

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: P642760

Luminaire Tested: GWS-SA6D-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642760
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-750-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR 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: 31209 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

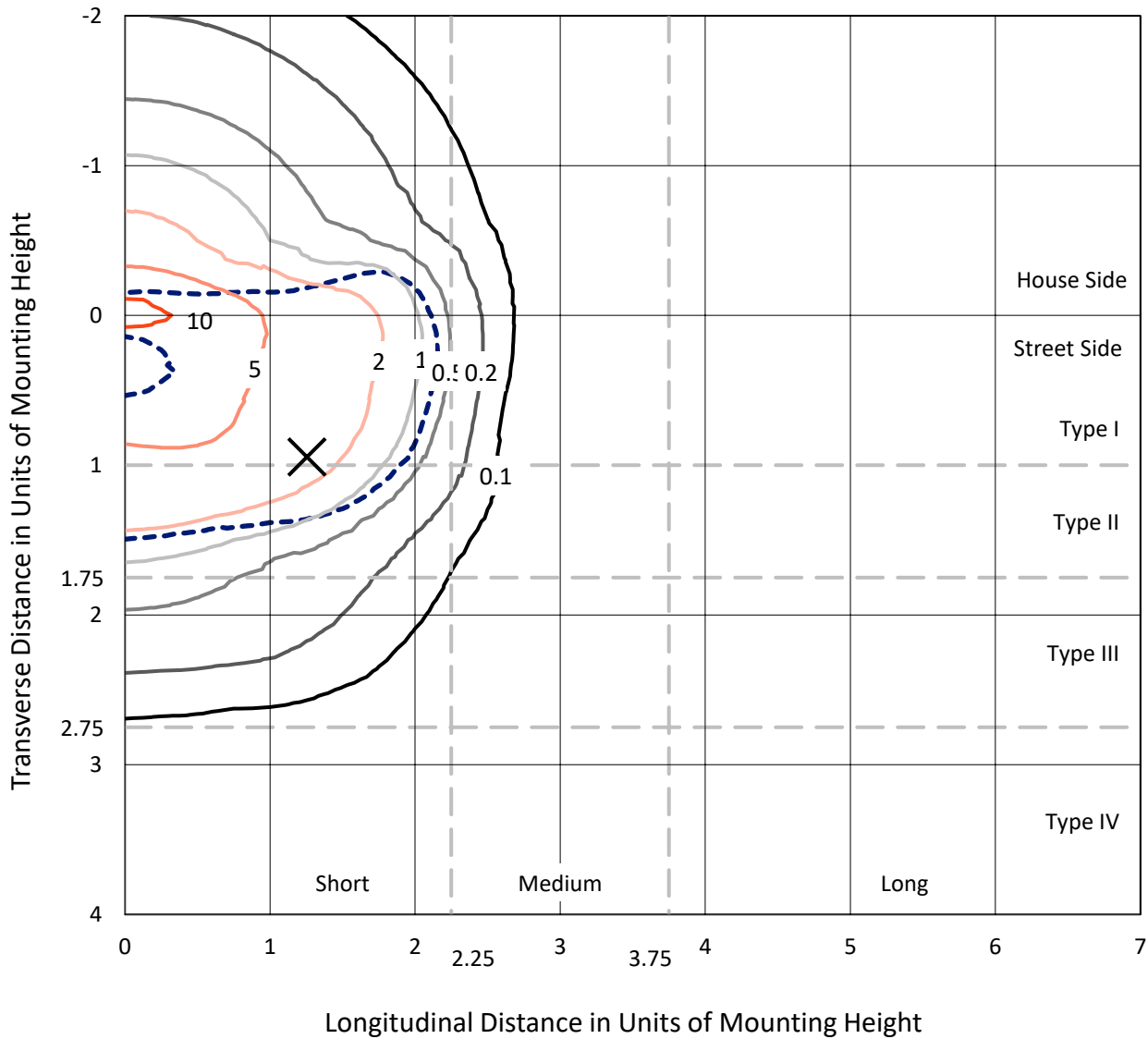
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

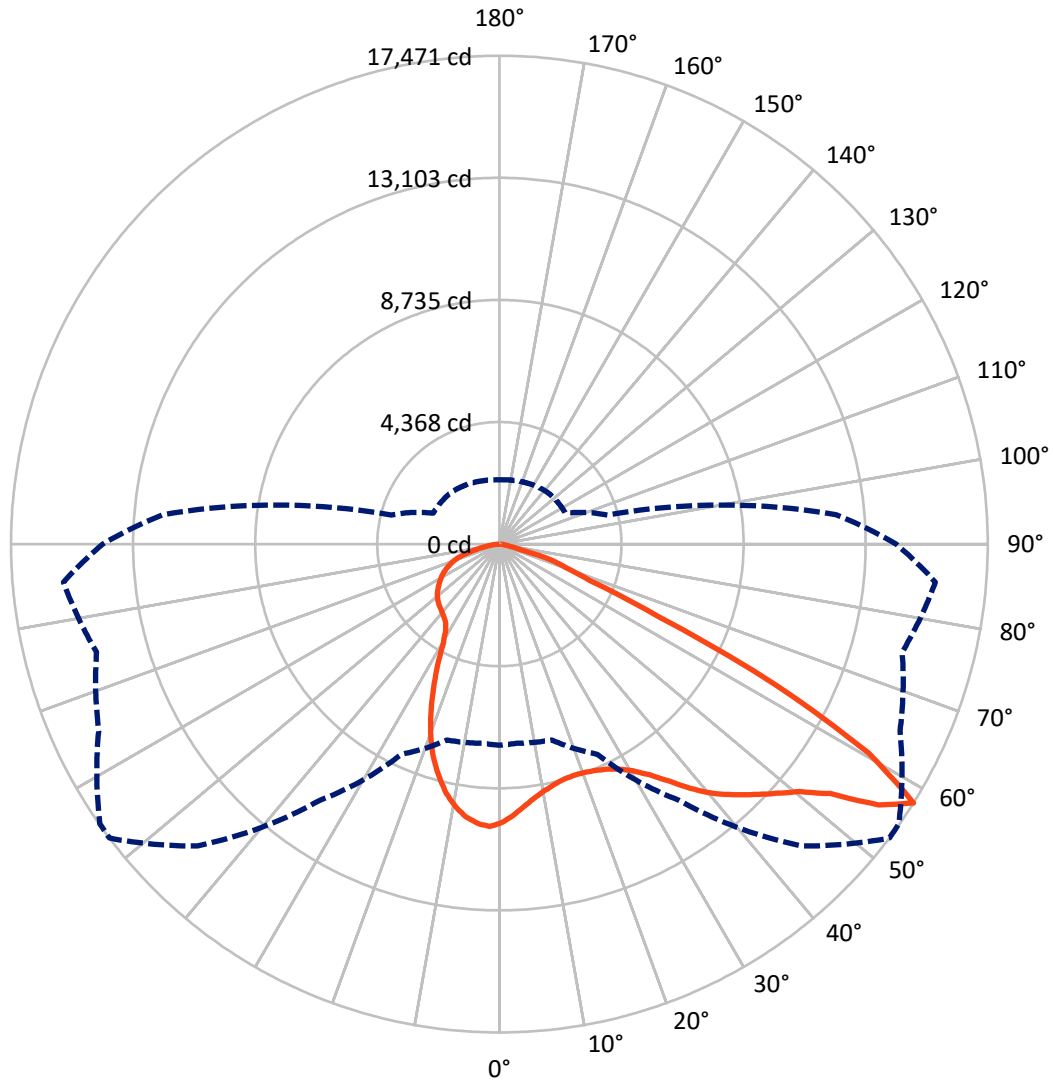
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11.1 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	9757.9	0.0	9757.9
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	21451.1	0.0	21451.1
	% Fixture	68.7	0.0	68.7
Total	Lumens	31209.0	0.0	31209.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	901.2	2.9
10°-20°	2364.4	7.6
20°-30°	3483.6	11.2
30°-40°	4876.1	15.6
40°-50°	6409.9	20.5
50°-60°	7515.7	24.1
60°-70°	4427.6	14.2
70°-80°	1101.4	3.5
80°-90°	129.2	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°	31209.0	100.0
0°-180°	31209.0	100.0

Coefficient of Utilization



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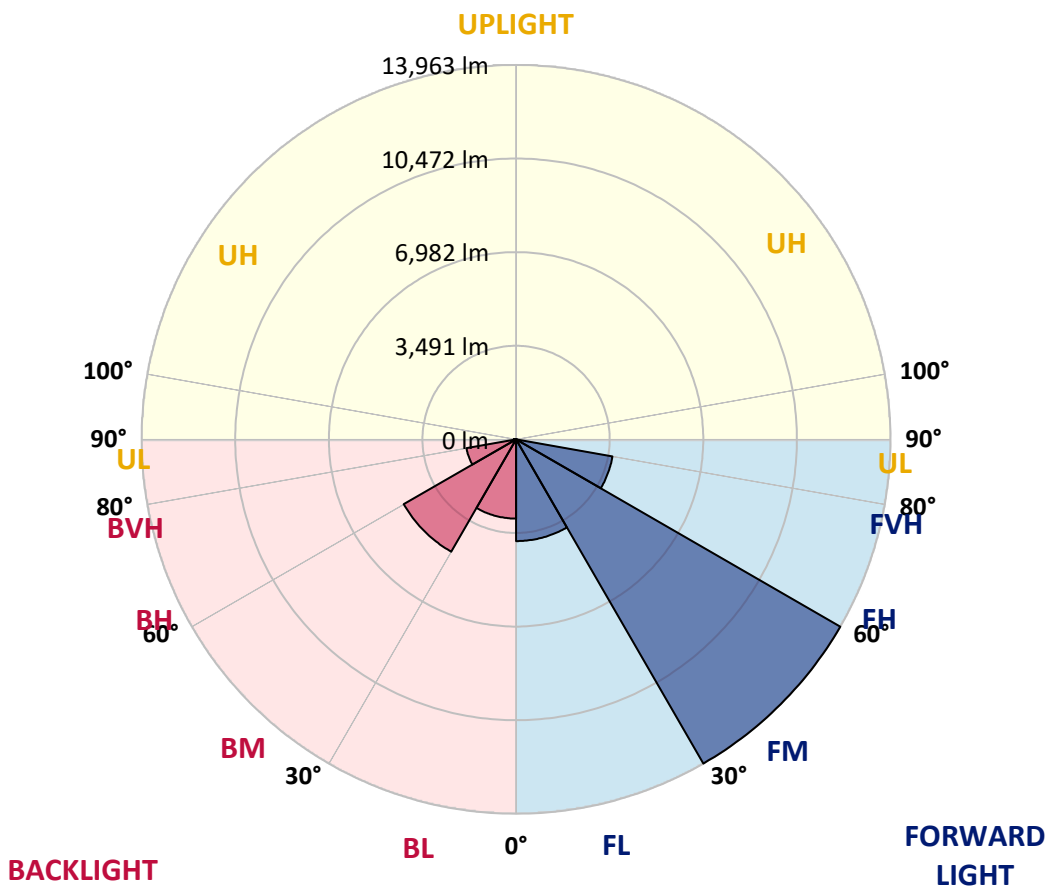
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3794.4	12.2			
FM (30°-60°)	13963.2	44.7			
FH (60°-80°)	3650.3	11.7			G2/5000
FVH (80°-90°)	43.2	0.1			G1/100
BL (0°-30°)	2954.7	9.5	B4/5000		
BM (30°-60°)	4838.5	15.5	B3/5000		
BH (60°-80°)	1878.7	6.0	B3/2500		G3/2500
BVH (80°-90°)	86.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	9965.9	9965.9	9965.9	9965.9	9965.9	9965.9	9965.9	9965.9	9965.9	9965.9	9965.9
2.5°	9393.2	9419.5	9424.8	9506.2	9511.4	9629.7	9708.5	9692.7	9774.1	9873.9	9952.7
5°	8944.1	8946.7	8973.0	9070.2	9122.7	9277.7	9409.0	9409.0	9566.6	9771.5	9947.5
7.5°	8573.7	8571.1	8594.7	8702.4	8789.1	8975.6	9154.2	9175.2	9395.9	9695.3	9981.6
10°	8229.6	8248.0	8274.3	8405.6	8515.9	8747.1	8959.8	8994.0	9272.4	9642.8	10028.9
12.5°	8009.0	8011.6	8051.0	8198.1	8339.9	8586.8	8810.1	8852.1	9172.6	9592.9	10063.1
15°	7867.1	7869.7	7911.8	8074.6	8240.1	8489.6	8718.2	8765.5	9114.8	9585.0	10128.7
17.5°	7804.1	7801.4	7840.8	8003.7	8184.9	8445.0	8689.3	8747.1	9141.1	9645.4	10244.3
20°	7804.1	7806.7	7827.7	7974.8	8158.7	8434.5	8718.2	8789.1	9243.5	9782.0	10422.9
22.5°	7914.4	7924.9	7935.4	8035.2	8179.7	8450.2	8794.3	8888.9	9464.2	10010.5	10656.7
25°	8129.8	8132.4	8142.9	8224.3	8290.0	8494.9	8920.4	9062.3	9808.3	10344.1	10950.9
27.5°	8418.7	8455.5	8466.0	8518.5	8518.5	8605.2	9117.4	9322.3	10273.2	10824.8	11326.5
30°	8823.2	8836.4	8854.8	8912.6	8849.5	8812.7	9406.4	9669.1	10811.7	11405.3	11778.3
32.5°	9177.9	9206.7	9306.6	9401.1	9288.2	9172.6	9831.9	10141.9	11329.2	12009.5	12259.0
35°	9479.9	9550.9	9742.6	9952.7	9873.9	9758.4	10396.7	10719.8	11754.7	12442.9	12684.6
37.5°	9845.0	9900.2	10162.9	10504.4	10575.3	10520.1	11084.9	11316.0	12038.4	12553.2	12915.7
40°	10215.4	10299.5	10638.3	11111.1	11381.7	11421.1	11720.5	11875.5	12135.6	12337.8	12871.1
42.5°	10593.7	10738.1	11203.1	11754.7	12235.4	12324.7	12256.4	12322.1	12104.0	12041.0	12663.5
45°	11056.0	11226.7	11752.1	12456.0	13089.1	13228.3	12781.7	12721.3	12098.8	11928.1	12534.8
47.5°	11602.3	11773.1	12274.8	13094.3	13903.4	14005.8	13320.2	13209.9	12282.7	12101.4	12708.2
50°	12085.7	12203.9	12653.0	13569.8	14662.5	14722.9	13913.9	13779.9	12739.7	12582.1	13249.3
52.5°	11594.5	11581.3	12054.1	13183.6	15056.5	15784.1	14828.0	14699.3	13622.3	13380.6	14087.2
55°	9837.2	9687.4	10110.3	11221.5	13955.9	16727.1	16467.1	16209.7	14799.1	14184.4	14872.6
57.5°	7192.0	7150.0	7252.4	8295.3	11179.4	15266.7	17470.5	17446.9	15815.6	14919.9	15655.4
60°	5623.9	5560.8	5287.6	5316.5	7620.2	11925.4	15161.6	15857.7	16446.1	15361.2	16201.8
62.5°	4993.4	4946.2	4804.3	4412.9	4539.0	7995.8	11113.8	11752.1	14370.9	13567.1	13916.5
65°	4134.5	4121.4	4239.6	4223.8	3803.5	4415.6	6272.7	6916.2	9036.0	9149.0	9036.0
67.5°	3005.0	2981.4	3280.8	3871.8	3661.7	3333.3	3496.2	3719.5	4633.6	4160.8	3745.7
70°	1954.3	1920.2	2093.5	2797.5	3278.2	2905.2	2519.1	2482.3	2547.9	1583.9	1712.6
72.5°	1310.7	1271.3	1268.7	1539.3	1980.6	1956.9	1951.7	1933.3	1725.8	1250.3	1386.9
75°	730.2	698.7	690.8	664.6	709.2	722.4	769.6	795.9	861.6	948.3	1050.7
77.5°	123.5	120.8	152.4	194.4	267.9	344.1	425.5	449.2	554.2	656.7	722.4
80°	68.3	70.9	91.9	113.0	149.7	204.9	262.7	278.4	341.5	396.6	449.2
82.5°	36.8	36.8	47.3	60.4	81.4	107.7	141.8	155.0	197.0	231.2	267.9
85°	13.1	13.1	18.4	23.6	34.1	44.7	55.2	63.0	86.7	118.2	134.0
87.5°	0.0	0.0	0.0	0.0	2.6	5.3	10.5	10.5	13.1	23.6	34.1
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°	9965.9	9965.9	9965.9	9965.9	9965.9	9965.9	9965.9	9965.9	9965.9	9965.9	9965.9
2.5°	10018.4	9947.5	10044.7	10089.3	10105.1	10115.6	10047.3	10000.0	9984.3	9934.4	9905.5
5°	10055.2	10007.9	10099.8	10099.8	10034.2	9965.9	9826.7	9729.5	9661.2	9579.7	9566.6
7.5°	10118.2	10084.1	10134.0	10031.5	9866.1	9682.2	9440.5	9251.4	9099.1	8999.2	9001.9
10°	10202.3	10160.3	10120.9	9892.3	9590.3	9251.4	8881.0	8605.2	8353.1	8237.5	8174.4
12.5°	10257.4	10197.0	10031.5	9653.3	9209.4	8754.9	8232.2	7822.5	7457.3	7291.8	7278.7
15°	10325.7	10215.4	9884.4	9343.3	8726.1	8106.1	7433.7	6863.7	6369.9	6112.4	6099.3
17.5°	10415.1	10233.8	9708.5	8988.7	8216.5	7302.4	6456.5	5739.4	5214.1	5014.5	5048.6
20°	10541.1	10254.8	9508.8	8594.7	7583.4	6388.2	5334.9	4675.6	4473.3	4460.2	4433.9
22.5°	10683.0	10268.0	9288.2	8153.4	6816.4	5413.7	4407.7	4126.6	4124.0	4189.7	4205.4
25°	10843.2	10278.5	9038.6	7638.6	5986.4	4441.8	3898.1	3814.0	3879.7	4003.2	4018.9
27.5°	11048.1	10299.5	8736.6	7073.8	5103.8	3837.7	3617.0	3596.0	3674.8	3790.4	3785.1
30°	11350.2	10375.6	8416.1	6425.0	4197.5	3551.4	3446.3	3448.9	3480.4	3535.6	3543.5
32.5°	11657.5	10493.9	8103.5	5694.8	3677.4	3388.5	3341.2	3336.0	3336.0	3359.6	3364.9
35°	11949.1	10627.8	7764.7	4933.0	3425.3	3293.9	3262.4	3246.7	3238.8	3233.5	3225.6
37.5°	12111.9	10693.5	7433.7	4181.8	3291.3	3230.9	3199.4	3178.4	3149.5	3128.5	3123.2
40°	12041.0	10617.3	7050.2	3619.7	3209.9	3170.5	3133.7	3104.8	3065.4	3047.0	3036.5
42.5°	11804.6	10380.9	6632.5	3354.4	3144.2	3104.8	3060.2	3012.9	2986.6	2970.9	2968.2
45°	11555.1	10094.6	6128.2	3199.4	3081.2	3033.9	2981.4	2928.8	2899.9	2892.0	2889.4
47.5°	11547.2	9952.7	5592.3	3075.9	3005.0	2957.7	2892.0	2839.5	2808.0	2797.5	2787.0
50°	11893.9	10097.2	4988.2	2968.2	2926.2	2876.3	2802.7	2745.0	2705.5	2692.4	2689.8
52.5°	12613.6	10641.0	4447.1	2860.5	2821.1	2763.3	2702.9	2645.1	2597.9	2574.2	2571.6
55°	13391.2	11331.8	4110.9	2750.2	2697.7	2647.8	2592.6	2529.6	2477.0	2440.2	2435.0
57.5°	14194.9	12085.7	4008.4	2611.0	2571.6	2537.4	2471.8	2403.5	2343.1	2308.9	2301.0
60°	14856.9	12734.5	4200.2	2463.9	2442.9	2398.2	2337.8	2272.1	2230.1	2203.8	2198.6
62.5°	12437.6	10367.8	3391.1	2303.7	2303.7	2256.4	2188.1	2140.8	2111.9	2093.5	2088.3
65°	7893.4	6419.8	2314.2	2143.4	2140.8	2077.8	2020.0	1988.4	1975.3	1946.4	1941.2
67.5°	3438.4	2934.1	1977.9	1980.6	1970.1	1901.8	1844.0	1820.3	1794.1	1762.5	1759.9
70°	1783.6	1817.7	1770.4	1799.3	1780.9	1699.5	1644.3	1607.6	1552.4	1520.9	1523.5
72.5°	1439.5	1476.2	1528.8	1573.4	1534.0	1468.4	1381.7	1337.0	1266.1	1231.9	1234.6
75°	1098.0	1137.4	1187.3	1234.6	1203.0	1121.6	1066.5	1021.8	940.4	901.0	908.9
77.5°	756.5	777.5	837.9	835.3	824.8	801.2	719.7	667.2	583.1	535.9	541.1
80°	470.2	483.3	512.2	525.3	520.1	488.6	422.9	383.5	333.6	304.7	307.3
82.5°	283.7	291.6	317.8	320.5	317.8	294.2	244.3	215.4	183.9	168.1	168.1
85°	144.5	149.7	165.5	165.5	149.7	126.1	113.0	99.8	81.4	73.5	73.5
87.5°	39.4	39.4	49.9	42.0	34.1	31.5	15.8	13.1	5.3	2.6	2.6
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)