

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: P642795

Luminaire Tested: GWS-SA6D-750-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642795
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-SA6D-750-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35393.5 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

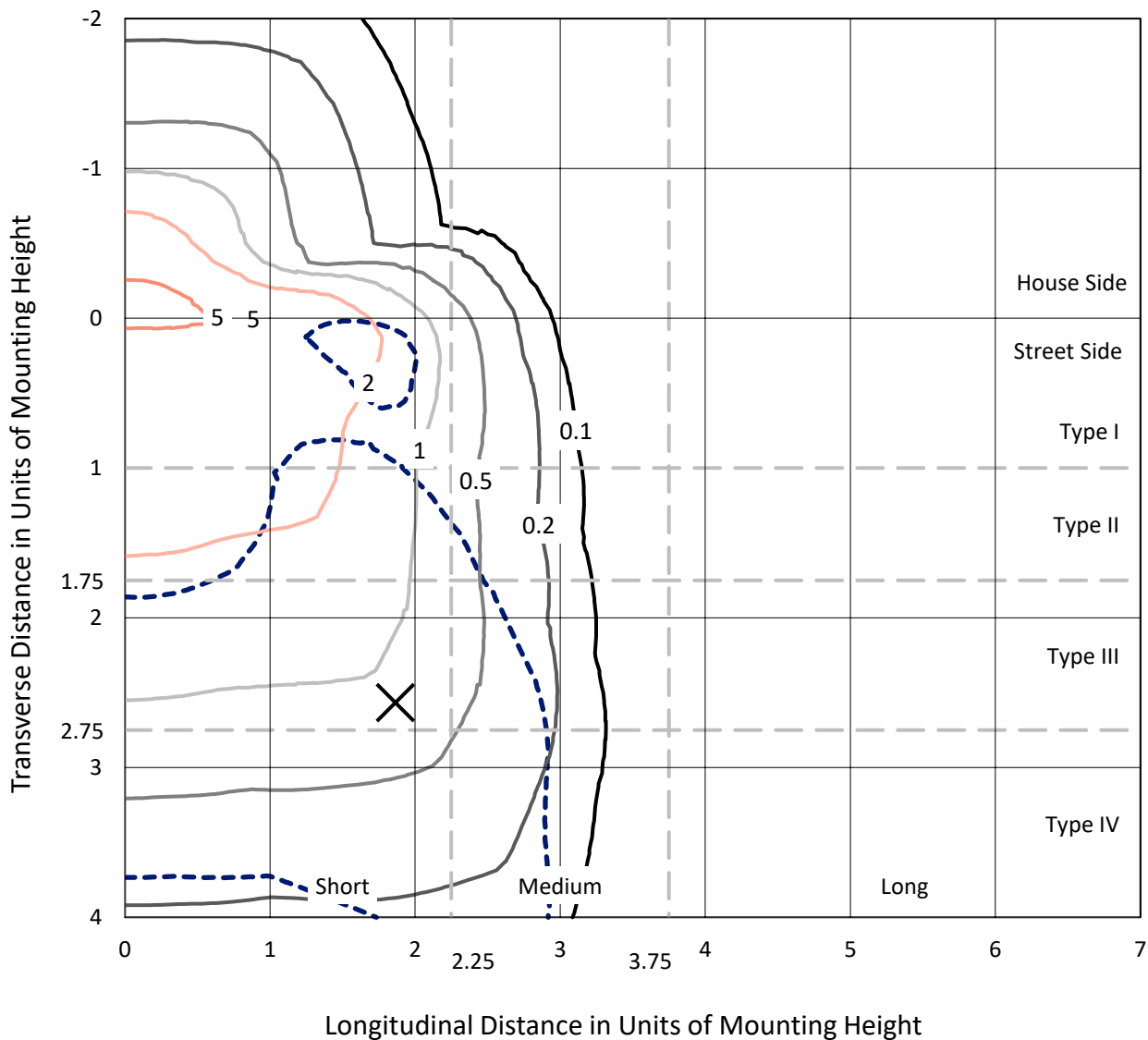
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

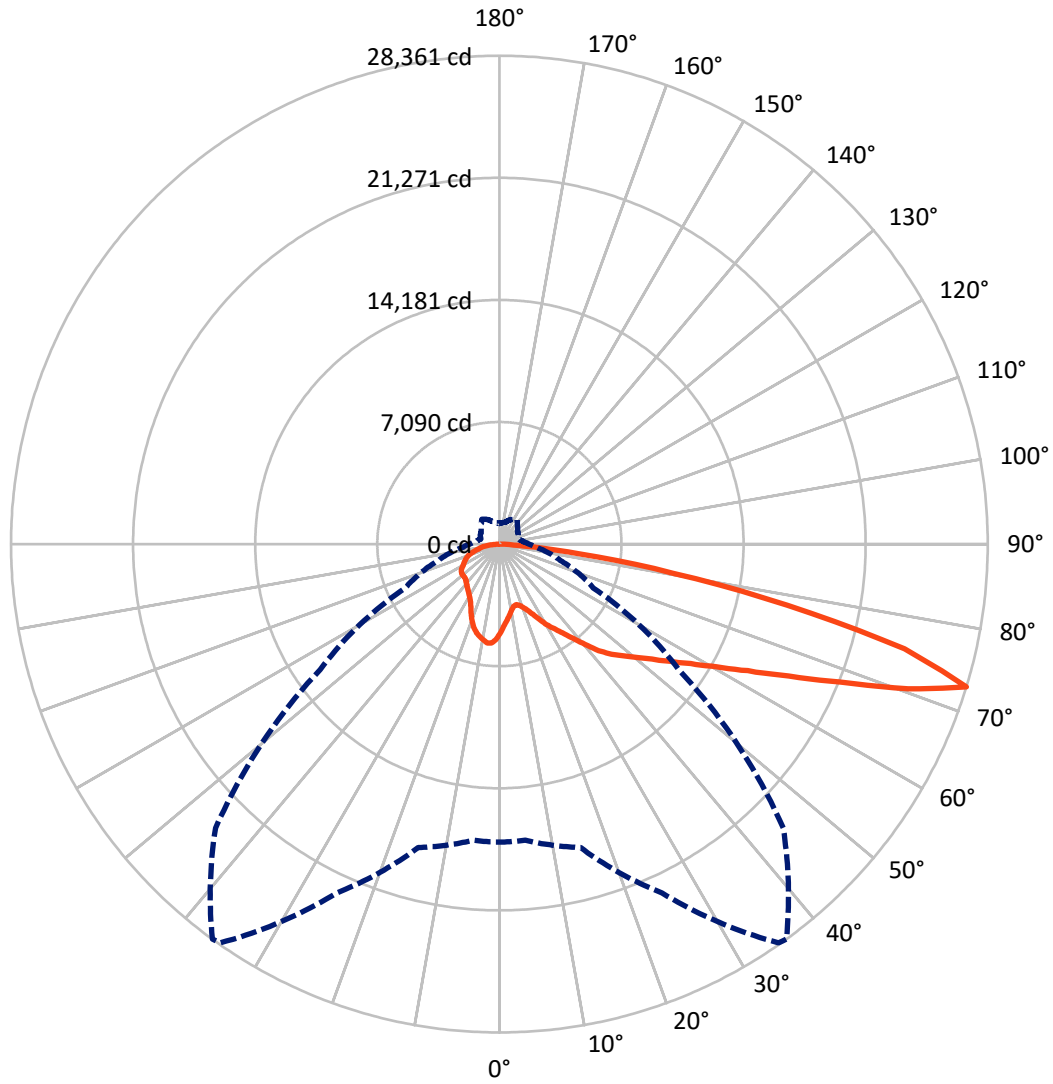
✕ Max cd
- - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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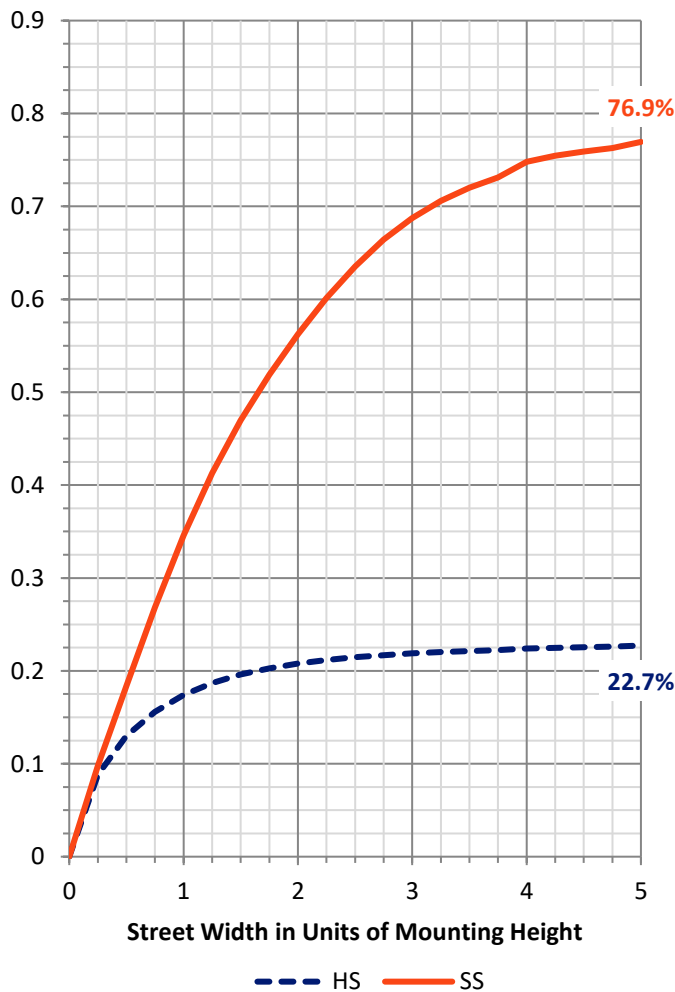
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8159.7	0.0	8159.7
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	27233.8	0.0	27233.8
	% Fixture	76.9	0.0	76.9
Total	Lumens	35393.5	0.0	35393.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.2	1.4
10°-20°	1366.1	3.9
20°-30°	2262.4	6.4
30°-40°	3388.2	9.6
40°-50°	4943.0	14.0
50°-60°	7035.4	19.9
60°-70°	8888.7	25.1
70°-80°	6334.0	17.9
80°-90°	691.5	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°	35393.5	100.0
0°-180°	35393.5	100.0

Coefficient of Utilization



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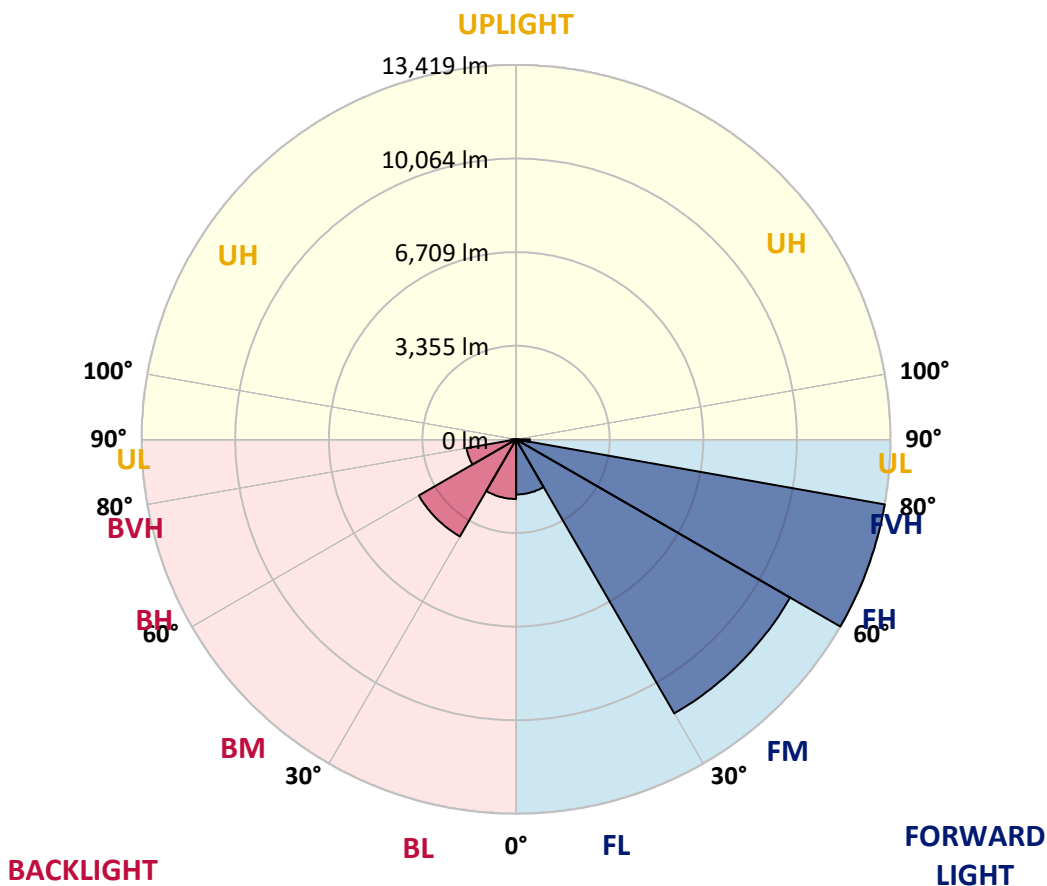
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1975.9	5.6			
FM (30°-60°)	11342.7	32.0			
FH (60°-80°)	13418.8	37.9			G5
FVH (80°-90°)	496.3	1.4			G3/500
BL (0°-30°)	2136.8	6.0	B3/2500		
BM (30°-60°)	4023.9	11.4	B3/5000		
BH (60°-80°)	1803.9	5.1	B3/2500		G3/2500
BVH (80°-90°)	195.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	5180.0	5180.0	5180.0	5180.0	5180.0	5180.0	5180.0	5180.0	5180.0	5180.0	5180.0
2.5°	4725.6	4717.7	4701.9	4749.2	4796.5	4791.2	4856.9	4919.9	4988.2	5059.2	5153.7
5°	4347.3	4342.1	4328.9	4399.8	4470.8	4468.1	4575.8	4678.3	4817.5	4969.9	5159.0
7.5°	3969.1	3955.9	3974.3	4063.6	4163.4	4173.9	4321.0	4489.2	4691.4	4919.9	5187.9
10°	3635.5	3632.8	3640.7	3740.5	3890.3	3900.8	4089.9	4323.7	4591.6	4896.3	5253.5
12.5°	3548.8	3543.5	3522.5	3572.4	3685.4	3701.1	3908.6	4195.0	4523.3	4909.4	5342.9
15°	3690.6	3677.5	3603.9	3580.3	3635.5	3648.6	3824.6	4118.8	4483.9	4933.1	5455.8
17.5°	3934.9	3927.0	3787.8	3690.6	3727.4	3737.9	3869.2	4105.6	4473.4	4980.4	5595.0
20°	4292.1	4258.0	4040.0	3892.9	3892.9	3908.6	3987.4	4163.4	4486.5	5038.2	5752.6
22.5°	4765.0	4696.7	4389.3	4189.7	4137.2	4158.2	4192.3	4307.9	4541.7	5135.3	5949.6
25°	5295.6	5232.5	4867.4	4586.3	4512.8	4520.7	4491.8	4512.8	4662.5	5269.3	6193.9
27.5°	5860.3	5818.3	5429.5	5072.3	4956.7	4956.7	4854.3	4804.4	4830.6	5421.7	6467.1
30°	6364.7	6306.9	5978.5	5587.1	5434.8	5434.8	5240.4	5132.7	5069.7	5608.2	6832.2
32.5°	6630.0	6595.8	6377.8	6078.4	5891.9	5863.0	5694.8	5568.8	5421.7	5884.0	7326.1
35°	6976.7	6968.8	6837.5	6603.7	6367.3	6325.3	6209.7	6109.9	5855.1	6228.1	7982.8
37.5°	7412.8	7399.6	7378.6	7239.4	6955.7	6947.8	6845.4	6724.5	6393.6	6724.5	8778.7
40°	7901.3	7877.7	7851.4	7848.8	7678.1	7649.2	7641.3	7504.7	7042.4	7323.4	9608.7
42.5°	8573.8	8492.4	8245.4	8355.8	8481.9	8455.6	8555.4	8350.5	7851.4	8035.3	10394.1
45°	9401.2	9201.6	8713.0	8744.5	9062.4	9114.9	9461.6	9411.7	8741.9	8857.5	11221.6
47.5°	9897.7	9724.3	9269.9	9243.6	9640.3	9705.9	10459.8	10554.4	9700.7	9847.8	12243.4
50°	10304.8	10184.0	9811.0	9847.8	10268.1	10333.7	11450.1	11652.4	10604.3	10861.7	13430.7
52.5°	10796.0	10622.7	10333.7	10507.1	11021.9	11100.7	12550.7	12768.7	11418.6	11975.5	14660.0
55°	11071.9	11000.9	11006.2	11271.5	11917.7	12025.4	13703.9	13667.1	12164.6	12929.0	15584.6
57.5°	11707.5	11681.3	11922.9	12022.7	12963.1	13102.3	14857.0	14541.8	12842.3	13667.1	16028.6
60°	12829.2	12763.5	12973.6	13126.0	14255.5	14452.5	16144.1	15398.1	13302.0	14216.1	15878.8
62.5°	14405.2	14323.8	14331.7	14573.3	15986.5	16194.1	17575.7	16112.6	13443.8	14300.2	14930.6
65°	16364.8	16246.6	16112.6	16441.0	18285.0	18458.3	19133.4	16632.7	13105.0	13491.1	12950.0
67.5°	18432.1	18334.9	18177.3	18865.5	21261.1	21366.2	20880.2	16588.1	12030.6	11326.6	9083.4
70°	18552.9	18576.5	19322.5	21812.7	25146.1	25172.4	22532.5	15689.7	9742.7	7341.8	4525.9
72.5°	17307.8	17268.4	18240.3	22351.2	28272.0	28361.3	23312.6	12711.0	6020.6	3661.7	2122.4
75°	14058.5	14126.8	15148.6	19556.3	24232.0	24310.8	19004.7	7494.2	2860.6	1791.5	1358.0
77.5°	6052.1	6433.0	8447.7	13777.4	17355.1	17110.8	9795.2	3036.6	1526.2	1276.6	1040.2
80°	1746.8	1896.5	3010.3	6551.2	10399.4	10215.5	3877.1	1137.4	1063.8	958.8	746.0
82.5°	564.8	625.2	1103.2	2608.4	4659.9	4654.6	1471.0	672.5	696.1	651.4	480.7
85°	157.6	181.2	338.9	790.7	1442.1	1413.2	425.5	317.8	370.4	375.6	239.0
87.5°	0.0	0.0	2.6	5.3	5.3	5.3	10.5	47.3	107.7	136.6	97.2
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°	5180.0	5180.0	5180.0	5180.0	5180.0	5180.0	5180.0	5180.0	5180.0	5180.0	5180.0
2.5°	5211.5	5203.6	5311.3	5395.4	5474.2	5526.7	5542.5	5553.0	5574.0	5584.5	5574.0
5°	5248.3	5287.7	5466.3	5597.7	5702.7	5765.8	5768.4	5763.1	5778.9	5765.8	5757.9
7.5°	5327.1	5403.3	5629.2	5768.4	5836.7	5839.3	5776.3	5702.7	5666.0	5634.4	5623.9
10°	5432.2	5545.1	5792.0	5884.0	5863.0	5765.8	5626.5	5511.0	5445.3	5398.0	5387.5
12.5°	5576.6	5702.7	5936.5	5933.9	5802.5	5629.2	5466.3	5327.1	5232.5	5177.4	5159.0
15°	5713.2	5873.5	6041.6	5918.1	5710.6	5500.5	5290.3	5103.8	4977.7	4891.1	4875.3
17.5°	5881.3	6052.1	6117.8	5868.2	5595.0	5324.5	5043.4	4799.1	4628.4	4525.9	4518.1
20°	6075.7	6228.1	6154.5	5781.5	5445.3	5090.7	4709.8	4436.6	4252.7	4152.9	4160.8
22.5°	6301.6	6412.0	6165.0	5663.3	5237.8	4759.7	4334.2	4071.5	3948.0	3895.5	3898.1
25°	6543.3	6614.2	6146.6	5503.1	4919.9	4355.2	3948.0	3827.2	3816.7	3803.6	3808.8
27.5°	6829.6	6813.9	6091.5	5277.2	4491.8	3885.0	3677.5	3709.0	3751.0	3745.8	3751.0
30°	7213.1	7063.4	6020.6	4964.6	3982.2	3491.0	3517.2	3606.6	3661.7	3667.0	3682.7
32.5°	7651.8	7339.2	5907.6	4539.1	3496.2	3270.3	3367.5	3475.2	3540.9	3554.0	3575.0
35°	8174.5	7654.4	5708.0	4008.5	3146.9	3139.0	3228.3	3301.9	3372.8	3378.0	3378.0
37.5°	8776.1	7969.6	5390.1	3422.7	2931.5	3026.0	3110.1	3125.9	3144.2	3128.5	3136.4
40°	9327.7	8274.3	4938.3	2889.5	2755.5	2926.2	2997.1	2944.6	2886.8	2847.4	2855.3
42.5°	9790.0	8481.9	4339.4	2516.4	2576.9	2836.9	2892.1	2784.4	2671.4	2597.9	2608.4
45°	10310.1	8673.6	3635.5	2264.3	2424.5	2773.9	2810.6	2671.4	2527.0	2416.6	2400.9
47.5°	11027.2	9065.0	3010.3	2088.3	2316.8	2739.7	2800.1	2611.0	2421.9	2256.4	2238.0
50°	11912.4	9619.2	2487.6	1972.7	2266.9	2721.3	2797.5	2545.3	2319.4	2125.1	2111.9
52.5°	12879.1	10160.4	2101.4	1883.4	2217.0	2666.2	2784.4	2471.8	2211.7	2001.6	1985.8
55°	13522.6	10373.1	1841.4	1799.3	2135.6	2579.5	2731.8	2400.9	2048.9	1857.1	1833.5
57.5°	13711.8	10099.9	1660.1	1723.2	2030.5	2458.7	2632.0	2251.1	1949.1	1796.7	1778.3
60°	13386.0	9411.7	1547.2	1660.1	1914.9	2303.7	2458.7	2164.5	1870.3	1733.7	1720.5
62.5°	12466.7	8350.5	1460.5	1594.5	1796.7	2140.8	2348.3	2059.4	1783.6	1675.9	1657.5
65°	10617.4	6848.0	1389.6	1526.2	1683.8	1985.8	2227.5	1954.3	1689.0	1607.6	1586.6
67.5°	7425.9	4809.6	1313.4	1444.7	1570.8	1836.1	2101.4	1857.1	1591.8	1531.4	1510.4
70°	3630.2	2550.6	1221.4	1350.2	1450.0	1683.8	1975.3	1738.9	1463.1	1429.0	1400.1
72.5°	1728.4	1426.3	1113.8	1221.4	1284.5	1481.5	1765.2	1568.2	1310.8	1237.2	1187.3
75°	1158.4	1013.9	971.9	1069.1	1084.9	1242.5	1513.0	1352.8	1155.8	1071.7	1029.7
77.5°	877.3	774.9	816.9	903.6	872.1	1021.8	1245.1	1205.7	1042.8	966.7	945.6
80°	617.3	564.8	648.8	701.3	677.7	869.5	1121.6	1032.3	859.0	774.9	759.1
82.5°	388.8	378.3	478.1	486.0	493.8	688.2	922.0	811.7	667.2	549.0	509.6
85°	194.4	215.4	286.3	286.3	283.7	354.6	525.4	457.1	359.9	286.3	278.4
87.5°	65.7	91.9	123.5	99.8	76.2	60.4	68.3	84.1	89.3	86.7	86.7
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)