

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: P641993

Luminaire Tested: GWS-SA6C-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-722-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12233.3 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

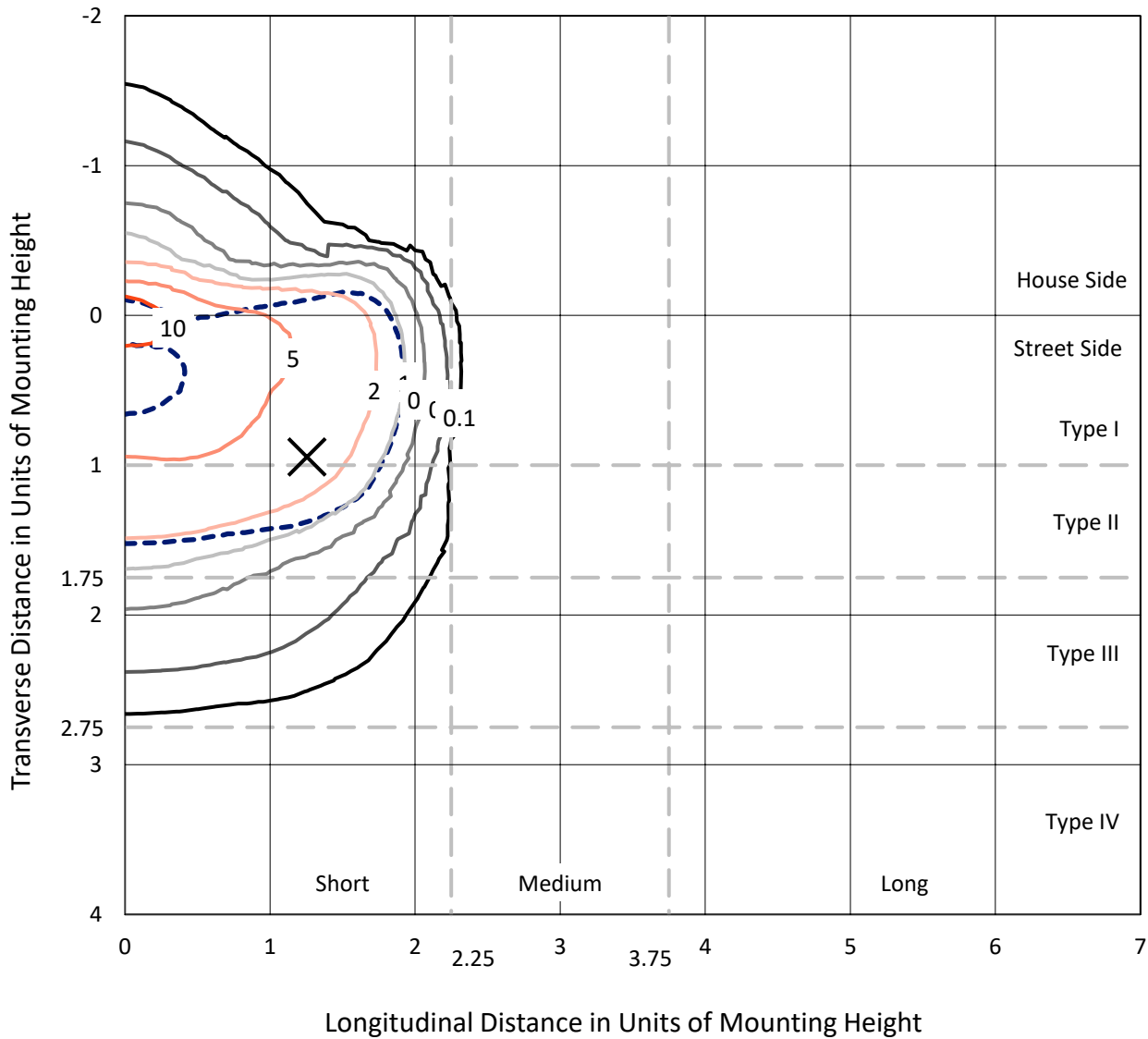
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

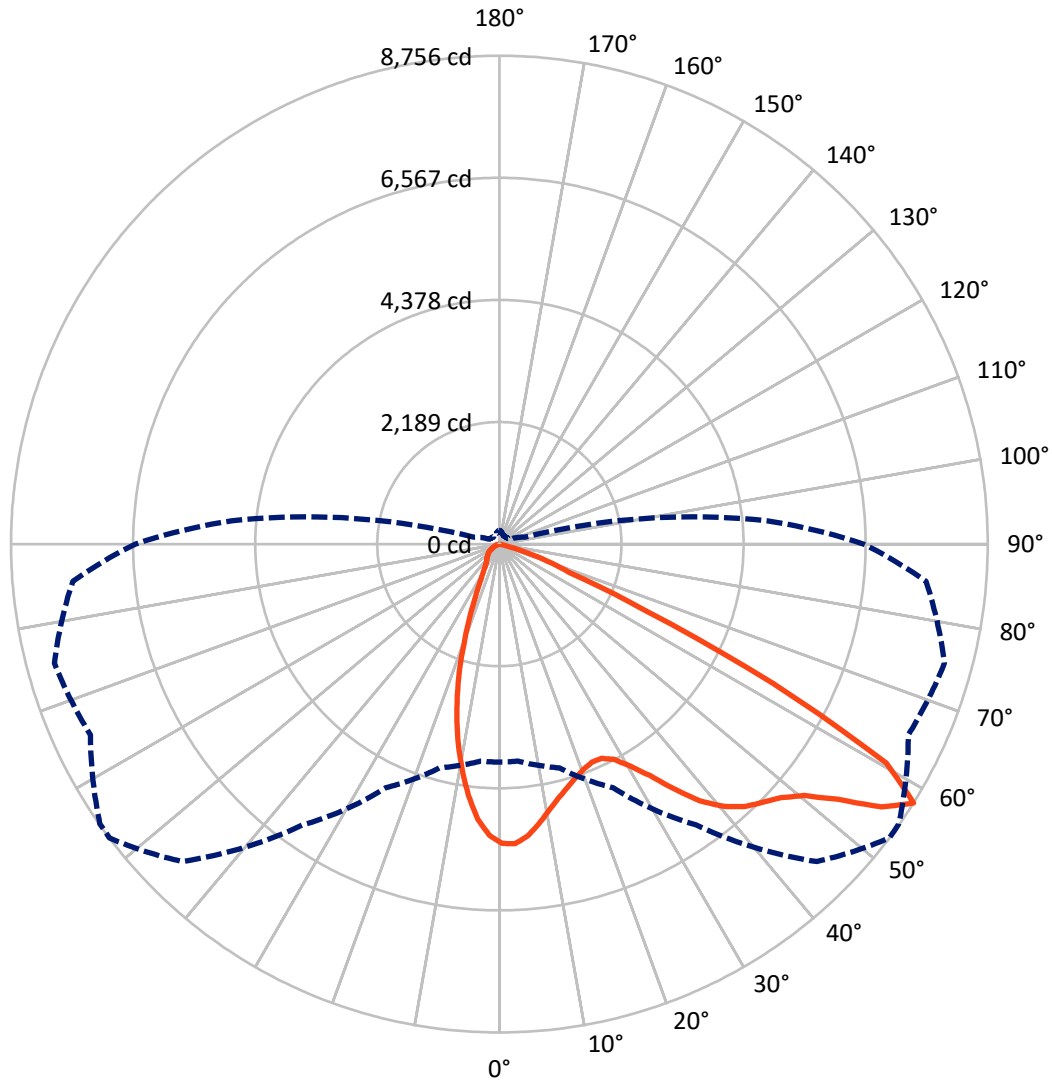
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 13.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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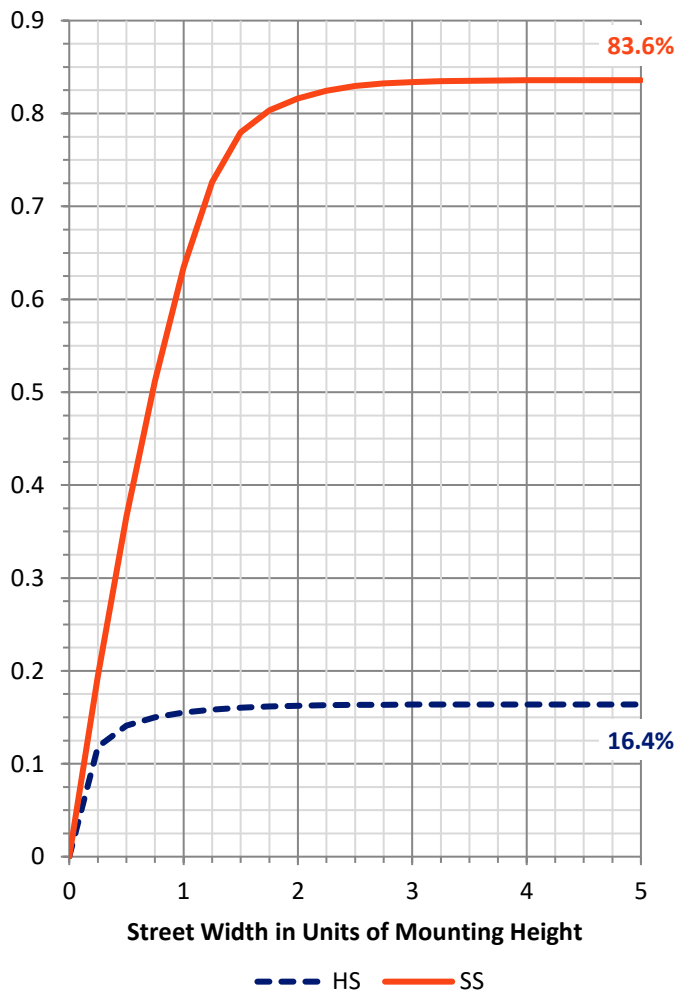
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2020.8	0.0	2020.8
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	10212.5	0.0	10212.5
	% Fixture	83.5	0.0	83.5
Total	Lumens	12233.3	0.0	12233.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.1	3.8
10°-20°	1007.9	8.2
20°-30°	1313.1	10.7
30°-40°	1904.7	15.6
40°-50°	2748.3	22.5
50°-60°	3323.8	27.2
60°-70°	1354.7	11.1
70°-80°	121.7	1.0
80°-90°	0.0	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°	12233.3	100.0
0°-180°	12233.3	100.0

Coefficient of Utilization



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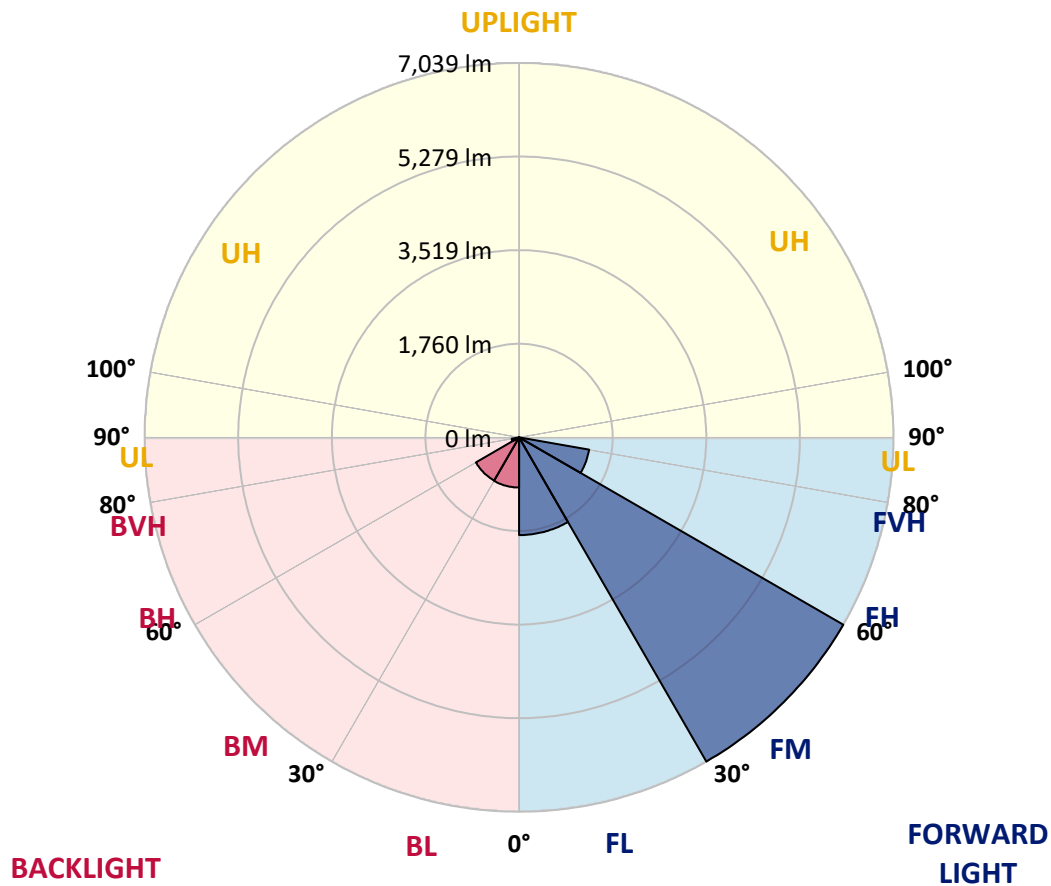
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1837.0	15.0			
FM (30°-60°)	7038.8	57.5			
FH (60°-80°)	1336.7	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	943.1	7.7	B2/1000		
BM (30°-60°)	937.9	7.7	B1/1000		
BH (60°-80°)	139.7	1.1	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: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	5366.2	5366.2	5366.2	5366.2	5366.2	5366.2	5366.2	5366.2	5366.2	5366.2	5366.2
2.5°	5291.3	5303.2	5324.2	5351.2	5369.2	5378.2	5378.2	5403.7	5387.2	5373.7	5358.7
5°	5064.9	5076.8	5105.3	5148.8	5192.3	5223.8	5259.8	5286.8	5297.3	5297.3	5271.8
7.5°	4745.5	4762.0	4780.0	4839.9	4934.4	5004.9	5066.4	5105.3	5162.3	5180.3	5144.3
10°	4402.1	4418.6	4459.1	4541.6	4649.5	4754.5	4859.4	4908.9	5006.4	5057.4	5016.9
12.5°	4111.3	4118.8	4172.7	4271.7	4409.6	4553.6	4681.0	4732.0	4869.9	4946.4	4898.4
15°	3871.4	3875.9	3929.8	4039.3	4198.2	4375.1	4535.6	4588.1	4757.5	4872.9	4801.0
17.5°	3689.9	3691.4	3737.9	3856.4	4022.8	4219.2	4409.6	4474.1	4693.0	4832.4	4724.5
20°	3598.5	3594.0	3627.0	3730.4	3887.9	4084.3	4309.2	4388.6	4657.0	4826.5	4666.0
22.5°	3600.0	3589.5	3603.0	3676.4	3809.9	3994.3	4246.2	4336.2	4660.0	4851.9	4616.5
25°	3685.4	3670.4	3673.4	3712.4	3806.9	3974.8	4255.2	4351.2	4720.0	4937.4	4598.5
27.5°	3829.4	3812.9	3812.9	3832.4	3883.4	4036.3	4367.6	4477.1	4880.4	5103.8	4636.0
30°	4015.3	3998.8	3992.8	4012.3	4054.3	4195.2	4618.0	4732.0	5154.8	5376.7	4756.0
32.5°	4228.2	4208.7	4219.2	4246.2	4286.7	4481.6	4940.4	5091.8	5498.2	5744.1	4971.9
35°	4453.1	4436.6	4484.6	4543.1	4606.0	4878.9	5385.7	5517.7	5919.5	6201.4	5301.8
37.5°	4667.5	4660.0	4760.5	4883.4	5013.9	5355.7	5838.5	5940.5	6280.8	6699.2	5705.1
40°	4881.9	4880.4	5052.9	5268.8	5477.2	5831.0	6181.9	6265.8	6501.2	7086.0	6091.9
42.5°	5121.8	5121.8	5360.2	5648.1	5925.5	6232.9	6433.8	6471.3	6600.2	7309.4	6382.8
45°	5351.2	5364.7	5640.6	5975.0	6303.3	6546.2	6607.7	6610.7	6640.7	7441.3	6624.2
47.5°	5532.7	5544.6	5874.5	6259.8	6613.7	6784.6	6793.6	6780.1	6747.1	7567.3	6810.1
50°	5679.6	5697.6	6042.4	6450.3	6826.6	7014.0	7083.0	7069.5	6985.5	7702.2	6940.6
52.5°	5751.6	5777.0	6100.9	6544.7	7063.5	7406.9	7598.8	7630.3	7342.4	7777.2	7065.0
55°	5175.8	5213.3	5511.7	6118.9	7195.4	8014.1	8315.5	8309.5	7729.2	8000.6	7367.9
57.5°	3908.8	3905.8	4153.2	4817.5	6145.9	8048.6	8756.3	8744.3	8090.6	8260.0	7678.2
60°	2661.4	2643.4	2709.4	3030.2	4297.2	6556.7	7969.1	8131.0	7834.2	7630.3	6519.2
62.5°	2190.6	2174.1	2153.1	2064.6	2468.0	4084.3	5505.7	5751.6	5712.6	5303.2	4088.8
65°	1793.2	1806.7	1865.2	1827.7	1716.8	2094.6	2857.8	3003.2	2745.3	2310.5	1428.9
67.5°	1322.4	1328.4	1404.9	1602.8	1542.8	1394.4	1344.9	1368.9	802.2	368.8	238.4
70°	781.2	785.7	856.1	1121.5	1252.0	1070.5	908.6	895.1	317.9	99.0	108.0
72.5°	442.3	433.3	446.8	533.8	682.2	568.3	467.8	425.8	96.0	55.5	55.5
75°	209.9	203.9	175.4	164.9	149.9	96.0	60.0	51.0	24.0	22.5	22.5
77.5°	1.5	4.5	3.0	4.5	4.5	3.0	1.5	1.5	4.5	4.5	6.0
80°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5366.2	5366.2	5366.2	5366.2	5366.2	5366.2	5366.2	5366.2	5366.2	5366.2	5366.2
2.5°	5331.7	5286.8	5276.3	5273.3	5231.3	5186.3	5139.8	5121.8	5094.8	5078.3	5091.8
5°	5231.3	5166.8	5109.8	5057.4	4964.4	4862.4	4774.0	4717.0	4663.0	4627.0	4636.0
7.5°	5088.8	5004.9	4874.4	4741.0	4570.1	4417.1	4246.2	4141.2	4043.8	3989.8	4015.3
10°	4937.4	4826.5	4618.0	4391.6	4123.3	3883.4	3639.0	3439.5	3324.1	3214.6	3226.6
12.5°	4789.0	4642.0	4330.2	3986.8	3648.0	3294.1	2925.3	2649.4	2460.5	2324.0	2303.0
15°	4651.0	4462.1	4049.8	3597.0	3135.2	2664.4	2193.6	1799.2	1580.3	1445.4	1436.4
17.5°	4528.1	4294.2	3758.9	3189.1	2610.4	2007.6	1466.4	1171.0	1045.1	986.6	980.6
20°	4409.6	4124.7	3462.0	2775.3	2037.6	1409.4	1012.1	875.6	835.1	811.2	814.2
22.5°	4295.7	3940.3	3150.2	2316.5	1527.9	989.6	784.2	731.7	727.2	730.2	731.7
25°	4199.7	3770.9	2829.3	1874.2	1090.0	754.2	655.2	640.2	653.7	673.2	676.2
27.5°	4150.2	3633.0	2515.9	1428.9	788.7	613.2	568.3	574.3	598.2	619.2	622.2
30°	4163.7	3529.5	2192.1	1036.1	607.2	517.3	502.3	514.3	538.3	557.8	560.8
32.5°	4259.7	3477.0	1860.7	754.2	499.3	451.3	445.3	454.3	475.3	490.3	491.8
35°	4450.1	3489.0	1545.8	577.3	428.8	401.8	400.3	406.3	416.8	427.3	428.8
37.5°	4730.5	3586.5	1235.5	479.8	388.3	368.8	362.8	362.8	370.3	374.8	377.8
40°	5031.9	3733.4	989.6	424.3	359.8	338.9	326.9	322.4	328.4	334.4	335.9
42.5°	5280.8	3880.4	803.7	385.3	337.4	308.9	293.9	290.9	298.4	308.9	311.9
45°	5471.2	3994.3	670.2	353.8	311.9	280.4	263.9	263.9	277.4	295.4	298.4
47.5°	5645.1	4085.8	571.3	325.4	287.9	254.9	238.4	241.4	263.9	287.9	292.4
50°	5763.6	4159.2	497.8	299.9	268.4	233.9	218.9	224.9	251.9	280.4	284.9
52.5°	5891.0	4249.2	449.8	277.4	250.4	217.4	203.9	208.4	238.4	269.9	275.9
55°	6243.4	4550.6	448.3	247.4	218.9	194.9	188.9	190.4	220.4	256.4	263.9
57.5°	6531.2	4816.0	478.3	208.4	182.9	170.9	167.9	169.4	196.4	236.9	245.9
60°	5403.7	3742.4	395.8	172.4	152.9	149.9	145.4	148.4	173.9	209.9	217.4
62.5°	3198.1	2139.6	188.9	131.9	130.4	127.4	122.9	128.9	152.9	184.4	188.9
65°	1093.0	634.2	119.9	108.0	111.0	106.5	102.0	108.0	128.9	146.9	148.4
67.5°	209.9	167.9	96.0	90.0	91.5	82.5	81.0	87.0	99.0	102.0	100.5
70°	109.5	97.5	73.5	73.5	70.5	58.5	58.5	64.5	64.5	60.0	58.5
72.5°	57.0	54.0	48.0	54.0	45.0	36.0	36.0	39.0	36.0	30.0	30.0
75°	22.5	22.5	21.0	27.0	19.5	16.5	15.0	18.0	13.5	10.5	10.5
77.5°	6.0	6.0	6.0	7.5	4.5	4.5	3.0	3.0	1.5	0.0	0.0
80°	0.0	1.5	0.0	1.5	0.0	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)