

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: P637319

Luminaire Tested: GWS-SA4C-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-750-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16628.8 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 128.5
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

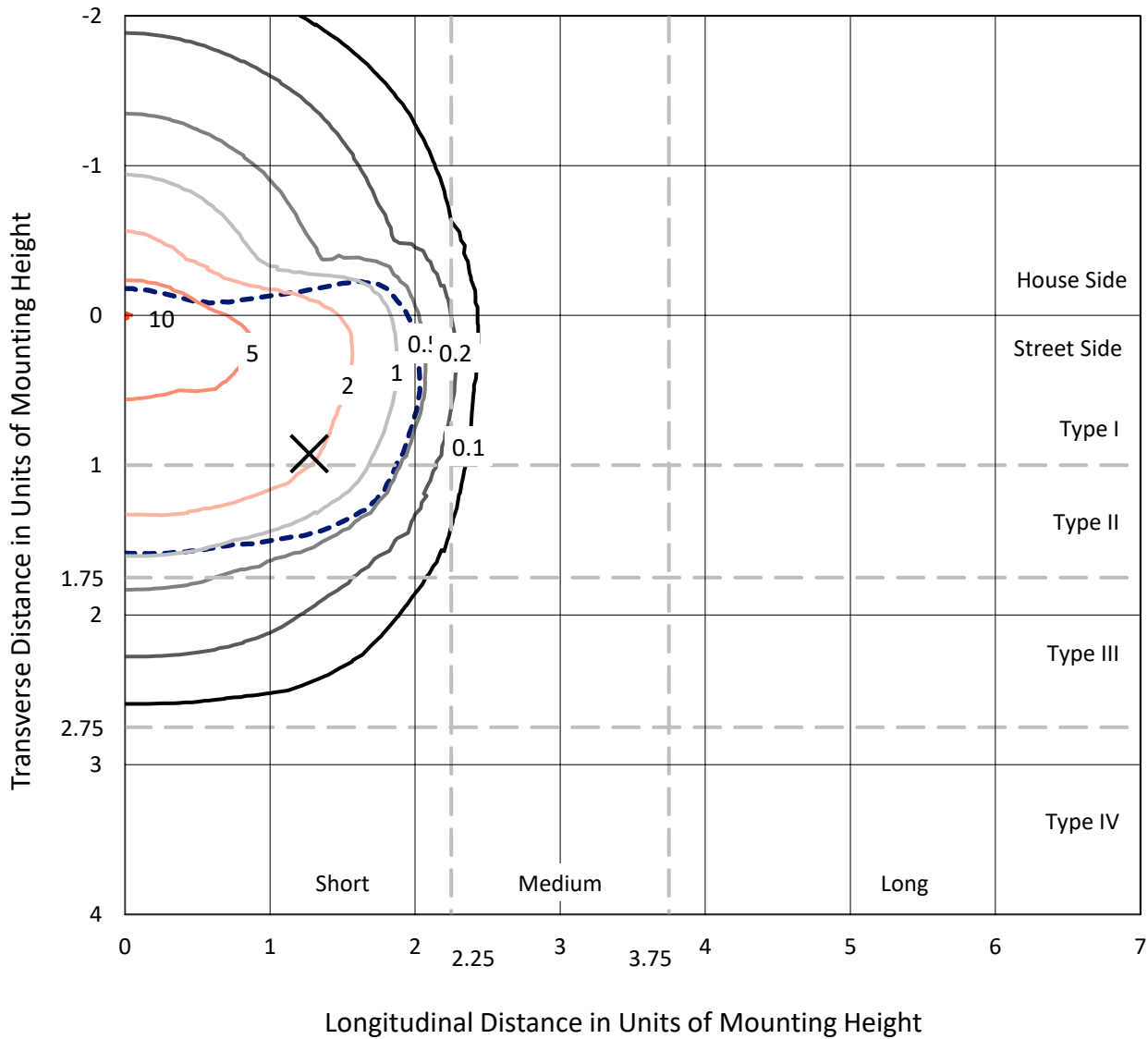


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Iso-Footcandle Lines of Horizontal Illumination

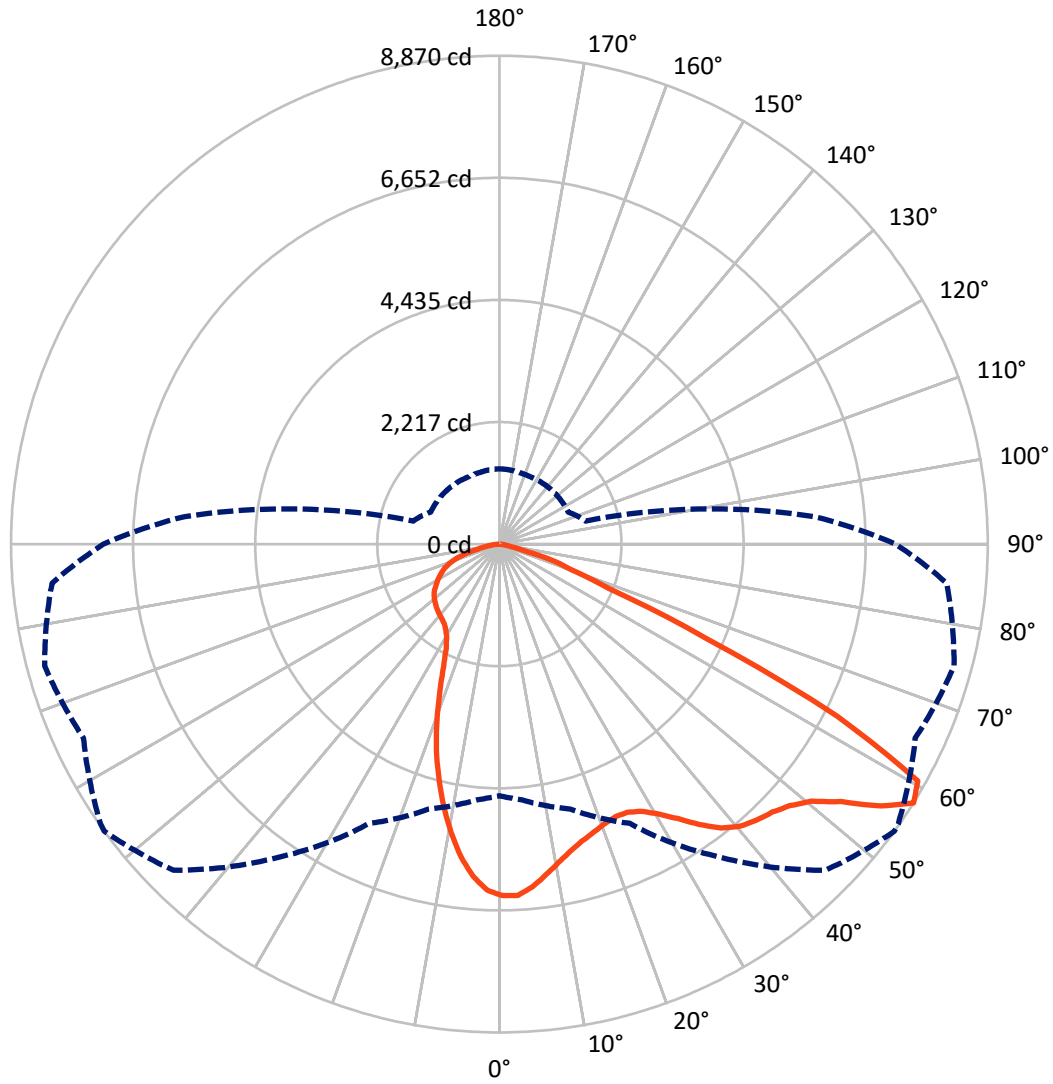
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4834.2	0.0	4834.2
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	11794.6	0.0	11794.6
	% Fixture	70.9	0.0	70.9
Total	Lumens	16628.8	0.0	16628.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	561.2	3.4
10°-20°	1339.0	8.1
20°-30°	1853.0	11.1
30°-40°	2574.7	15.5
40°-50°	3400.4	20.4
50°-60°	4040.9	24.3
60°-70°	2238.7	13.5
70°-80°	557.5	3.4
80°-90°	63.4	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°	16628.8	100.0
0°-180°	16628.8	100.0

Coefficient of Utilization



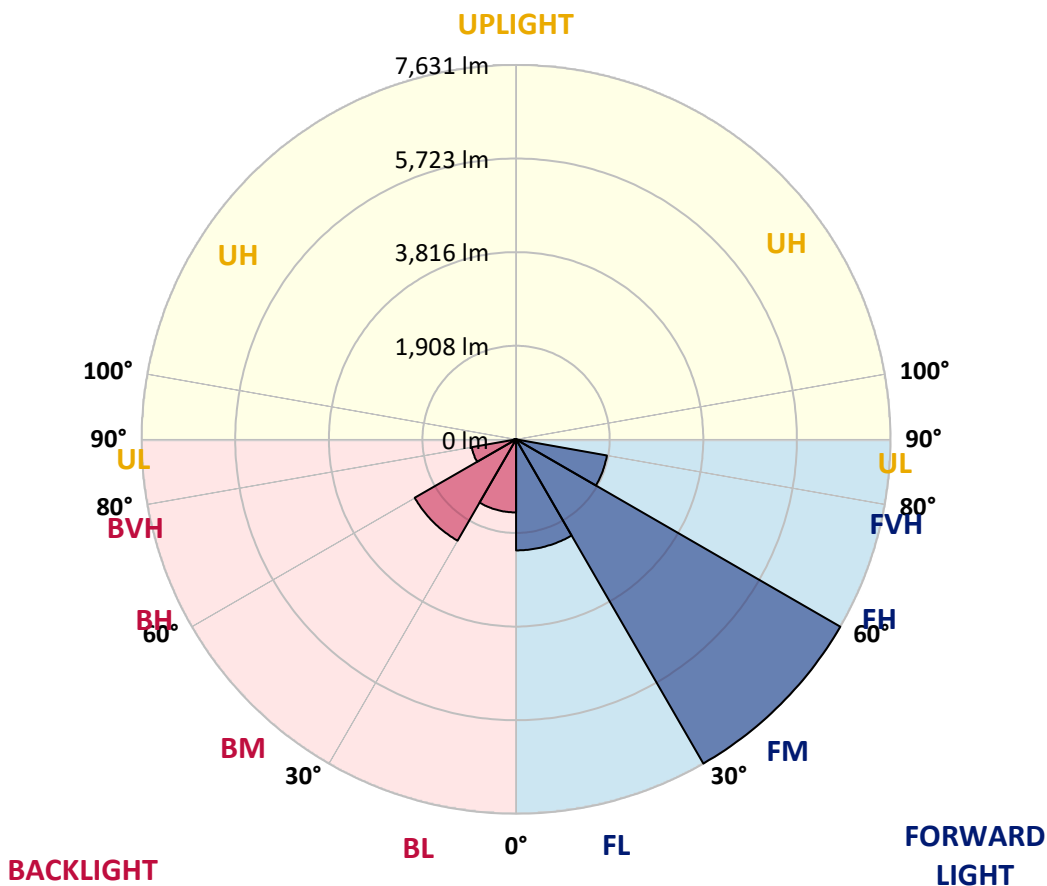
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2263.4	13.6			
FM (30°-60°)	7631.2	45.9			
FH (60°-80°)	1880.1	11.3			G2/5000
FVH (80°-90°)	19.8	0.1			G1/100
BL (0°-30°)	1489.7	9.0	B3/2500		
BM (30°-60°)	2384.8	14.3	B2/2500		
BH (60°-80°)	916.1	5.5	B2/1000		G2/1000
BVH (80°-90°)	43.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	6384.2	6384.2	6384.2	6384.2	6384.2	6384.2	6384.2	6384.2	6384.2	6384.2	6384.2
2.5°	6264.6	6277.4	6286.0	6315.8	6341.5	6364.2	6388.4	6388.4	6387.0	6382.8	6374.2
5°	6016.9	6031.2	6051.1	6092.4	6147.9	6187.7	6253.2	6258.9	6287.4	6298.8	6293.1
7.5°	5729.4	5733.7	5759.3	5813.4	5901.6	5972.8	6066.7	6078.1	6146.5	6186.3	6179.2
10°	5414.8	5400.6	5446.1	5525.8	5641.1	5760.7	5881.7	5891.7	6001.3	6076.7	6071.0
12.5°	5127.3	5128.7	5174.2	5271.0	5414.8	5562.8	5725.1	5747.9	5883.1	5979.9	5969.9
15°	4886.7	4892.4	4947.9	5057.5	5221.2	5397.7	5599.9	5621.2	5792.0	5920.1	5891.7
17.5°	4694.5	4700.2	4748.6	4873.9	5049.0	5262.5	5508.8	5530.1	5742.2	5894.5	5836.1
20°	4562.2	4559.3	4606.3	4725.9	4906.6	5138.7	5429.0	5460.4	5726.5	5904.5	5799.1
22.5°	4508.1	4506.6	4540.8	4639.0	4808.4	5043.3	5380.6	5423.3	5743.6	5948.6	5776.4
25°	4535.1	4529.4	4559.3	4631.9	4767.1	5006.3	5394.9	5440.4	5816.2	6039.7	5780.6
27.5°	4619.1	4612.0	4637.6	4703.1	4805.6	5044.7	5494.5	5547.2	5969.9	6206.2	5837.6
30°	4747.2	4742.9	4768.6	4831.2	4920.9	5172.8	5685.3	5745.0	6207.7	6465.3	5961.4
32.5°	4896.7	4889.6	4935.1	5007.7	5111.6	5406.3	5941.5	6019.8	6489.5	6798.4	6169.2
35°	5064.6	5058.9	5121.6	5226.9	5376.4	5730.8	6251.8	6337.2	6777.0	7175.6	6445.4
37.5°	5228.3	5228.3	5349.3	5505.9	5693.8	6083.8	6543.6	6597.7	6976.3	7510.1	6741.5
40°	5373.5	5382.1	5564.3	5799.1	6038.3	6402.7	6735.8	6781.3	7064.6	7740.7	6999.1
42.5°	5534.4	5541.5	5753.6	6061.1	6345.7	6660.3	6852.5	6875.3	7081.7	7856.0	7181.3
45°	5662.5	5672.4	5935.8	6264.6	6613.3	6853.9	6945.0	6964.9	7105.9	7918.7	7313.7
47.5°	5729.4	5743.6	6045.4	6428.3	6794.1	7027.6	7097.3	7105.9	7205.5	8028.3	7473.1
50°	5718.0	5746.5	6086.7	6509.4	6927.9	7202.7	7342.2	7356.4	7409.1	8189.1	7659.6
52.5°	5819.1	5831.9	6174.9	6606.2	7118.7	7525.8	7767.8	7787.7	7763.5	8310.1	7770.6
55°	5651.1	5712.3	6065.3	6592.0	7409.1	8025.4	8398.4	8388.4	8085.2	8445.3	7955.7
57.5°	4570.7	4660.4	4983.5	5595.6	6930.8	8375.6	8869.5	8845.3	8334.3	8549.2	8156.4
60°	3164.3	3178.6	3470.4	3904.5	5349.3	7399.1	8731.4	8784.1	8379.9	8418.3	7784.8
62.5°	2530.9	2526.6	2553.7	2565.1	3402.0	5201.3	6892.3	7084.5	6962.1	6559.3	5517.3
65°	2160.8	2176.5	2256.2	2214.9	2220.6	2929.5	4118.0	4145.1	4059.7	3914.5	2918.1
67.5°	1691.1	1718.1	1859.0	2019.9	1968.6	1886.1	2136.6	2123.8	1674.0	1295.3	1070.4
70°	1059.0	1076.1	1227.0	1585.7	1713.8	1548.7	1373.6	1367.9	896.8	737.3	808.5
72.5°	617.8	620.6	663.3	884.0	1137.3	1059.0	1010.6	973.6	576.5	587.9	644.8
75°	340.2	340.2	338.8	381.5	448.4	397.1	384.3	374.4	385.8	437.0	479.7
77.5°	71.2	72.6	76.9	101.1	131.0	159.4	200.7	202.1	252.0	291.8	326.0
80°	32.7	34.2	42.7	54.1	69.7	92.5	122.4	123.8	152.3	183.6	206.4
82.5°	17.1	18.5	22.8	28.5	37.0	48.4	68.3	68.3	91.1	108.2	122.4
85°	5.7	5.7	8.5	11.4	15.7	19.9	27.0	27.0	39.9	52.7	61.2
87.5°	0.0	0.0	0.0	0.0	1.4	2.8	5.7	5.7	7.1	8.5	14.2
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°	6384.2	6384.2	6384.2	6384.2	6384.2	6384.2	6384.2	6384.2	6384.2	6384.2	6384.2
2.5°	6355.7	6311.6	6313.0	6321.5	6294.5	6253.2	6226.2	6192.0	6170.7	6166.4	6182.0
5°	6264.6	6213.4	6177.8	6140.8	6063.9	5972.8	5901.6	5843.3	5804.8	5790.6	5773.5
7.5°	6139.3	6072.4	5982.8	5878.8	5739.4	5577.1	5463.2	5356.4	5282.4	5261.1	5251.1
10°	6014.1	5917.3	5757.9	5564.3	5332.2	5113.0	4906.6	4748.6	4623.4	4552.2	4575.0
12.5°	5884.5	5765.0	5515.9	5218.4	4895.2	4565.0	4294.5	4032.6	3830.5	3729.4	3699.5
15°	5770.7	5608.4	5261.1	4858.2	4428.4	4012.7	3621.3	3228.4	2972.2	2832.7	2794.2
17.5°	5673.9	5463.2	4992.0	4491.0	3977.1	3385.0	2903.8	2539.4	2364.4	2287.5	2281.8
20°	5578.5	5320.9	4725.9	4095.3	3456.1	2792.8	2362.9	2192.1	2129.5	2102.4	2101.0
22.5°	5493.1	5171.4	4445.4	3699.5	2938.0	2347.3	2111.0	2037.0	2019.9	2019.9	2017.0
25°	5420.5	5021.9	4157.9	3279.6	2469.7	2089.6	1980.0	1948.7	1955.8	1968.6	1970.1
27.5°	5390.6	4905.2	3880.3	2848.3	2146.6	1940.2	1890.3	1886.1	1906.0	1925.9	1928.8
30°	5421.9	4825.5	3595.6	2435.5	1953.0	1849.1	1826.3	1834.8	1859.0	1879.0	1879.0
32.5°	5518.7	4785.6	3305.3	2133.8	1840.5	1785.0	1777.9	1786.4	1804.9	1816.3	1817.7
35°	5682.4	4801.3	3004.9	1930.2	1767.9	1738.0	1736.6	1742.3	1749.4	1756.5	1758.0
37.5°	5888.8	4871.0	2683.2	1812.1	1721.0	1703.9	1701.0	1699.6	1701.0	1701.0	1702.4
40°	6090.9	4976.4	2395.7	1742.3	1688.2	1674.0	1666.9	1656.9	1655.5	1652.6	1651.2
42.5°	6240.4	5057.5	2166.5	1692.5	1658.3	1641.2	1632.7	1617.0	1615.6	1614.2	1612.8
45°	6352.9	5125.8	1975.7	1644.1	1627.0	1611.3	1592.8	1578.6	1581.5	1584.3	1584.3
47.5°	6479.5	5185.6	1836.3	1598.5	1588.6	1572.9	1550.1	1540.2	1550.1	1560.1	1560.1
50°	6633.3	5269.6	1722.4	1553.0	1548.7	1530.2	1510.3	1506.0	1517.4	1531.6	1531.6
52.5°	6745.7	5342.2	1641.2	1507.4	1507.4	1483.2	1466.2	1464.7	1477.5	1491.8	1493.2
55°	6956.4	5511.6	1612.8	1454.8	1449.1	1430.6	1417.8	1407.8	1423.5	1436.3	1436.3
57.5°	7194.1	5736.5	1619.9	1379.3	1372.2	1366.5	1356.5	1345.2	1349.4	1363.7	1365.1
60°	6690.2	5300.9	1541.6	1303.9	1299.6	1296.8	1284.0	1264.0	1269.7	1281.1	1282.5
62.5°	4673.2	3523.0	1246.9	1209.9	1224.2	1222.7	1205.7	1182.9	1184.3	1200.0	1200.0
65°	2425.6	1906.0	1094.6	1124.5	1145.9	1137.3	1108.9	1088.9	1086.1	1106.0	1101.8
67.5°	1046.2	1040.5	996.4	1034.8	1057.6	1039.1	1009.2	976.5	979.3	986.5	980.8
70°	842.7	868.3	886.8	928.1	946.6	912.4	879.7	861.2	845.5	844.1	834.1
72.5°	673.3	708.9	750.2	792.9	798.6	764.4	723.1	706.0	681.8	680.4	670.4
75°	506.7	536.6	569.4	603.5	603.5	570.8	543.8	535.2	506.7	498.2	489.7
77.5°	345.9	364.4	390.0	398.6	407.1	394.3	367.3	353.0	320.3	311.7	300.3
80°	217.8	230.6	246.3	252.0	260.5	244.8	223.5	207.8	185.0	177.9	172.2
82.5°	131.0	139.5	149.5	152.3	159.4	148.0	128.1	116.7	103.9	98.2	93.9
85°	66.9	71.2	76.9	78.3	76.9	65.5	58.4	52.7	44.1	42.7	39.9
87.5°	17.1	19.9	21.4	19.9	18.5	14.2	10.0	7.1	2.8	2.8	1.4
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)