

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: P642506

Luminaire Tested: GWS-SA6D-722-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642506
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-722-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26178.9 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

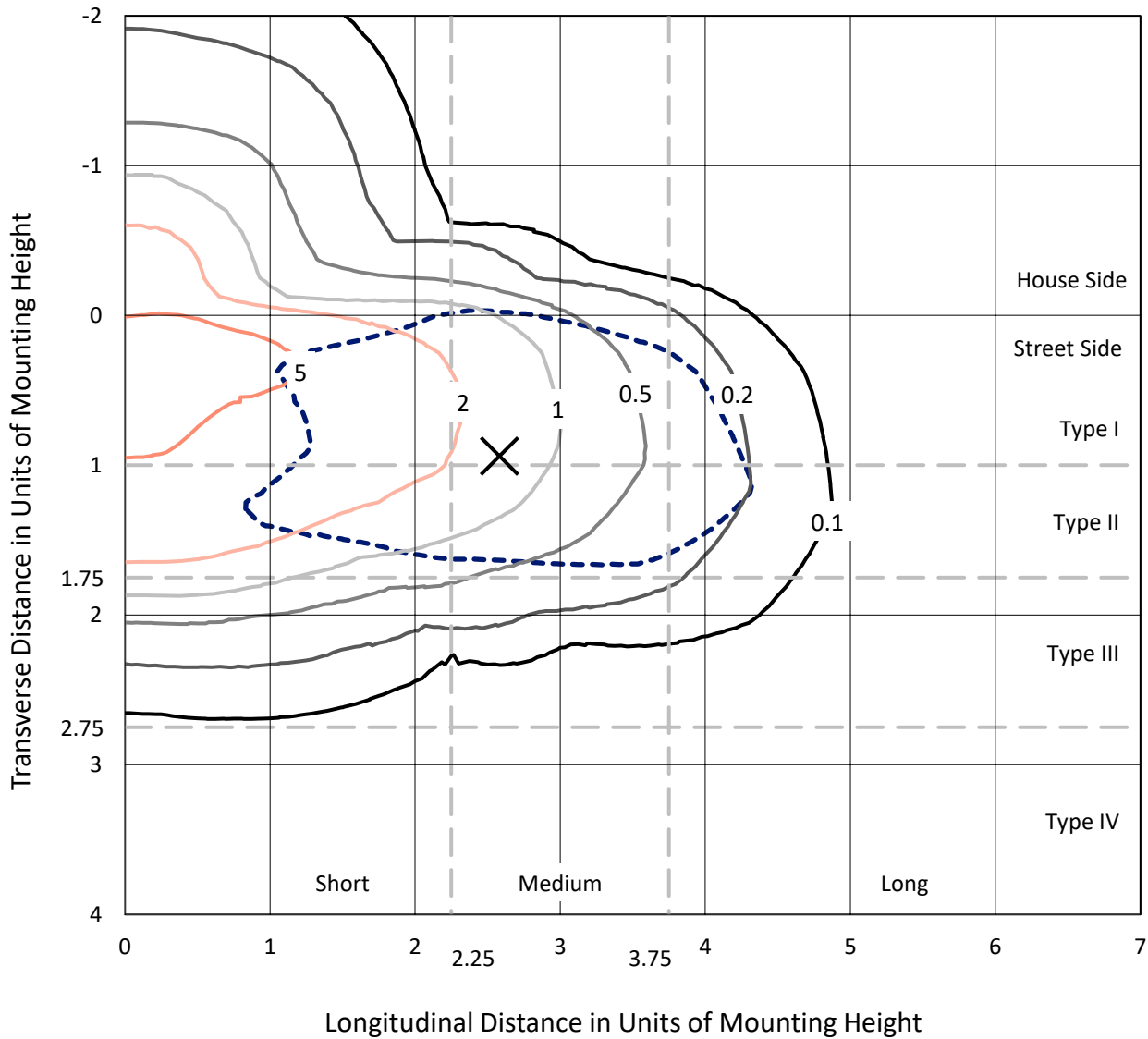
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642506
 CATALOG NUMBER: GWS-SA6D-722-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination

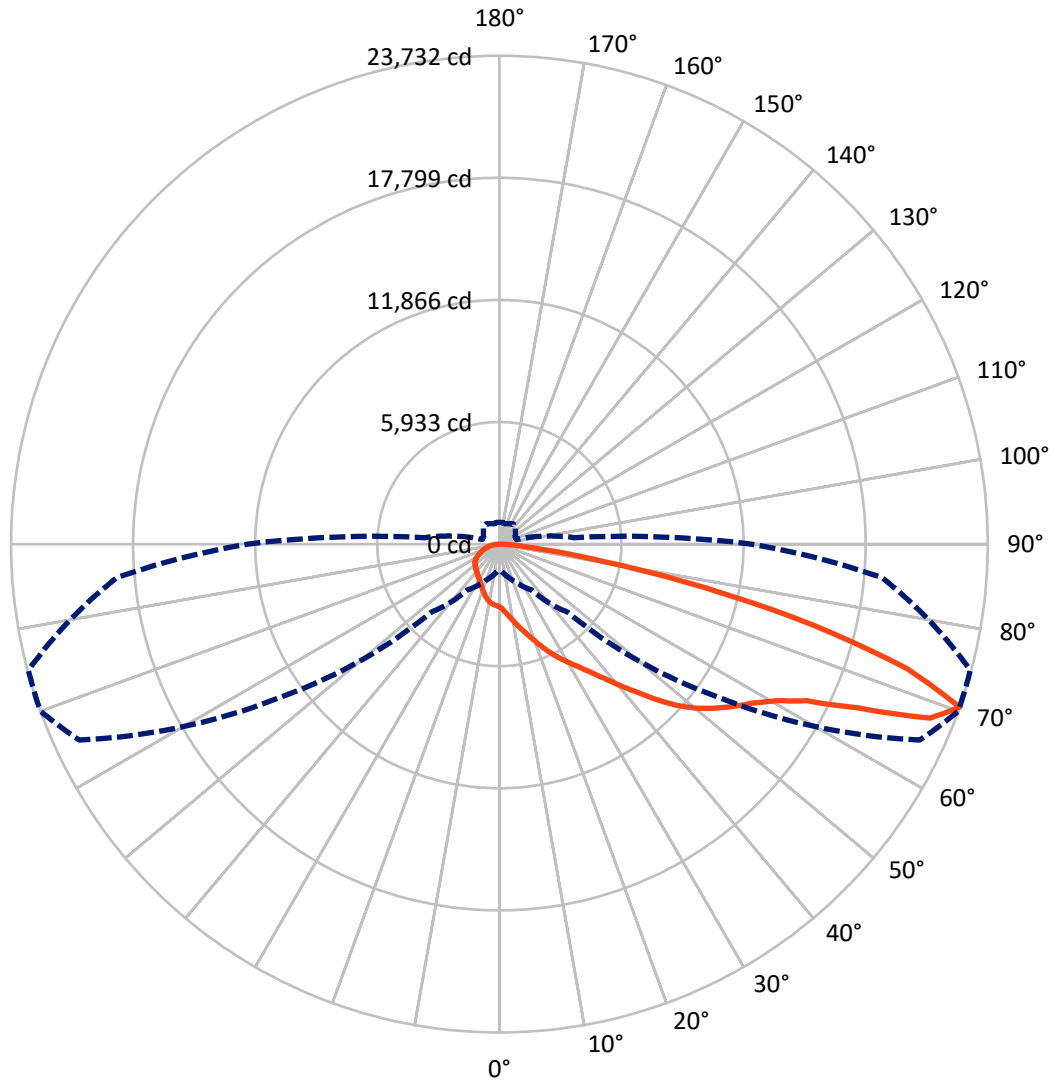
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Medium - N/A

REPORT NUMBER: P642506
CATALOG NUMBER: GWS-SA6D-722-U-T2-W

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P642506

CATALOG NUMBER: GWS-SA6D-722-U-T2-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4691.3	0.0	4691.3
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	21487.6	0.0	21487.6
	% Fixture	82.1	0.0	82.1
Total	Lumens	26178.9	0.0	26178.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.3	1.2
10°-20°	1009.4	3.9
20°-30°	1788.2	6.8
30°-40°	2691.3	10.3
40°-50°	4071.6	15.6
50°-60°	5832.8	22.3
60°-70°	6447.5	24.6
70°-80°	3638.5	13.9
80°-90°	389.2	1.5
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°	26178.9	100.0
0°-180°	26178.9	100.0

Coefficient of Utilization



REPORT NUMBER: P642506

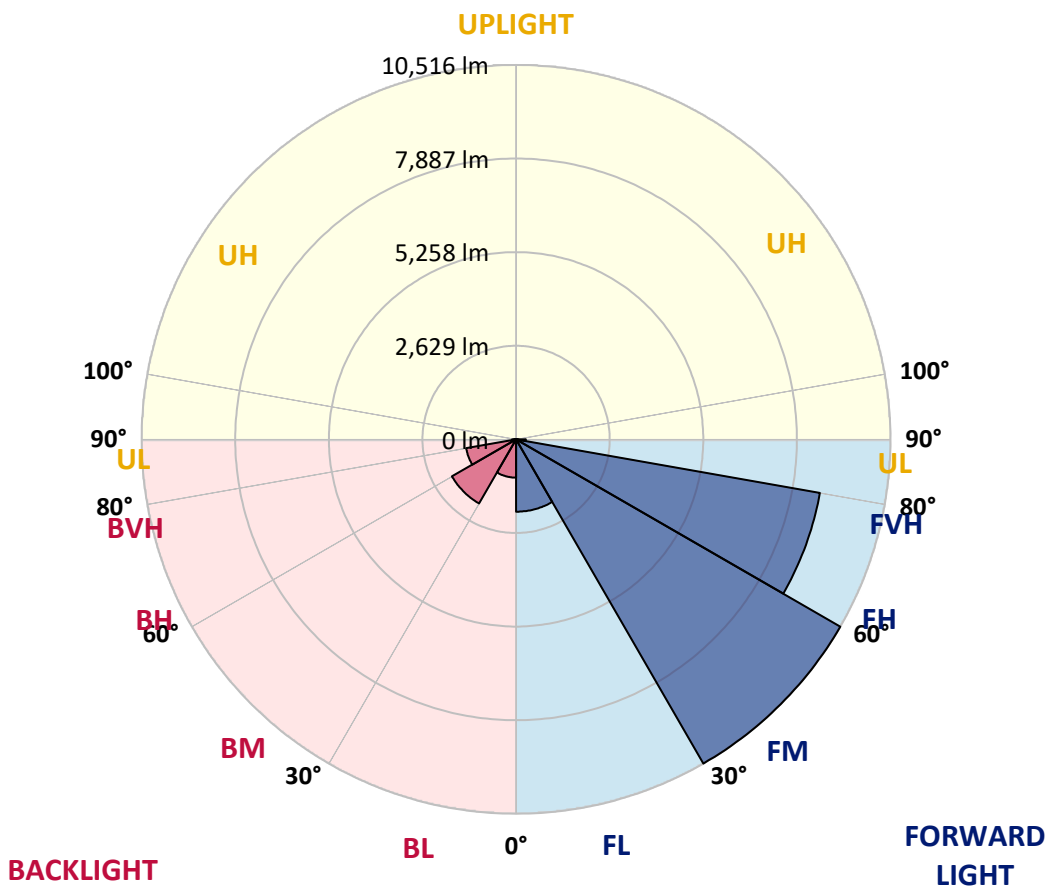
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2032.3	7.8			
FM (30°-60°)	10516.0	40.2			
FH (60°-80°)	8664.1	33.1			G4/12000
FVH (80°-90°)	275.1	1.1			G3/500
BL (0°-30°)	1075.7	4.1	B3/2500		
BM (30°-60°)	2079.7	7.9	B2/2500		
BH (60°-80°)	1421.9	5.4	B3/2500		G3/2500
BVH (80°-90°)	114.1	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium





REPORT NUMBER: P642506

CATALOG NUMBER: GWS-SA6D-722-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0
2.5°	3382.1	3376.5	3380.2	3376.5	3355.7	3304.6	3263.0	3210.0	3174.1	3153.3	3104.1
5°	3779.4	3773.7	3760.5	3741.5	3703.7	3633.7	3529.7	3414.3	3344.3	3291.3	3187.3
7.5°	4065.0	4065.0	4063.1	4040.4	4013.9	3940.2	3817.2	3665.9	3563.7	3472.9	3302.7
10°	4210.6	4220.1	4233.3	4265.5	4259.8	4220.1	4104.7	3942.0	3813.4	3707.5	3454.0
12.5°	4290.1	4295.8	4318.5	4384.7	4452.8	4462.2	4394.1	4223.9	4083.9	3942.0	3622.4
15°	4392.2	4394.1	4424.4	4503.8	4604.1	4704.3	4687.3	4517.1	4373.3	4216.3	3809.6
17.5°	4471.7	4484.9	4539.8	4632.5	4757.3	4895.4	4978.6	4872.7	4694.9	4515.2	4013.9
20°	4500.1	4509.5	4581.4	4723.3	4893.5	5088.3	5273.7	5245.3	5065.6	4853.8	4244.7
22.5°	4602.2	4602.2	4655.2	4774.3	4974.8	5258.6	5559.3	5633.1	5474.2	5226.4	4492.5
25°	4827.3	4819.7	4844.3	4893.5	5044.8	5394.8	5841.2	6062.5	5884.7	5606.6	4740.3
27.5°	5135.6	5131.8	5130.0	5137.5	5188.6	5513.9	6079.5	6463.5	6285.7	5971.7	4961.6
30°	5470.4	5459.1	5483.7	5461.0	5449.6	5655.8	6281.9	6822.9	6684.8	6333.0	5145.1
32.5°	5926.3	5905.5	5899.8	5826.1	5780.7	5877.1	6444.6	7231.5	7121.8	6722.7	5351.3
35°	6527.8	6508.9	6412.4	6295.2	6160.9	6206.3	6647.0	7630.6	7638.2	7210.7	5621.8
37.5°	7135.0	7138.8	7063.1	6787.0	6648.9	6622.4	6955.3	8116.7	8279.4	7793.3	5971.7
40°	7640.1	7662.8	7662.8	7371.5	7165.3	7140.7	7388.5	8693.7	9017.1	8508.3	6414.3
42.5°	8024.1	8044.9	8111.1	7901.1	7683.6	7768.7	7914.3	9272.5	9853.2	9391.7	6974.2
45°	8445.9	8462.9	8498.8	8377.8	8251.0	8478.0	8510.2	9964.8	10810.4	10382.9	7624.9
47.5°	9005.8	8990.7	8994.4	8905.5	8807.2	9174.1	9166.6	10547.4	11735.3	11468.6	8330.5
50°	9701.9	9730.3	9703.8	9527.9	9412.5	9747.3	9790.8	11192.4	12548.7	12543.0	9041.7
52.5°	10371.5	10382.9	10522.8	10530.4	10294.0	10224.0	10337.5	11843.2	13235.3	13526.7	9724.6
55°	10405.6	10449.1	10869.0	11171.6	11553.7	10991.9	10889.8	12463.6	13899.3	14489.5	10433.9
57.5°	9681.1	9751.1	10464.2	11116.8	12179.9	12310.4	11835.6	13265.6	14563.2	15437.1	11254.9
60°	8133.8	8279.4	9247.9	10246.7	11898.0	13258.0	13770.7	14355.2	15435.3	16405.6	12251.7
62.5°	5194.3	5251.0	6609.2	8281.3	10628.8	13165.4	15877.9	16275.1	16763.1	17667.3	13787.7
65°	2600.9	2782.5	3578.9	4942.7	7664.7	11601.0	16942.8	19791.5	19193.8	19827.5	16277.0
67.5°	1764.8	1823.5	2226.4	2969.8	4494.4	8218.9	16282.7	22753.8	22577.8	22681.9	18930.9
70°	1301.4	1339.2	1657.0	2103.4	2718.2	4666.5	12963.0	22530.5	23731.7	23693.9	18652.8
72.5°	949.6	968.5	1208.7	1605.9	2014.5	2413.6	7916.2	18200.7	20716.5	21808.0	16312.9
75°	690.4	713.1	839.9	1201.2	1566.2	1505.7	3908.0	13146.4	15798.4	17898.1	13290.2
77.5°	514.5	542.9	601.5	752.8	1097.1	1078.2	1689.2	8536.7	10218.3	11689.9	8073.2
80°	370.7	376.4	410.5	482.4	696.1	631.8	803.9	4450.9	5103.5	5591.5	3164.6
82.5°	225.1	230.8	274.3	297.0	431.3	397.2	418.0	1441.4	2065.6	2192.3	1182.2
85°	66.2	70.0	124.8	136.2	179.7	170.2	168.4	586.4	699.9	894.7	465.3
87.5°	0.0	0.0	0.0	0.0	1.9	11.3	20.8	104.0	157.0	217.5	113.5
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: P642506
 CATALOG NUMBER: GWS-SA6D-722-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0	3053.0
2.5°	3085.2	3041.7	3019.0	2979.2	2950.9	2922.5	2894.1	2867.6	2856.3	2839.3	2843.0
5°	3140.0	3071.9	3003.8	2926.3	2860.1	2805.2	2756.0	2712.5	2693.6	2676.6	2684.1
7.5°	3223.2	3121.1	2990.6	2848.7	2744.7	2669.0	2617.9	2587.7	2578.2	2565.0	2565.0
10°	3329.2	3176.0	2947.1	2744.7	2619.8	2559.3	2536.6	2534.7	2544.2	2546.1	2542.3
12.5°	3446.4	3228.9	2882.8	2621.7	2515.8	2496.9	2513.9	2546.1	2578.2	2595.2	2591.5
15°	3567.5	3263.0	2773.0	2504.4	2440.1	2464.7	2519.6	2583.9	2646.3	2678.5	2676.6
17.5°	3681.0	3270.5	2631.2	2391.0	2373.9	2436.3	2530.9	2631.2	2716.3	2761.7	2763.6
20°	3807.7	3257.3	2485.5	2288.8	2307.7	2409.9	2534.7	2655.8	2756.0	2801.4	2812.8
22.5°	3923.1	3211.9	2343.7	2192.3	2251.0	2377.7	2504.4	2617.9	2706.8	2750.3	2765.5
25°	4027.2	3124.9	2188.6	2111.0	2207.5	2332.3	2428.8	2508.2	2570.7	2597.1	2617.9
27.5°	4083.9	2994.4	2071.3	2046.7	2165.9	2268.0	2321.0	2345.6	2366.4	2358.8	2373.9
30°	4095.3	2831.7	1969.1	1995.6	2103.4	2179.1	2190.4	2165.9	2129.9	2071.3	2084.5
32.5°	4083.9	2644.4	1884.0	1940.8	2033.4	2078.8	2063.7	1999.4	1912.4	1821.6	1827.3
35°	4087.7	2455.3	1814.0	1880.2	1952.1	1976.7	1938.9	1850.0	1757.3	1674.0	1670.3
37.5°	4129.3	2296.4	1755.4	1821.6	1872.7	1876.4	1834.8	1742.1	1694.9	1632.4	1624.9
40°	4244.7	2179.1	1702.4	1762.9	1795.1	1793.2	1745.9	1679.7	1711.9	1691.1	1685.4
42.5°	4433.9	2107.2	1658.9	1700.5	1723.2	1727.0	1689.2	1647.6	1717.5	1691.1	1681.6
45°	4738.4	2103.4	1628.6	1638.1	1674.0	1700.5	1674.0	1626.8	1653.2	1524.6	1500.0
47.5°	5099.7	2167.7	1605.9	1583.2	1645.7	1693.0	1651.3	1575.7	1520.8	1403.5	1386.5
50°	5534.7	2298.3	1585.1	1524.6	1604.1	1664.6	1623.0	1518.9	1435.7	1373.3	1363.8
52.5°	6051.1	2470.4	1558.7	1458.4	1541.6	1649.5	1623.0	1513.3	1403.5	1346.8	1337.3
55°	6592.1	2669.0	1528.4	1379.0	1471.6	1653.2	1636.2	1473.5	1379.0	1348.7	1341.1
57.5°	7263.6	2907.4	1473.5	1286.3	1409.2	1619.2	1583.2	1450.8	1361.9	1337.3	1329.8
60°	8135.7	3261.1	1369.5	1191.7	1337.3	1558.7	1536.0	1413.0	1316.5	1295.7	1290.1
62.5°	9516.5	3860.7	1242.8	1100.9	1252.2	1431.9	1466.0	1341.1	1259.8	1257.9	1256.0
65°	11767.5	4581.4	1093.3	1019.6	1163.3	1327.9	1373.3	1267.4	1201.2	1222.0	1220.1
67.5°	13345.1	4643.8	970.4	934.4	1059.3	1214.4	1280.6	1191.7	1119.8	1159.5	1157.6
70°	12223.4	3622.4	864.4	845.5	947.7	1091.4	1180.3	1097.1	1025.2	1063.1	1055.5
72.5°	10309.1	2776.8	764.2	752.8	834.2	962.8	1051.7	1002.5	926.9	926.9	909.8
75°	8285.1	2290.7	658.3	652.6	707.4	832.3	932.5	849.3	779.3	775.5	764.2
77.5°	4751.6	1501.9	552.3	548.6	565.6	696.1	724.5	707.4	654.5	629.9	622.3
80°	1893.5	781.2	435.1	410.5	427.5	510.7	571.3	542.9	497.5	467.2	450.2
82.5°	733.9	391.6	306.4	268.6	293.2	368.9	414.3	404.8	374.5	306.4	287.5
85°	298.9	191.0	183.5	155.1	170.2	198.6	238.3	206.2	170.2	121.1	115.4
87.5°	79.4	70.0	68.1	41.6	32.2	9.5	1.9	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)