	1341.2	1904.2	2458.2	2642.9	6897.7	20040.4	20479.7	19039.9	15075.6
75°	860.6	867.8	885.7	1256.9	2264.6	2564.0	3675.7	15172.4	15482.6	15737.2	12461.4
77.5°	520.0	523.6	564.8	760.2	1561.7	2393.7	2490.5	10998.3	11242.2	10374.3	7724.3
80°	301.2	313.8	351.4	509.2	1054.3	1798.4	1927.5	6743.5	7019.6	4611.6	2454.6
82.5°	132.7	141.6	191.9	295.8	615.0	1529.4	1504.3	2664.4	2625.0	1285.6	851.7
85°	23.3	28.7	41.2	93.2	225.9	806.9	1167.2	1176.2	1106.3	487.7	353.2
87.5°	0.0	0.0	0.0	0.0	0.0	5.4	175.7	315.6	313.8	138.1	121.9
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°	5431.0	5431.0	5431.0	5431.0	5431.0	5431.0	5431.0	5431.0	5431.0	5431.0	5431.0
2.5°	5457.9	5409.5	5452.5	5457.9	5448.9	5441.8	5388.0	5341.4	5336.0	5285.8	5285.8
5°	5477.6	5432.8	5454.3	5413.1	5348.5	5282.2	5167.4	5088.6	5052.7	4988.1	4988.1
7.5°	5504.5	5457.9	5432.8	5330.6	5180.0	5034.8	4850.1	4695.9	4633.1	4541.7	4538.1
10°	5529.6	5470.5	5384.4	5185.4	4945.1	4713.8	4444.9	4226.1	4077.3	3967.9	3967.9
12.5°	5527.8	5450.7	5280.4	4986.4	4654.6	4319.4	3960.8	3630.8	3433.6	3263.3	3252.5
15°	5524.3	5418.5	5147.7	4755.1	4315.8	3851.4	3363.7	2933.4	2641.1	2474.3	2460.0
17.5°	5520.7	5377.2	4998.9	4491.5	3903.4	3270.4	2626.8	2160.6	1916.7	1814.5	1818.1
20°	5520.7	5330.6	4839.3	4188.5	3428.2	2574.8	1927.5	1588.6	1527.6	1533.0	1538.4
22.5°	5504.5	5273.2	4661.8	3858.6	2899.3	1893.4	1421.9	1307.1	1339.4	1389.6	1396.8
25°	5466.9	5178.2	4455.6	3492.8	2269.9	1378.8	1160.1	1138.6	1197.7	1260.5	1278.4
27.5°	5407.7	5068.8	4224.3	3064.2	1671.1	1108.1	1020.2	1018.4	1065.0	1111.7	1127.8
30°	5345.0	4946.9	3980.5	2587.3	1210.3	964.6	930.6	930.6	953.9	982.6	979.0
32.5°	5271.4	4823.2	3718.7	2090.6	986.2	884.0	873.2	867.8	871.4	882.2	882.2
35°	5208.7	4713.8	3449.7	1565.3	884.0	839.1	828.4	815.8	810.4	803.3	806.9
37.5°	5185.4	4627.8	3171.8	1179.8	833.7	806.9	788.9	771.0	758.4	754.9	753.1
40°	5223.0	4591.9	2893.9	971.8	797.9	772.8	753.1	729.8	719.0	719.0	719.0
42.5°	5370.1	4618.8	2610.6	878.6	772.8	744.1	715.4	693.9	690.3	693.9	695.7
45°	5639.0	4722.8	2316.6	832.0	751.3	715.4	681.3	665.2	665.2	668.8	668.8
47.5°	6119.5	4995.3	2026.1	803.3	729.8	692.1	656.2	640.1	638.3	641.9	641.9
50°	6951.5	5486.6	1764.3	783.5	713.6	674.2	638.3	616.8	611.4	609.6	609.6
52.5°	8000.4	6338.3	1597.6	769.2	693.9	654.4	618.6	589.9	579.1	573.8	573.8
55°	9268.1	7473.3	1597.6	758.4	668.8	631.1	589.9	561.2	545.1	537.9	537.9
57.5°	10704.3	8794.7	1873.7	749.5	649.1	604.2	559.4	530.7	512.8	502.0	502.0
60°	12165.6	10191.5	2556.8	736.9	631.1	570.2	525.4	498.5	475.1	462.6	460.8
62.5°	13680.6	11729.9	3456.9	744.1	618.6	537.9	489.5	459.0	439.3	426.7	424.9
65°	15068.4	13194.7	4244.0	799.7	620.4	509.2	448.3	421.4	405.2	389.1	387.3
67.5°	16246.4	14003.4	3691.8	912.6	658.0	475.1	407.0	380.1	365.8	355.0	353.2
70°	15421.7	12769.8	2094.2	982.6	710.0	439.3	360.4	342.5	328.1	320.9	319.2
72.5°	13187.6	10811.8	1400.3	867.8	647.3	392.7	317.4	303.0	292.3	283.3	281.5
75°	10682.7	8574.2	1070.4	711.8	503.8	319.2	272.5	261.8	251.0	242.1	240.3
77.5°	6320.3	4954.1	788.9	563.0	355.0	249.2	225.9	217.0	206.2	199.0	197.2
80°	2017.1	1721.3	500.2	387.3	234.9	191.9	173.9	166.7	156.0	147.0	145.2
82.5°	769.2	665.2	265.4	197.2	156.0	130.9	116.5	109.4	102.2	93.2	91.4
85°	340.7	319.2	147.0	105.8	84.3	64.5	57.4	53.8	44.8	37.7	35.9
87.5°	120.1	120.1	62.8	30.5	17.9	9.0	5.4	1.8	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)