

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: P640870

Luminaire Tested: GWS-SA5E-760-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-760-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36583.6 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

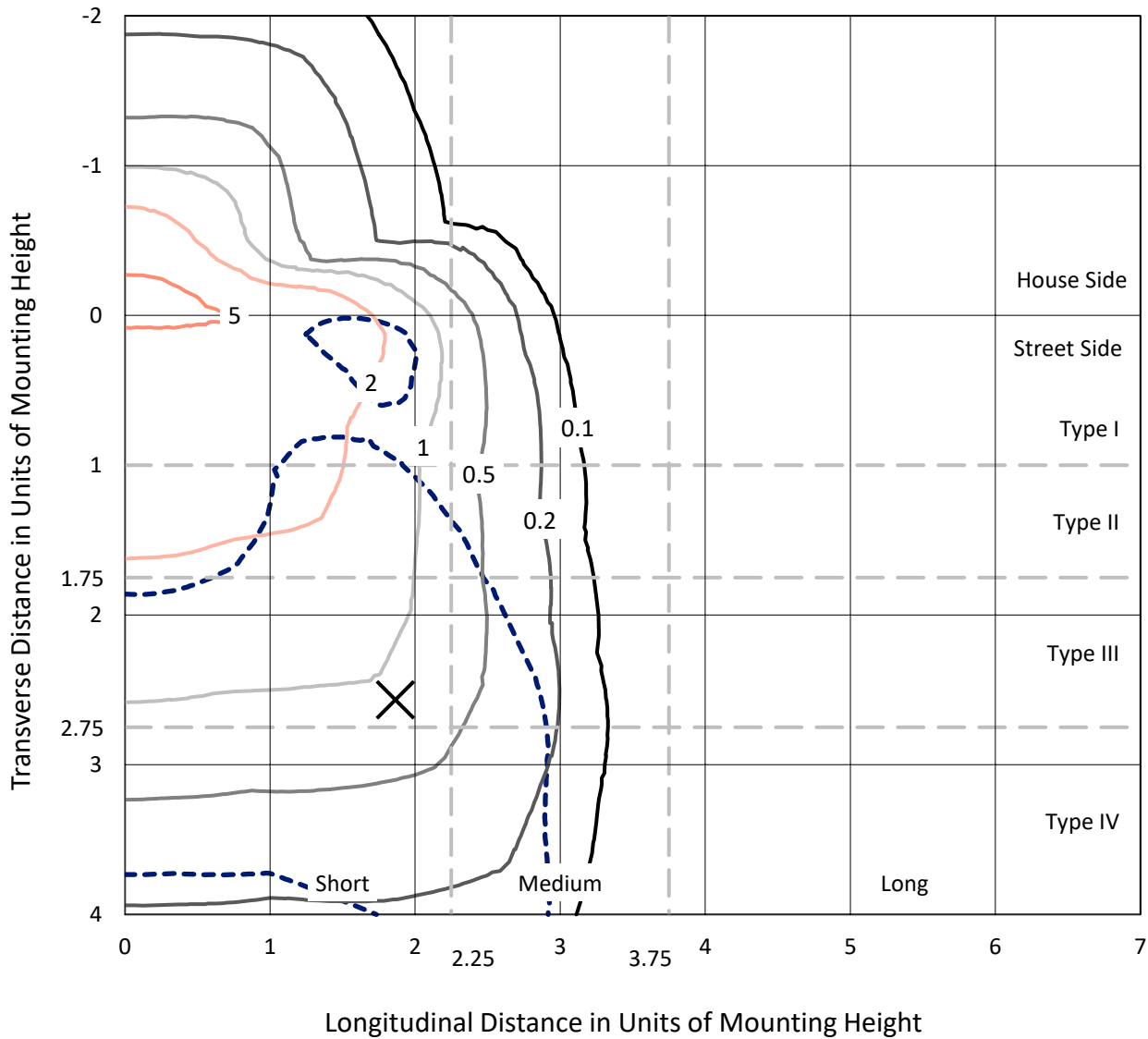
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640870
 CATALOG NUMBER: GWS-SA5E-760-U-T4FT-W

Iso-Footcandle Lines of Horizontal Illumination

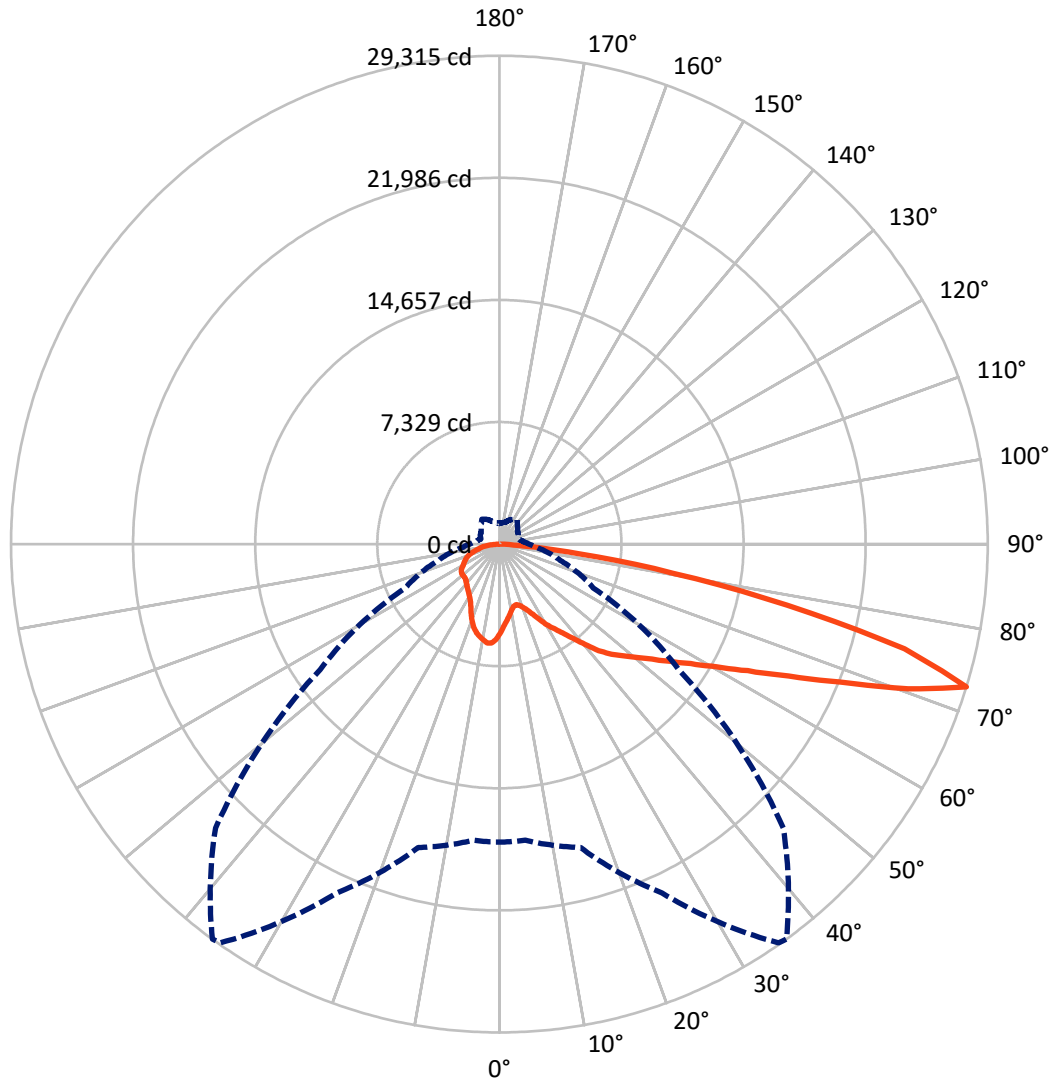
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P640870
CATALOG NUMBER: GWS-SA5E-760-U-T4FT-W

Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P640870

CATALOG NUMBER: GWS-SA5E-760-U-T4FT-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8434.1	0.0	8434.1
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	28149.5	0.0	28149.5
	% Fixture	76.9	0.0	76.9
Total	Lumens	36583.6	0.0	36583.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.5	1.4
10°-20°	1412.0	3.9
20°-30°	2338.5	6.4
30°-40°	3502.1	9.6
40°-50°	5109.2	14.0
50°-60°	7272.0	19.9
60°-70°	9187.6	25.1
70°-80°	6547.0	17.9
80°-90°	714.7	2.0
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°	36583.6	100.0
0°-180°	36583.6	100.0

Coefficient of Utilization



REPORT NUMBER: P640870

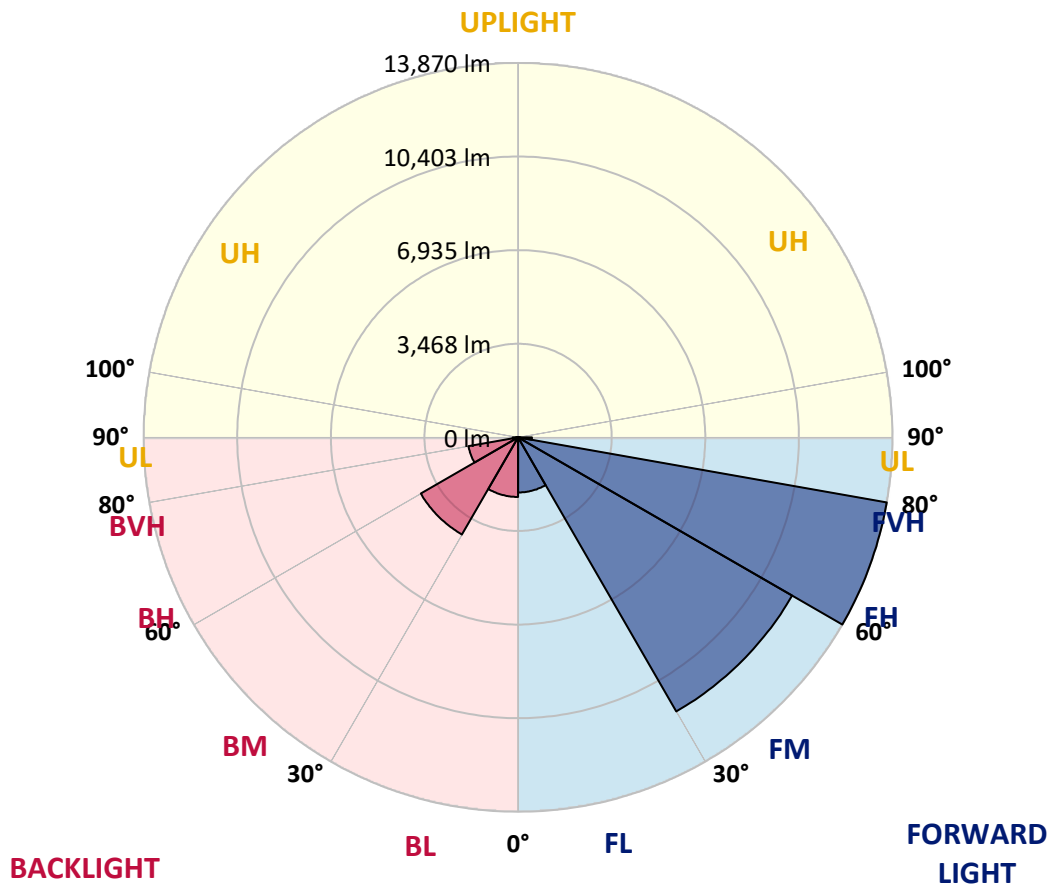
CATALOG NUMBER: GWS-SA5E-760-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2042.4	5.6			
FM (30°-60°)	11724.1	32.0			
FH (60°-80°)	13870.0	37.9			G5
FVH (80°-90°)	513.0	1.4			G4/750
BL (0°-30°)	2208.6	6.0	B3/2500		
BM (30°-60°)	4159.2	11.4	B3/5000		
BH (60°-80°)	1864.6	5.1	B3/2500		G3/2500
BVH (80°-90°)	201.7	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





REPORT NUMBER: P640870

CATALOG NUMBER: GWS-SA5E-760-U-T4FT-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	5354.2	5354.2	5354.2	5354.2	5354.2	5354.2	5354.2	5354.2	5354.2	5354.2	5354.2
2.5°	4884.5	4876.3	4860.0	4908.9	4957.8	4952.3	5020.2	5085.4	5156.0	5229.3	5327.0
5°	4493.5	4488.1	4474.5	4547.8	4621.1	4618.4	4729.7	4835.6	4979.5	5137.0	5332.5
7.5°	4102.5	4088.9	4107.9	4200.3	4303.4	4314.3	4466.3	4640.1	4849.2	5085.4	5362.3
10°	3757.7	3755.0	3763.1	3866.3	4021.1	4031.9	4227.4	4469.1	4746.0	5060.9	5430.2
12.5°	3668.1	3662.7	3640.9	3692.5	3809.3	3825.6	4040.1	4336.0	4675.4	5074.5	5522.5
15°	3814.7	3801.1	3725.1	3700.7	3757.7	3771.3	3953.2	4257.3	4634.7	5099.0	5639.3
17.5°	4067.2	4059.1	3915.2	3814.7	3852.7	3863.6	3999.3	4243.7	4623.8	5147.8	5783.2
20°	4436.5	4401.2	4175.8	4023.8	4023.8	4040.1	4121.5	4303.4	4637.4	5207.6	5946.1
22.5°	4925.2	4854.6	4536.9	4330.6	4276.3	4298.0	4333.3	4452.8	4694.4	5308.0	6149.7
25°	5473.6	5408.5	5031.1	4740.6	4664.5	4672.7	4642.8	4664.5	4819.3	5446.5	6402.2
27.5°	6057.4	6013.9	5612.1	5242.9	5123.4	5123.4	5017.5	4965.9	4993.1	5604.0	6684.6
30°	6578.7	6519.0	6179.6	5775.0	5617.5	5617.5	5416.6	5305.3	5240.1	5796.7	7062.0
32.5°	6852.9	6817.6	6592.3	6282.7	6090.0	6060.1	5886.3	5756.0	5604.0	6081.8	7572.4
35°	7211.3	7203.2	7067.4	6825.8	6581.4	6538.0	6418.5	6315.3	6052.0	6437.5	8251.2
37.5°	7662.0	7648.4	7626.7	7482.8	7189.6	7181.4	7075.5	6950.7	6608.5	6950.7	9073.9
40°	8167.0	8142.6	8115.4	8112.7	7936.2	7906.4	7898.2	7757.0	7279.2	7569.7	9931.8
42.5°	8862.1	8777.9	8522.7	8636.7	8767.1	8739.9	8843.1	8631.3	8115.4	8305.5	10743.6
45°	9717.3	9511.0	9006.0	9038.6	9367.1	9421.4	9779.8	9728.2	9035.8	9155.3	11598.9
47.5°	10230.5	10051.3	9581.6	9554.4	9964.4	10032.3	10811.5	10909.3	10026.9	10178.9	12655.1
50°	10651.3	10526.4	10140.9	10178.9	10613.3	10681.2	11835.1	12044.2	10960.9	11226.9	13882.3
52.5°	11159.1	10979.9	10681.2	10860.4	11392.6	11474.0	12972.7	13198.1	11802.5	12378.1	15153.0
55°	11444.1	11370.8	11376.3	11650.5	12318.4	12429.7	14164.7	14126.7	12573.6	13363.7	16108.7
57.5°	12101.2	12074.0	12323.8	12427.0	13399.0	13542.9	15356.6	15030.8	13274.1	14126.7	16567.5
60°	13260.5	13192.7	13409.9	13567.3	14734.8	14938.5	16687.0	15915.9	13749.3	14694.1	16412.8
62.5°	14889.6	14805.4	14813.6	15063.4	16524.1	16738.6	18166.7	16654.4	13895.9	14781.0	15432.6
65°	16915.1	16792.9	16654.4	16993.8	18899.8	19079.0	19776.8	17192.0	13545.6	13944.7	13385.4
67.5°	19051.8	18951.4	18788.5	19499.8	21976.0	22084.6	21582.3	17145.8	12435.1	11707.5	9388.8
70°	19176.7	19201.2	19972.3	22546.2	25991.6	26018.8	23290.1	16217.3	10070.3	7588.7	4678.1
72.5°	17889.8	17849.1	18853.6	23102.8	29222.6	29314.9	24096.5	13138.4	6223.0	3784.8	2193.8
75°	14531.2	14601.8	15658.0	20213.9	25046.8	25128.2	19643.7	7746.2	2956.7	1851.7	1403.7
77.5°	6255.6	6649.3	8731.8	14240.7	17938.7	17686.1	10124.6	3138.7	1577.5	1319.5	1075.2
80°	1805.5	1960.3	3111.5	6771.5	10749.1	10559.0	4007.5	1175.6	1099.6	991.0	771.1
82.5°	583.7	646.2	1140.3	2696.1	4816.6	4811.2	1520.5	695.1	719.5	673.3	496.9
85°	162.9	187.3	350.2	817.2	1490.6	1460.7	439.8	328.5	382.8	388.3	247.1
87.5°	0.0	0.0	2.7	5.4	5.4	5.4	10.9	48.9	111.3	141.2	100.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P640870
 CATALOG NUMBER: GWS-SA5E-760-U-T4FT-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5354.2	5354.2	5354.2	5354.2	5354.2	5354.2	5354.2	5354.2	5354.2	5354.2	5354.2
2.5°	5386.8	5378.6	5489.9	5576.8	5658.3	5712.6	5728.9	5739.7	5761.4	5772.3	5761.4
5°	5424.8	5465.5	5650.1	5785.9	5894.5	5959.6	5962.4	5956.9	5973.2	5959.6	5951.5
7.5°	5506.2	5585.0	5818.5	5962.4	6032.9	6035.7	5970.5	5894.5	5856.5	5823.9	5813.0
10°	5614.8	5731.6	5986.8	6081.8	6060.1	5959.6	5815.7	5696.3	5628.4	5579.5	5568.7
12.5°	5764.2	5894.5	6136.1	6133.4	5997.7	5818.5	5650.1	5506.2	5408.5	5351.5	5332.5
15°	5905.3	6071.0	6244.7	6117.1	5902.6	5685.4	5468.2	5275.4	5145.1	5055.5	5039.2
17.5°	6079.1	6255.6	6323.5	6065.5	5783.2	5503.5	5213.0	4960.5	4784.0	4678.1	4670.0
20°	6280.0	6437.5	6361.5	5975.9	5628.4	5261.9	4868.2	4585.8	4395.7	4292.6	4300.7
22.5°	6513.5	6627.6	6372.3	5853.8	5413.9	4919.8	4479.9	4208.4	4080.8	4026.5	4029.2
25°	6763.3	6836.6	6353.3	5688.1	5085.4	4501.6	4080.8	3955.9	3945.0	3931.5	3936.9
27.5°	7059.3	7043.0	6296.3	5454.6	4642.8	4015.6	3801.1	3833.7	3877.2	3871.7	3877.2
30°	7455.7	7300.9	6223.0	5131.5	4116.1	3608.4	3635.5	3727.8	3784.8	3790.3	3806.6
32.5°	7909.1	7586.0	6106.3	4691.7	3613.8	3380.3	3480.8	3592.1	3660.0	3673.5	3695.2
35°	8449.4	7911.8	5899.9	4143.2	3252.7	3244.5	3336.9	3412.9	3486.2	3491.6	3491.6
37.5°	9071.1	8237.6	5571.4	3537.8	3030.0	3127.8	3214.7	3231.0	3250.0	3233.7	3241.8
40°	9641.3	8552.6	5104.4	2986.6	2848.1	3024.6	3097.9	3043.6	2983.9	2943.2	2951.3
42.5°	10119.2	8767.1	4485.3	2601.1	2663.5	2932.3	2989.3	2878.0	2761.3	2685.2	2696.1
45°	10656.8	8965.3	3757.7	2340.4	2506.0	2867.1	2905.2	2761.3	2611.9	2497.9	2481.6
47.5°	11398.0	9369.8	3111.5	2158.5	2394.7	2831.8	2894.3	2698.8	2503.3	2332.3	2313.3
50°	12313.0	9942.7	2571.2	2039.0	2343.1	2812.8	2891.6	2630.9	2397.4	2196.5	2182.9
52.5°	13312.1	10502.0	2172.1	1946.7	2291.5	2755.8	2878.0	2554.9	2286.1	2068.9	2052.6
55°	13977.3	10721.9	1903.3	1859.8	2207.4	2666.2	2823.7	2481.6	2117.8	1919.6	1895.1
57.5°	14172.8	10439.6	1715.9	1781.1	2098.8	2541.3	2720.5	2326.8	2014.6	1857.1	1838.1
60°	13836.1	9728.2	1599.2	1715.9	1979.3	2381.1	2541.3	2237.2	1933.1	1792.0	1778.4
62.5°	12885.9	8631.3	1509.6	1648.1	1857.1	2212.8	2427.3	2128.6	1843.6	1732.2	1713.2
65°	10974.4	7078.3	1436.3	1577.5	1740.4	2052.6	2302.4	2020.0	1745.8	1661.6	1639.9
67.5°	7675.6	4971.3	1357.5	1493.3	1623.6	1897.9	2172.1	1919.6	1645.3	1582.9	1561.2
70°	3752.3	2636.4	1262.5	1395.6	1498.7	1740.4	2041.8	1797.4	1512.3	1477.0	1447.1
72.5°	1786.5	1474.3	1151.2	1262.5	1327.7	1531.3	1824.5	1620.9	1354.8	1278.8	1227.2
75°	1197.4	1048.0	1004.6	1105.0	1121.3	1284.2	1563.9	1398.3	1194.6	1107.8	1064.3
77.5°	906.8	801.0	844.4	934.0	901.4	1056.2	1287.0	1246.2	1077.9	999.2	977.4
80°	638.0	583.7	670.6	724.9	700.5	898.7	1159.3	1067.0	887.8	801.0	784.7
82.5°	401.8	391.0	494.1	502.3	510.4	711.4	953.0	839.0	689.6	567.5	526.7
85°	200.9	222.6	295.9	295.9	293.2	366.5	543.0	472.4	372.0	295.9	287.8
87.5°	67.9	95.0	127.6	103.2	78.7	62.4	70.6	86.9	92.3	89.6	89.6
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)