

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: P643493

Luminaire Tested: GWS-SA6F-722-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643493
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGF-722-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 21776.3 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

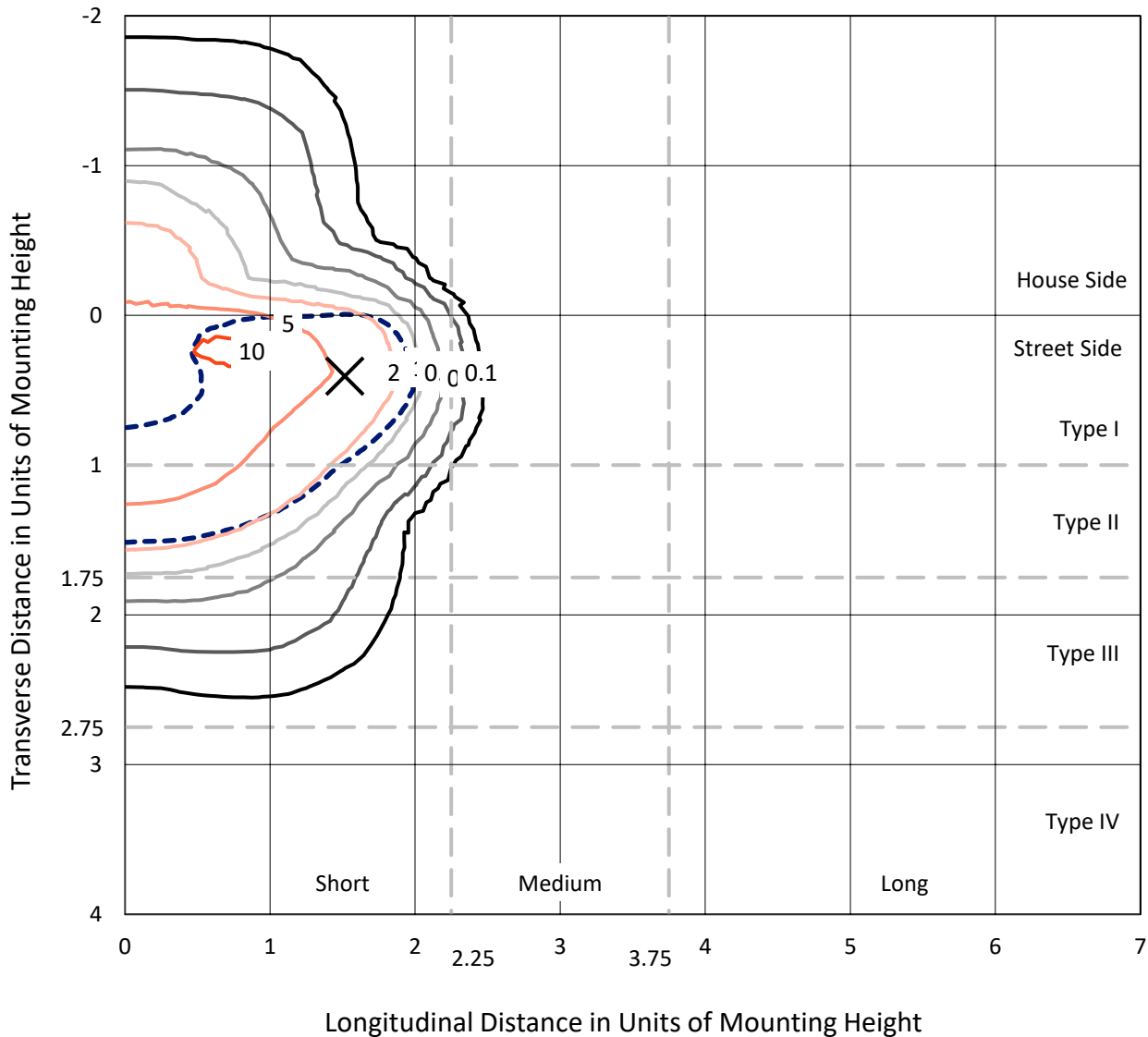
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

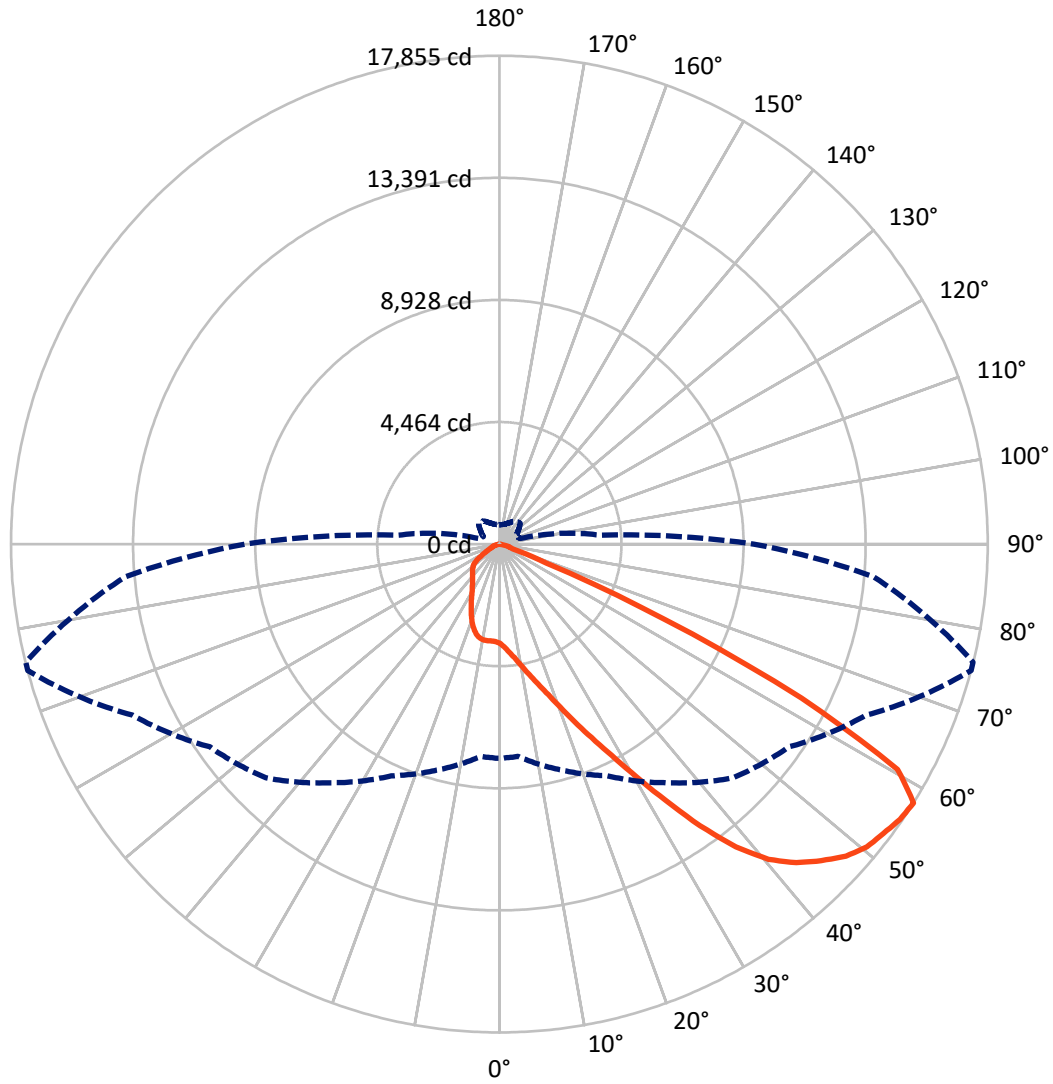
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3557.1	0.0	3557.1
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	18219.2	0.0	18219.2
	% Fixture	83.7	0.0	83.7
Total	Lumens	21776.3	0.0	21776.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.6	1.7
10°-20°	1200.6	5.5
20°-30°	2198.5	10.1
30°-40°	3647.6	16.8
40°-50°	5570.7	25.6
50°-60°	6259.6	28.7
60°-70°	2308.8	10.6
70°-80°	220.7	1.0
80°-90°	0.2	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°	21776.3	100.0
0°-180°	21776.3	100.0

Coefficient of Utilization



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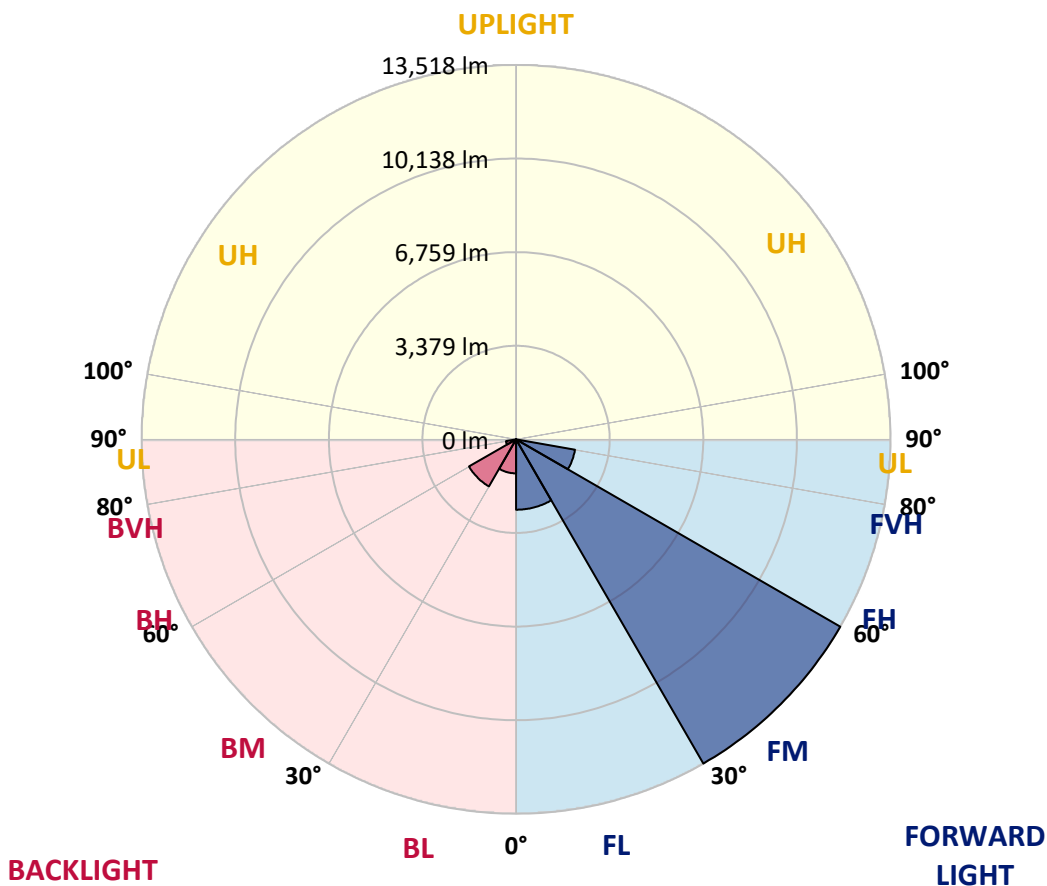
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2541.2	11.7			
FM (30°-60°)	13517.7	62.1			
FH (60°-80°)	2160.1	9.9			G2/5000
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	1227.4	5.6	B3/2500		
BM (30°-60°)	1960.2	9.0	B2/2500		
BH (60°-80°)	369.4	1.7	B1/500		G1/500
BVH (80°-90°)	0.1	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3632.0	3632.0	3632.0	3632.0	3632.0	3632.0	3632.0	3632.0	3632.0	3632.0	3632.0
2.5°	4057.7	4099.8	4086.6	4060.4	4044.6	3989.4	3955.2	3855.4	3784.4	3776.5	3710.8
5°	4570.2	4562.3	4551.8	4520.3	4494.0	4407.3	4304.8	4136.6	3986.8	3968.4	3829.1
7.5°	4851.4	4856.7	4861.9	4856.7	4838.3	4772.6	4659.6	4462.5	4233.8	4218.0	3997.3
10°	4967.0	4977.6	5003.8	5053.8	5098.4	5093.2	5027.5	4825.1	4543.9	4517.6	4220.7
12.5°	5022.2	5035.4	5077.4	5172.0	5292.9	5387.5	5398.0	5216.7	4906.6	4864.5	4486.1
15°	5098.4	5111.6	5164.1	5287.7	5463.7	5650.3	5771.2	5655.6	5308.7	5264.0	4777.8
17.5°	5132.6	5151.0	5227.2	5390.2	5618.8	5905.3	6178.6	6168.1	5784.4	5750.2	5116.8
20°	5198.3	5211.4	5279.8	5455.9	5731.8	6144.4	6604.3	6769.9	6365.2	6315.2	5526.8
22.5°	5405.9	5411.2	5442.7	5553.1	5810.6	6317.9	7038.0	7471.6	7051.1	6985.4	5986.7
25°	5744.9	5742.3	5755.5	5773.9	5963.1	6493.9	7455.8	8262.6	7836.9	7765.9	6507.1
27.5°	6175.9	6175.9	6207.5	6154.9	6231.1	6712.1	7868.4	9171.9	8751.5	8651.6	7077.4
30°	6683.2	6680.5	6754.1	6670.0	6693.7	7056.4	8312.6	10162.7	9855.2	9731.7	7734.4
32.5°	7371.7	7355.9	7440.0	7324.4	7245.6	7576.7	8853.9	11198.2	11177.2	10987.9	8559.6
35°	8241.6	8215.3	8241.6	8128.6	7986.7	8304.7	9563.5	12231.0	12643.6	12443.9	9542.5
37.5°	9106.2	9190.3	9219.2	9024.8	8909.1	9227.1	10417.6	13156.1	14044.4	13836.8	10564.8
40°	10125.9	10099.6	10199.5	9981.4	9907.8	10260.0	11253.4	13844.6	15153.4	14956.3	11474.1
42.5°	10877.6	10924.9	11048.4	10927.5	10869.7	11200.8	11955.1	14246.7	15923.4	15729.0	12123.3
45°	11779.0	11813.1	11860.5	11760.6	11700.1	12026.0	12462.3	14422.8	16509.5	16299.2	12559.5
47.5°	12754.0	12780.3	12780.3	12575.3	12380.8	12514.8	12801.3	14522.7	17048.2	16845.9	12882.8
50°	13453.1	13466.2	13581.8	13437.3	13014.2	12806.6	12956.4	14619.9	17405.7	17216.4	12987.9
52.5°	12832.8	12817.1	13198.1	13497.7	13610.7	13198.1	13224.4	14761.8	17579.1	17416.2	13072.0
55°	10806.6	10780.3	11316.4	12044.4	13040.5	13568.7	13547.7	14845.9	17771.0	17671.1	13376.8
57.5°	7834.3	7789.6	8536.0	9345.4	10651.5	12083.8	12924.8	14798.6	17855.1	17847.2	13731.6
60°	4709.5	4672.7	5377.0	6228.5	7237.7	8677.9	10073.4	13256.0	16730.3	16746.0	12809.2
62.5°	2898.8	2932.9	3568.9	4002.5	4378.4	4812.0	5618.8	8917.0	12393.9	12496.4	9001.1
65°	1950.0	1976.3	2565.0	3111.6	3111.6	2544.0	2183.9	4262.7	6612.2	6438.8	4257.5
67.5°	1308.8	1337.7	1802.9	2441.5	2533.5	1773.9	885.7	1272.0	1842.3	1787.1	1053.9
70°	770.0	801.6	1201.0	1674.1	1844.9	1235.2	591.3	538.8	523.0	507.2	410.0
72.5°	344.3	357.4	612.3	851.5	777.9	520.4	417.9	431.0	407.3	399.5	333.8
75°	105.1	110.4	157.7	184.0	186.6	186.6	252.3	339.0	320.6	323.3	257.6
77.5°	26.3	26.3	42.0	39.4	21.0	18.4	47.3	76.2	78.8	71.0	52.6
80°	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6
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°	3632.0	3632.0	3632.0	3632.0	3632.0	3632.0	3632.0	3632.0	3632.0	3632.0	3632.0
2.5°	3681.9	3613.6	3568.9	3505.8	3461.2	3413.9	3371.8	3337.6	3319.2	3314.0	3316.6
5°	3766.0	3658.3	3553.1	3432.3	3348.2	3269.3	3206.2	3156.3	3132.7	3124.8	3124.8
7.5°	3894.8	3745.0	3558.4	3369.2	3227.3	3103.7	3030.2	2975.0	2953.9	2948.7	2932.9
10°	4063.0	3858.0	3550.5	3256.2	3056.4	2927.7	2875.1	2859.3	2867.2	2869.8	2867.2
12.5°	4265.3	3976.3	3500.6	3090.6	2875.1	2796.3	2801.5	2843.6	2890.9	2914.5	2919.8
15°	4480.8	4084.0	3387.6	2893.5	2720.0	2717.4	2793.6	2890.9	2982.9	3022.3	3032.8
17.5°	4722.6	4170.7	3214.1	2683.3	2586.0	2662.2	2798.9	2948.7	3072.2	3137.9	3151.0
20°	4988.1	4241.7	2993.4	2486.1	2467.8	2604.4	2793.6	2977.6	3130.0	3203.6	3216.7
22.5°	5264.0	4291.6	2738.4	2304.8	2360.0	2538.7	2743.7	2922.4	3067.0	3151.0	3161.6
25°	5579.4	4296.9	2478.3	2152.4	2260.1	2449.4	2622.8	2770.0	2890.9	2964.5	2972.3
27.5°	5855.3	4233.8	2247.0	2028.9	2168.2	2339.0	2454.6	2536.1	2620.2	2662.2	2664.9
30°	6173.3	4123.4	2028.9	1929.0	2073.5	2202.3	2260.1	2278.5	2286.4	2294.3	2283.8
32.5°	6551.8	3989.4	1865.9	1831.8	1965.8	2052.5	2068.3	2031.5	1986.8	1923.7	1908.0
35°	7016.9	3868.5	1731.9	1737.1	1847.5	1900.1	1886.9	1808.1	1721.4	1645.2	1632.0
37.5°	7521.5	3766.0	1629.4	1645.2	1718.8	1755.5	1716.1	1629.4	1590.0	1524.3	1526.9
40°	7968.3	3681.9	1537.4	1553.2	1587.4	1621.5	1558.4	1500.6	1574.2	1569.0	1574.2
42.5°	8286.3	3611.0	1458.6	1450.7	1474.3	1498.0	1450.7	1421.8	1545.3	1511.1	1529.5
45°	8472.9	3545.3	1392.9	1345.6	1382.4	1424.4	1392.9	1356.1	1398.1	1240.4	1227.3
47.5°	8599.0	3508.5	1335.1	1243.1	1308.8	1382.4	1316.7	1227.3	1166.9	1030.2	1019.7
50°	8612.2	3490.1	1266.7	1138.0	1222.0	1300.9	1224.7	1101.2	1014.4	954.0	946.1
52.5°	8680.5	3526.9	1172.1	1003.9	1095.9	1222.0	1169.5	1046.0	927.7	875.1	864.6
55°	8985.3	3681.9	1014.4	820.0	954.0	1161.6	1124.8	933.0	820.0	788.4	780.5
57.5°	9300.7	3713.5	798.9	649.1	830.5	1074.9	1027.6	859.4	749.0	712.2	704.3
60°	8504.4	3059.1	599.2	536.1	733.2	993.4	951.4	814.7	685.9	641.2	633.4
62.5°	5587.3	1653.1	475.7	454.7	617.6	841.0	867.3	735.9	612.3	565.0	562.4
65°	2575.5	767.4	365.3	360.0	483.6	670.2	746.4	643.9	517.7	475.7	475.7
67.5°	701.7	381.1	286.5	265.4	328.5	449.4	544.0	480.9	367.9	318.0	315.4
70°	349.5	307.5	257.6	228.6	236.5	278.6	320.6	268.1	186.6	152.4	149.8
72.5°	286.5	252.3	218.1	194.5	178.7	170.8	165.6	134.0	86.7	65.7	63.1
75°	212.9	181.3	155.1	126.1	107.8	99.9	89.4	65.7	36.8	21.0	18.4
77.5°	47.3	44.7	42.0	31.5	28.9	23.7	18.4	13.1	5.3	0.0	0.0
80°	2.6	2.6	2.6	2.6	2.6	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)