

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: P642296

Luminaire Tested: GWS-SA6C-750-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-750-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25465.1 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

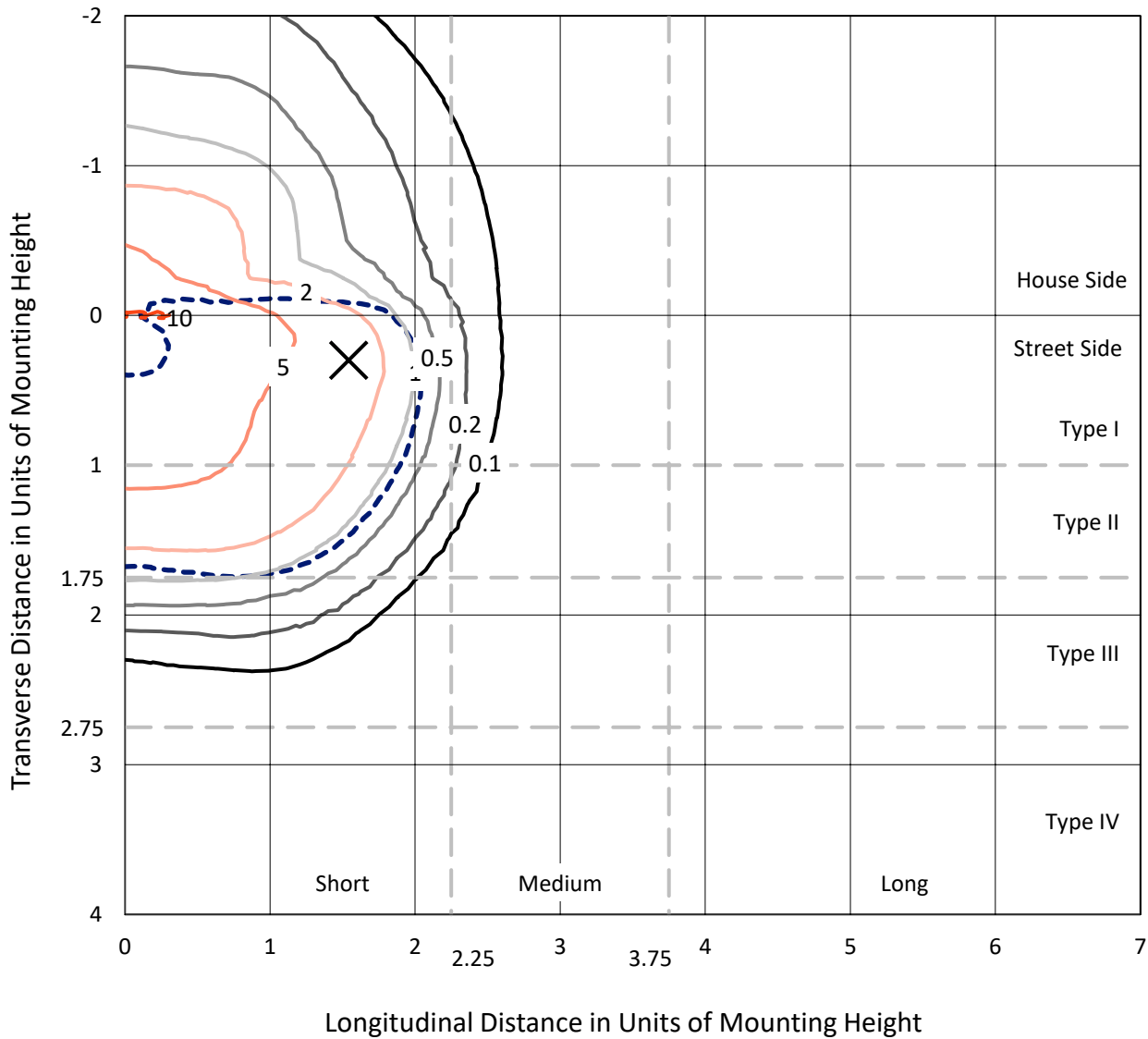
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

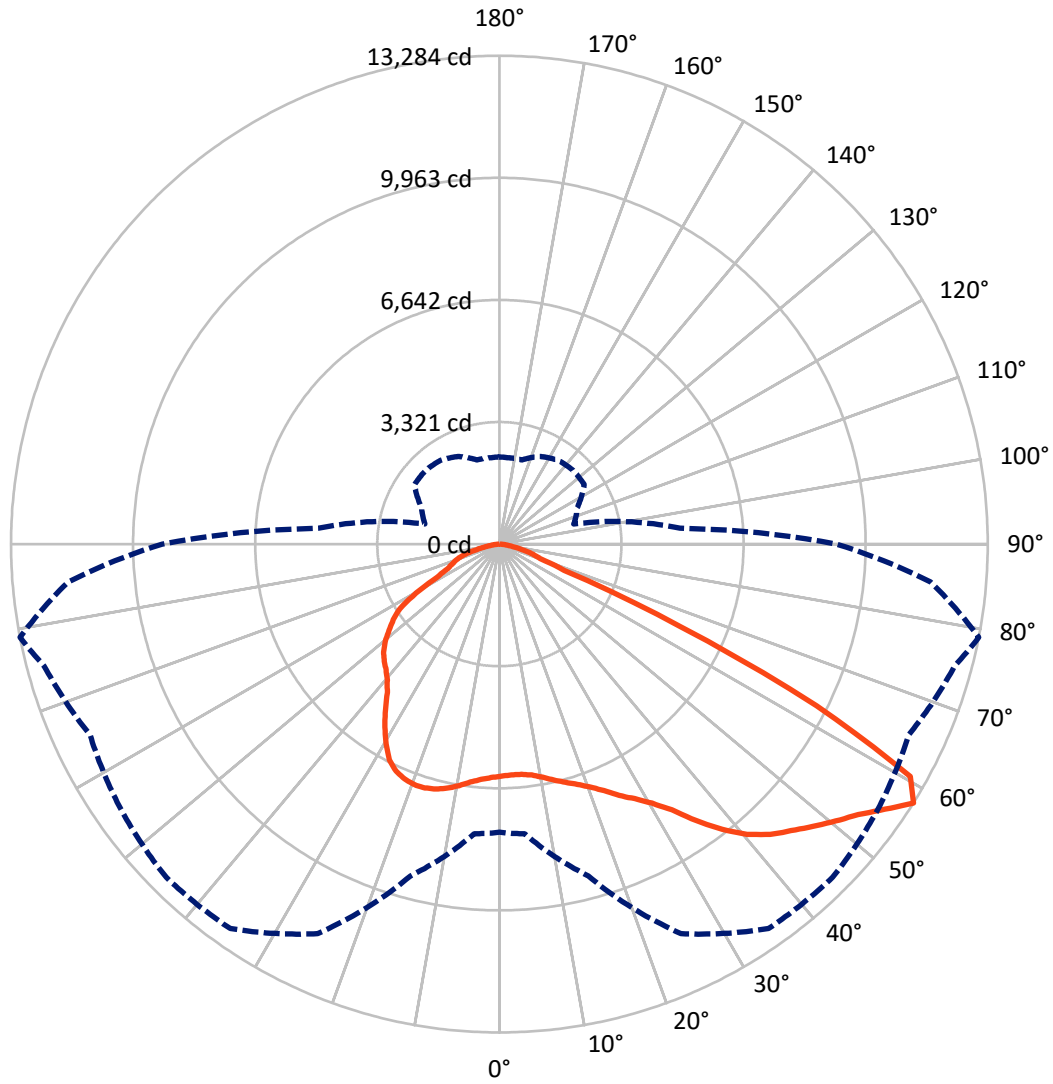
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7569.6	0.0	7569.6
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	17895.5	0.0	17895.5
	% Fixture	70.3	0.0	70.3
Total	Lumens	25465.1	0.0	25465.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	584.4	2.3
10°-20°	1624.2	6.4
20°-30°	2753.0	10.8
30°-40°	4213.8	16.5
40°-50°	5618.8	22.1
50°-60°	6489.2	25.5
60°-70°	3372.0	13.2
70°-80°	716.8	2.8
80°-90°	92.8	0.4
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°	25465.1	100.0
0°-180°	25465.1	100.0

Coefficient of Utilization



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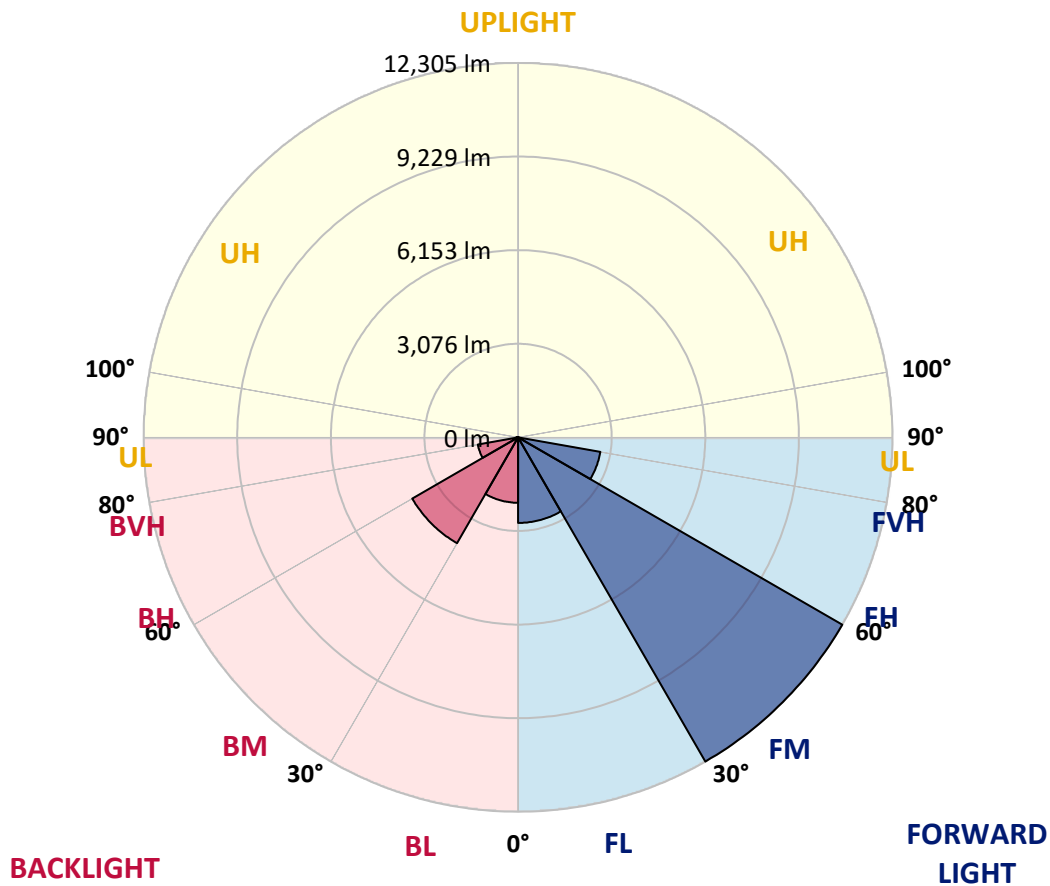
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2811.9	11.0			
FM (30°-60°)	12305.5	48.3			
FH (60°-80°)	2745.8	10.8			G2/5000
FVH (80°-90°)	32.4	0.1			G1/100
BL (0°-30°)	2149.7	8.4	B3/2500		
BM (30°-60°)	4016.4	15.8	B3/5000		
BH (60°-80°)	1343.1	5.3	B3/2500		G3/2500
BVH (80°-90°)	60.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	6310.8	6310.8	6310.8	6310.8	6310.8	6310.8	6310.8	6310.8	6310.8	6310.8	6310.8
2.5°	6023.5	6011.0	6015.2	6031.8	6094.3	6140.1	6188.0	6231.7	6273.4	6285.9	6296.3
5°	5809.1	5786.2	5792.4	5819.5	5892.3	5969.4	6054.7	6158.8	6258.8	6292.1	6335.8
7.5°	5657.1	5652.9	5663.3	5704.9	5782.0	5854.9	5965.2	6113.0	6285.9	6342.1	6419.1
10°	5455.1	5446.8	5488.4	5573.8	5700.8	5817.4	5948.6	6123.5	6365.0	6448.3	6566.9
12.5°	5294.8	5290.6	5334.3	5453.0	5615.4	5800.7	5981.9	6177.6	6471.2	6585.7	6731.4
15°	5388.5	5369.7	5371.8	5455.1	5600.8	5819.5	6065.2	6275.4	6577.3	6723.1	6910.5
17.5°	5661.2	5627.9	5602.9	5617.5	5700.8	5927.7	6192.2	6406.6	6700.2	6870.9	7100.0
20°	6038.1	6019.3	5950.6	5904.8	5923.6	6123.5	6392.0	6591.9	6860.5	7052.1	7297.8
22.5°	6544.0	6498.2	6404.5	6331.7	6275.4	6431.6	6679.4	6852.2	7083.3	7283.2	7539.3
25°	7170.7	7104.1	6956.3	6841.8	6721.0	6881.3	7102.0	7233.2	7389.4	7574.7	7818.3
27.5°	7810.0	7753.7	7589.2	7435.2	7285.3	7385.2	7647.5	7722.5	7705.8	7841.2	8049.4
30°	8490.8	8420.0	8263.8	8097.3	7903.6	7968.2	8203.5	8240.9	8064.0	8176.4	8318.0
32.5°	9209.1	9140.4	9005.1	8811.4	8592.8	8617.8	8682.4	8717.7	8549.1	8613.6	8721.9
35°	9939.9	9875.4	9738.0	9546.4	9386.1	9234.1	9071.7	9213.3	9115.4	9240.4	9232.0
37.5°	10608.3	10543.7	10458.4	10310.6	10035.7	9735.9	9361.1	9536.0	9688.0	9846.2	9819.2
40°	11060.1	11016.4	11037.2	11014.3	10660.3	10066.9	9502.7	9694.3	10108.6	10379.3	10364.7
42.5°	11449.5	11405.7	11526.5	11613.9	11197.5	10373.0	9571.4	9754.6	10377.2	10799.8	10779.0
45°	11622.3	11609.8	11809.7	12086.6	11688.9	10697.8	9748.4	9879.6	10581.2	11122.6	11043.5
47.5°	11416.1	11459.9	11853.4	12321.9	12097.0	11083.0	10110.7	10144.0	10847.7	11472.4	11249.6
50°	11006.0	11101.7	11632.7	12328.1	12394.7	11518.2	10612.5	10529.2	11205.9	11845.1	11357.8
52.5°	10408.4	10508.4	11374.5	12280.2	12565.5	12022.0	11280.8	11162.1	11657.7	12217.8	11376.6
55°	9036.3	9171.6	10783.2	12171.9	12732.0	12480.1	12034.5	11793.0	12240.7	12730.0	11561.9
57.5°	7839.1	7909.9	9342.4	11691.0	12765.3	12817.4	12571.7	12284.4	12819.5	13283.8	11770.1
60°	5752.8	5769.5	7058.3	9673.4	11743.0	12621.7	12528.0	12101.2	12544.6	12840.3	10816.5
62.5°	3250.2	3252.2	4280.8	6456.6	8771.9	10287.6	10345.9	9969.1	9596.4	9683.8	7528.9
65°	1220.1	1334.6	1955.1	3173.1	5057.4	6073.5	6315.0	6402.5	5782.0	5396.8	4037.2
67.5°	816.2	843.2	1141.0	1632.4	2250.7	2598.5	2906.6	2914.9	2132.1	1901.0	1590.7
70°	622.5	649.6	897.4	1168.1	1141.0	1053.5	1138.9	1107.7	1145.2	1176.4	1209.7
72.5°	464.3	491.4	695.4	824.5	685.0	674.6	764.1	849.5	928.6	961.9	1014.0
75°	308.2	329.0	468.5	441.4	378.9	447.7	558.0	643.4	689.2	728.7	768.3
77.5°	195.7	210.3	249.9	202.0	210.3	262.3	324.8	401.8	445.6	485.1	505.9
80°	89.5	87.4	85.4	95.8	118.7	154.1	195.7	241.5	274.8	291.5	304.0
82.5°	35.4	39.6	43.7	52.1	64.5	83.3	110.4	141.6	168.6	172.8	183.2
85°	14.6	16.7	18.7	22.9	29.1	37.5	45.8	64.5	81.2	87.4	93.7
87.5°	0.0	0.0	0.0	0.0	2.1	4.2	6.2	10.4	18.7	20.8	22.9
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°	6310.8	6310.8	6310.8	6310.8	6310.8	6310.8	6310.8	6310.8	6310.8	6310.8	6310.8
2.5°	6352.5	6325.4	6371.2	6402.5	6431.6	6400.4	6390.0	6362.9	6358.7	6358.7	6373.3
5°	6410.8	6392.0	6439.9	6458.7	6456.6	6387.9	6346.2	6292.1	6265.0	6265.0	6269.2
7.5°	6514.9	6504.5	6531.5	6502.4	6435.8	6296.3	6158.8	6044.3	5967.3	5927.7	5940.2
10°	6687.7	6675.2	6652.3	6544.0	6352.5	6063.1	5782.0	5573.8	5448.9	5378.1	5382.2
12.5°	6856.4	6835.5	6754.3	6514.9	6121.4	5661.2	5292.7	5059.5	4922.1	4838.8	4820.1
15°	7041.7	6987.5	6812.6	6365.0	5744.5	5169.9	4784.7	4532.7	4384.9	4334.9	4332.8
17.5°	7218.6	7122.9	6806.4	6098.5	5292.7	4655.6	4268.3	4112.1	4087.2	4110.1	4116.3
20°	7397.7	7243.6	6737.7	5729.9	4755.5	4143.4	3943.5	4008.0	4101.7	4164.2	4178.8
22.5°	7583.0	7343.6	6581.5	5255.2	4189.2	3797.7	3881.0	4022.6	4139.2	4222.5	4230.8
25°	7791.2	7437.3	6348.3	4674.3	3735.3	3702.0	3866.5	4016.4	4141.3	4237.1	4253.7
27.5°	7909.9	7439.3	6021.4	4076.7	3527.1	3664.5	3831.1	3972.6	4097.6	4201.7	4220.4
30°	8026.5	7383.1	5503.0	3591.6	3466.7	3620.8	3770.7	3901.9	4020.5	4122.6	4145.5
32.5°	8191.0	7331.1	4905.4	3312.6	3431.3	3579.1	3702.0	3818.6	3910.2	3956.0	3968.5
35°	8395.0	7264.4	4270.4	3191.9	3408.4	3545.8	3654.1	3716.5	3597.9	3572.9	3599.9
37.5°	8680.3	7202.0	3637.4	3139.8	3393.8	3533.3	3629.1	3468.8	3323.0	3264.7	3285.6
40°	8988.4	7166.6	3208.5	3098.2	3400.1	3545.8	3525.0	3287.6	3077.3	2954.5	2950.3
42.5°	9250.8	7112.4	2933.7	3071.1	3416.7	3593.7	3383.4	3127.3	2815.0	2742.1	2744.2
45°	9427.7	6975.0	2787.9	3041.9	3431.3	3604.1	3316.8	2906.6	2683.8	2638.0	2635.9
47.5°	9500.6	6725.2	2694.2	2996.1	3429.2	3518.7	3181.4	2815.0	2592.2	2579.7	2588.0
50°	9452.7	6315.0	2598.5	2906.6	3379.2	3429.2	3025.3	2733.8	2529.7	2598.5	2648.4
52.5°	9275.7	5784.1	2483.9	2783.8	3289.7	3327.2	2946.2	2683.8	2483.9	2575.6	2615.1
55°	9229.9	5353.1	2338.2	2623.4	3156.5	3146.1	2862.9	2658.8	2452.7	2417.3	2423.6
57.5°	9169.6	4932.5	2096.7	2336.1	2819.2	2835.8	2783.8	2629.7	2371.5	2361.1	2371.5
60°	7966.1	3781.1	1869.7	2015.5	2315.3	2404.8	2694.2	2575.6	2240.3	2196.6	2194.5
62.5°	5203.2	2290.3	1663.6	1757.3	1886.4	1990.5	2456.9	2419.4	2096.7	2069.6	2088.3
65°	2798.3	1632.4	1513.7	1569.9	1640.7	1719.8	2036.3	2155.0	1894.7	1798.9	1801.0
67.5°	1430.4	1388.8	1401.3	1440.8	1494.9	1534.5	1642.8	1746.9	1615.7	1534.5	1532.4
70°	1224.3	1257.6	1276.3	1299.2	1334.6	1328.4	1338.8	1357.5	1347.1	1307.6	1305.5
72.5°	1043.1	1095.2	1099.3	1103.5	1116.0	1086.9	1068.1	1036.9	1039.0	1045.2	1047.3
75°	793.3	843.2	855.7	849.5	862.0	824.5	799.5	768.3	730.8	724.6	728.7
77.5°	516.4	555.9	574.7	570.5	576.7	547.6	535.1	501.8	458.1	441.4	441.4
80°	312.3	335.2	349.8	354.0	360.2	339.4	318.6	289.4	270.7	251.9	251.9
82.5°	189.5	204.0	214.5	214.5	220.7	197.8	181.1	160.3	152.0	135.3	135.3
85°	95.8	106.2	110.4	108.3	104.1	85.4	79.1	68.7	64.5	56.2	56.2
87.5°	22.9	29.1	29.1	20.8	20.8	10.4	6.2	2.1	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)