

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: P642616

Luminaire Tested: GWS-SA6D-730-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642616
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-730-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32363.7 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

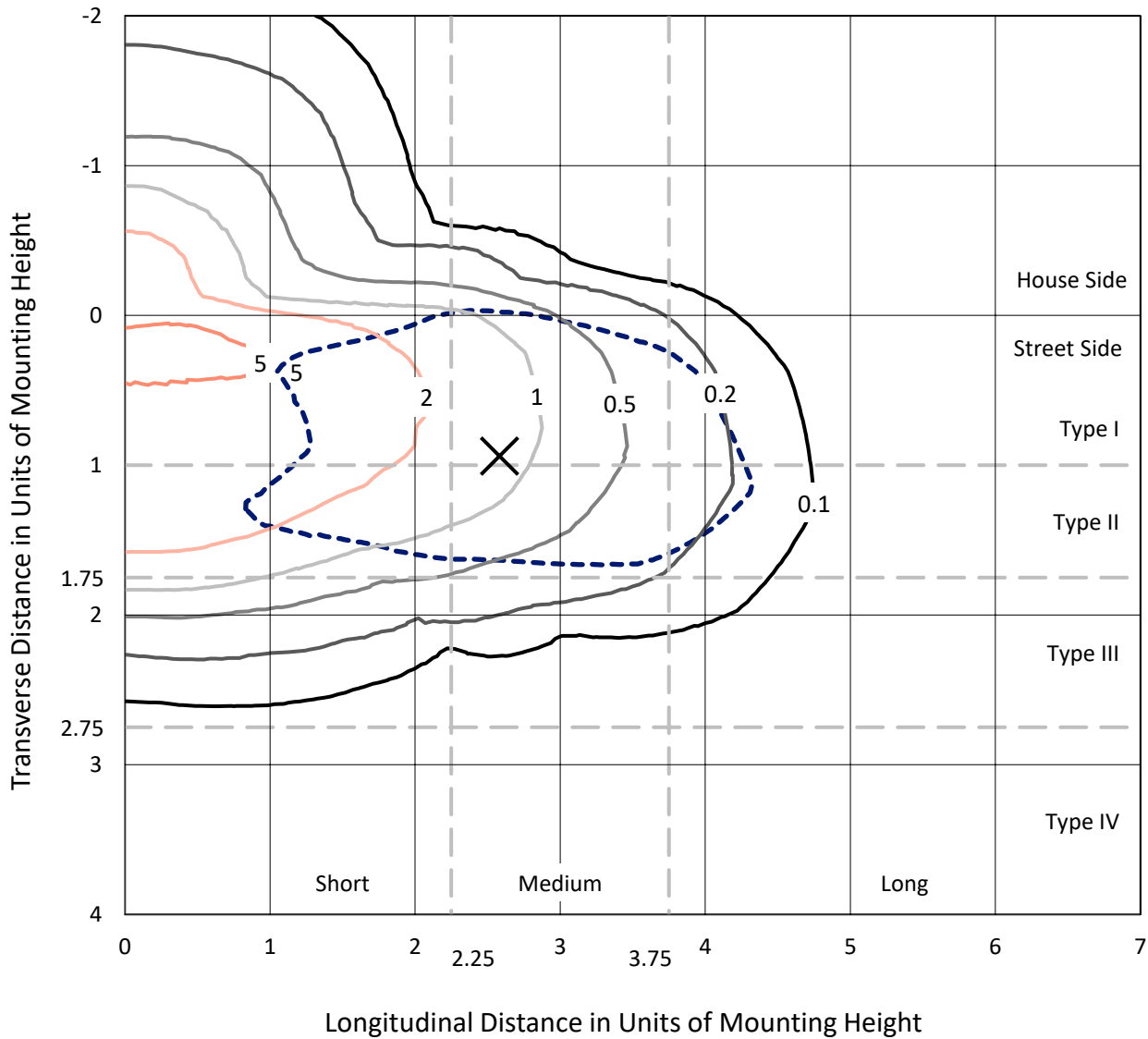
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642616
 CATALOG NUMBER: GWS-SA6D-730-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination

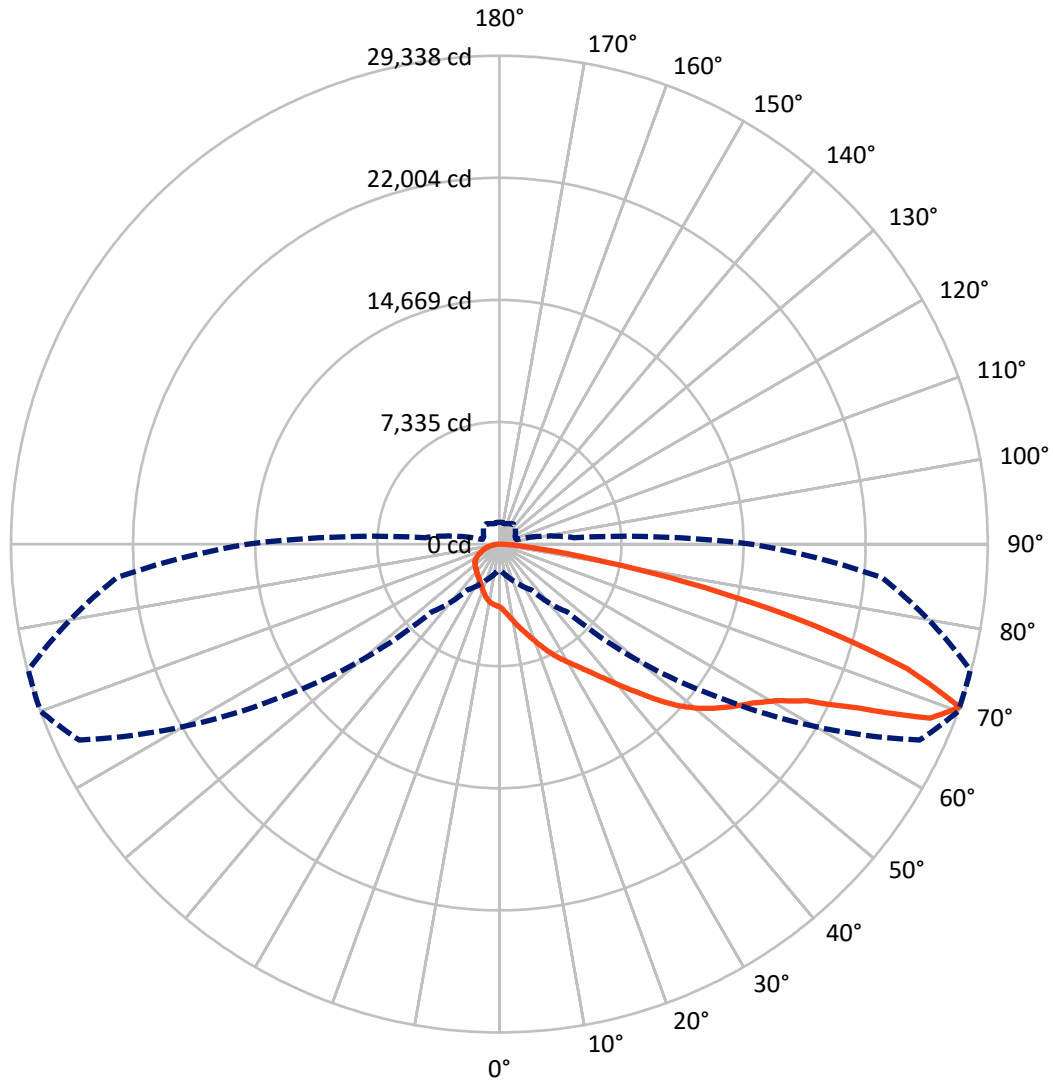
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Medium - N/A

REPORT NUMBER: P642616
CATALOG NUMBER: GWS-SA6D-730-U-T2-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P642616

CATALOG NUMBER: GWS-SA6D-730-U-T2-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5799.6	0.0	5799.6
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	26564.0	0.0	26564.0
	% Fixture	82.1	0.0	82.1
Total	Lumens	32363.7	0.0	32363.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.6	1.2
10°-20°	1247.9	3.9
20°-30°	2210.7	6.8
30°-40°	3327.1	10.3
40°-50°	5033.5	15.6
50°-60°	7210.8	22.3
60°-70°	7970.8	24.6
70°-80°	4498.1	13.9
80°-90°	481.1	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°	32363.7	100.0
0°-180°	32363.7	100.0

Coefficient of Utilization



REPORT NUMBER: P642616

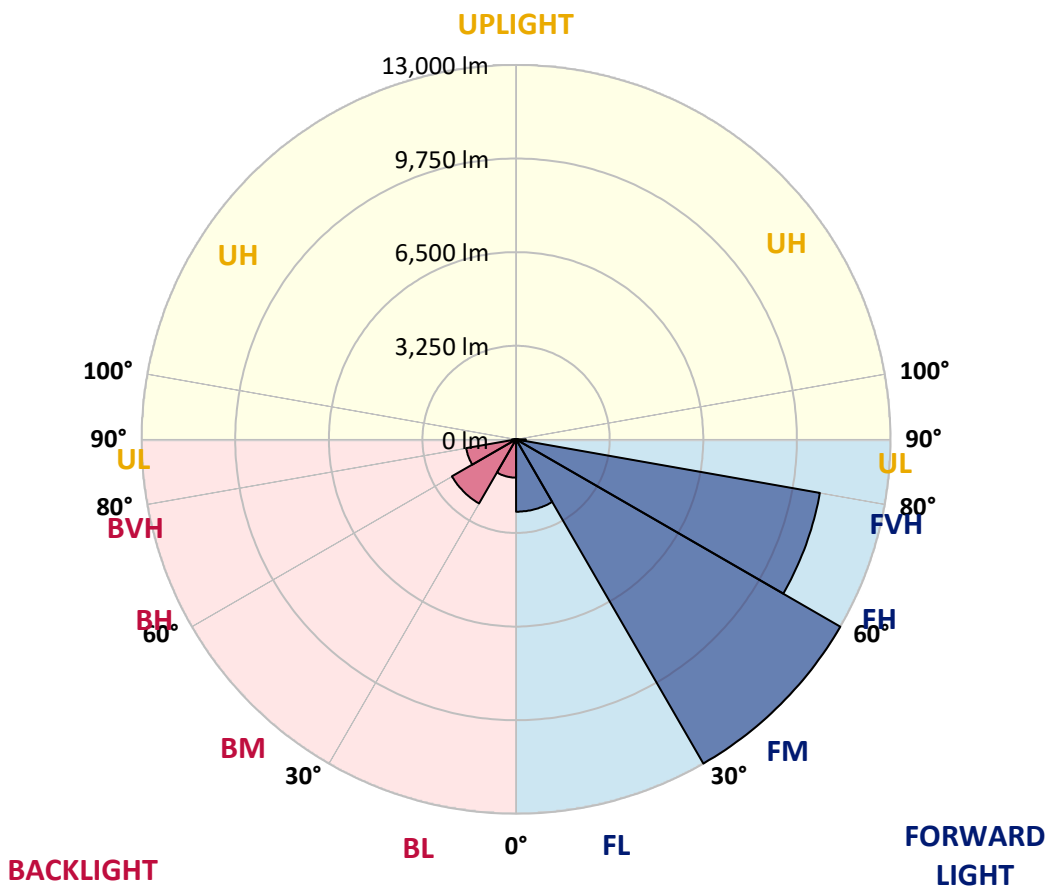
CATALOG NUMBER: GWS-SA6D-730-U-T2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2512.4	7.8			
FM (30°-60°)	13000.5	40.2			
FH (60°-80°)	10711.0	33.1			G4/12000
FVH (80°-90°)	340.1	1.1			G3/500
BL (0°-30°)	1329.8	4.1	B3/2500		
BM (30°-60°)	2571.0	7.9	B3/5000		
BH (60°-80°)	1757.8	5.4	B3/2500		G3/2500
BVH (80°-90°)	141.0	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: P642616
 CATALOG NUMBER: GWS-SA6D-730-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	3774.3	3774.3	3774.3	3774.3	3774.3	3774.3	3774.3	3774.3	3774.3	3774.3	3774.3
2.5°	4181.2	4174.2	4178.8	4174.2	4148.4	4085.3	4033.8	3968.4	3923.9	3898.2	3837.4
5°	4672.2	4665.2	4648.9	4625.5	4578.7	4492.2	4363.6	4220.9	4134.4	4068.9	3940.3
7.5°	5025.4	5025.4	5023.0	4995.0	4962.2	4871.0	4719.0	4531.9	4405.7	4293.4	4083.0
10°	5205.4	5217.1	5233.5	5273.2	5266.2	5217.1	5074.5	4873.4	4714.3	4583.4	4270.0
12.5°	5303.6	5310.6	5338.7	5420.6	5504.7	5516.4	5432.2	5221.8	5048.7	4873.4	4478.2
15°	5429.9	5432.2	5469.7	5567.9	5691.8	5815.8	5794.7	5584.2	5406.5	5212.4	4709.7
17.5°	5528.1	5544.5	5612.3	5726.9	5881.2	6051.9	6154.8	6023.9	5804.1	5581.9	4962.2
20°	5563.2	5574.9	5663.8	5839.1	6049.6	6290.5	6519.6	6484.6	6262.4	6000.5	5247.5
22.5°	5689.5	5689.5	5755.0	5902.3	6150.2	6500.9	6872.7	6963.9	6767.5	6461.2	5553.8
25°	5967.8	5958.4	5988.8	6049.6	6236.7	6669.3	7221.2	7494.8	7275.0	6931.2	5860.2
27.5°	6348.9	6344.2	6341.9	6351.3	6414.4	6816.6	7515.8	7990.5	7770.7	7382.5	6133.8
30°	6762.8	6748.8	6779.2	6751.1	6737.1	6992.0	7766.0	8434.8	8264.1	7829.2	6360.6
32.5°	7326.4	7300.7	7293.7	7202.5	7146.3	7265.6	7967.1	8939.9	8804.3	8310.9	6615.5
35°	8070.0	8046.6	7927.4	7782.4	7616.4	7672.5	8217.4	9433.4	9442.7	8914.2	6949.9
37.5°	8820.7	8825.4	8731.8	8390.4	8219.7	8187.0	8598.5	10034.3	10235.4	9634.5	7382.5
40°	9445.0	9473.1	9473.1	9113.0	8858.1	8827.7	9134.0	10747.6	11147.4	10518.4	7929.7
42.5°	9919.8	9945.5	10027.3	9767.8	9498.8	9604.1	9784.1	11463.1	12181.0	11610.5	8621.9
45°	10441.2	10462.3	10506.7	10357.0	10200.4	10481.0	10520.7	12319.0	13364.3	12835.8	9426.3
47.5°	11133.4	11114.7	11119.4	11009.5	10887.9	11341.5	11332.2	13039.3	14507.8	14178.1	10298.6
50°	11994.0	12029.0	11996.3	11778.8	11636.2	12050.1	12103.9	13836.7	15513.4	15506.3	11177.8
52.5°	12821.8	12835.8	13008.9	13018.2	12725.9	12639.4	12779.7	14641.1	16362.2	16722.3	12022.0
55°	12863.9	12917.7	13436.8	13811.0	14283.3	13588.8	13462.5	15408.1	17183.0	17912.6	12899.0
57.5°	11968.2	12054.8	12936.4	13743.1	15057.4	15218.7	14631.8	16399.6	18003.8	19084.2	13913.8
60°	10055.4	10235.4	11432.7	12667.4	14708.9	16390.3	17024.0	17746.6	19081.8	20281.5	15146.2
62.5°	6421.4	6491.6	8170.6	10237.8	13139.8	16275.7	19629.0	20120.1	20723.4	21841.2	17045.0
65°	3215.4	3439.9	4424.4	6110.4	9475.4	14341.8	20945.6	24467.3	23728.4	24511.8	20122.5
67.5°	2181.8	2254.3	2752.4	3671.4	5556.2	10160.6	20129.5	28129.4	27911.9	28040.5	23403.3
70°	1608.9	1655.6	2048.5	2600.4	3360.4	5769.0	16025.5	27853.4	29338.3	29291.6	23059.6
72.5°	1173.9	1197.3	1494.3	1985.4	2490.5	2983.9	9786.5	22500.7	25610.8	26960.1	20166.9
75°	853.5	881.6	1038.3	1484.9	1936.2	1861.4	4831.3	16252.3	19530.8	22126.5	16430.0
77.5°	636.1	671.1	743.6	930.7	1356.3	1332.9	2088.2	10553.5	12632.4	14451.7	9980.6
80°	458.3	465.4	507.4	596.3	860.6	781.0	993.8	5502.4	6309.2	6912.5	3912.2
82.5°	278.3	285.3	339.1	367.1	533.2	491.1	516.8	1781.9	2553.6	2710.3	1461.5
85°	81.8	86.5	154.3	168.4	222.2	210.5	208.1	724.9	865.2	1106.1	575.3
87.5°	0.0	0.0	0.0	0.0	2.3	14.0	25.7	128.6	194.1	268.9	140.3
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: P642616
 CATALOG NUMBER: GWS-SA6D-730-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3774.3	3774.3	3774.3	3774.3	3774.3	3774.3	3774.3	3774.3	3774.3	3774.3	3774.3
2.5°	3814.0	3760.2	3732.2	3683.1	3648.0	3612.9	3577.8	3545.1	3531.1	3510.0	3514.7
5°	3881.8	3797.7	3713.5	3617.6	3535.8	3467.9	3407.1	3353.4	3330.0	3308.9	3318.3
7.5°	3984.7	3858.5	3697.1	3521.7	3393.1	3299.6	3236.4	3199.0	3187.3	3171.0	3171.0
10°	4115.7	3926.3	3643.3	3393.1	3238.8	3163.9	3135.9	3133.5	3145.2	3147.6	3142.9
12.5°	4260.7	3991.8	3563.8	3241.1	3110.2	3086.8	3107.8	3147.6	3187.3	3208.4	3203.7
15°	4410.3	4033.8	3428.2	3096.1	3016.6	3047.0	3114.8	3194.3	3271.5	3311.3	3308.9
17.5°	4550.6	4043.2	3252.8	2955.8	2934.8	3011.9	3128.9	3252.8	3358.0	3414.2	3416.5
20°	4707.3	4026.8	3072.7	2829.5	2852.9	2979.2	3133.5	3283.2	3407.1	3463.3	3477.3
22.5°	4850.0	3970.7	2897.4	2710.3	2782.8	2939.4	3096.1	3236.4	3346.3	3400.1	3418.8
25°	4978.6	3863.1	2705.6	2609.7	2729.0	2883.3	3002.6	3100.8	3178.0	3210.7	3236.4
27.5°	5048.7	3701.8	2560.6	2530.2	2677.5	2803.8	2869.3	2899.7	2925.4	2916.1	2934.8
30°	5062.8	3500.7	2434.3	2467.1	2600.4	2693.9	2707.9	2677.5	2633.1	2560.6	2577.0
32.5°	5048.7	3269.2	2329.1	2399.3	2513.8	2570.0	2551.3	2471.8	2364.2	2251.9	2259.0
35°	5053.4	3035.3	2242.6	2324.4	2413.3	2443.7	2396.9	2287.0	2172.4	2069.5	2064.9
37.5°	5104.9	2838.9	2170.1	2251.9	2315.1	2319.8	2268.3	2153.7	2095.3	2018.1	2008.7
40°	5247.5	2693.9	2104.6	2179.4	2219.2	2216.9	2158.4	2076.6	2116.3	2090.6	2083.6
42.5°	5481.4	2605.0	2050.8	2102.3	2130.3	2135.0	2088.2	2036.8	2123.3	2090.6	2078.9
45°	5857.8	2600.4	2013.4	2025.1	2069.5	2102.3	2069.5	2011.1	2043.8	1884.8	1854.4
47.5°	6304.5	2679.9	1985.4	1957.3	2034.5	2092.9	2041.5	1947.9	1880.1	1735.1	1714.1
50°	6842.3	2841.2	1959.6	1884.8	1983.0	2057.8	2006.4	1877.8	1774.9	1697.7	1686.0
52.5°	7480.7	3054.0	1926.9	1803.0	1905.8	2039.1	2006.4	1870.8	1735.1	1665.0	1653.3
55°	8149.5	3299.6	1889.5	1704.7	1819.3	2043.8	2022.8	1821.7	1704.7	1667.3	1658.0
57.5°	8979.7	3594.2	1821.7	1590.2	1742.2	2001.7	1957.3	1793.6	1683.7	1653.3	1643.9
60°	10057.7	4031.5	1693.0	1473.2	1653.3	1926.9	1898.8	1746.8	1627.6	1601.8	1594.8
62.5°	11764.8	4772.8	1536.4	1361.0	1548.1	1770.2	1812.3	1658.0	1557.4	1555.1	1552.7
65°	14547.6	5663.8	1351.6	1260.4	1438.2	1641.6	1697.7	1566.8	1484.9	1510.6	1508.3
67.5°	16497.8	5740.9	1199.6	1155.2	1309.5	1501.3	1583.1	1473.2	1384.4	1433.5	1431.1
70°	15111.1	4478.2	1068.7	1045.3	1171.6	1349.3	1459.2	1356.3	1267.4	1314.2	1304.9
72.5°	12744.6	3432.9	944.7	930.7	1031.3	1190.3	1300.2	1239.4	1145.8	1145.8	1124.8
75°	10242.5	2831.9	813.8	806.8	874.6	1028.9	1152.9	1050.0	963.4	958.8	944.7
77.5°	5874.2	1856.7	682.8	678.2	699.2	860.6	895.6	874.6	809.1	778.7	769.4
80°	2340.8	965.8	537.8	507.4	528.5	631.4	706.2	671.1	615.0	577.6	556.6
82.5°	907.3	484.1	378.8	332.1	362.5	456.0	512.1	500.4	463.0	378.8	355.4
85°	369.5	236.2	226.8	191.8	210.5	245.5	294.6	254.9	210.5	149.7	142.6
87.5°	98.2	86.5	84.2	51.4	39.8	11.7	2.3	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)