

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: P637374

Luminaire Tested: GWS-SA4C-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637374
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16400.9 lumens
Efficiency: N/A
Efficacy: 127.6 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

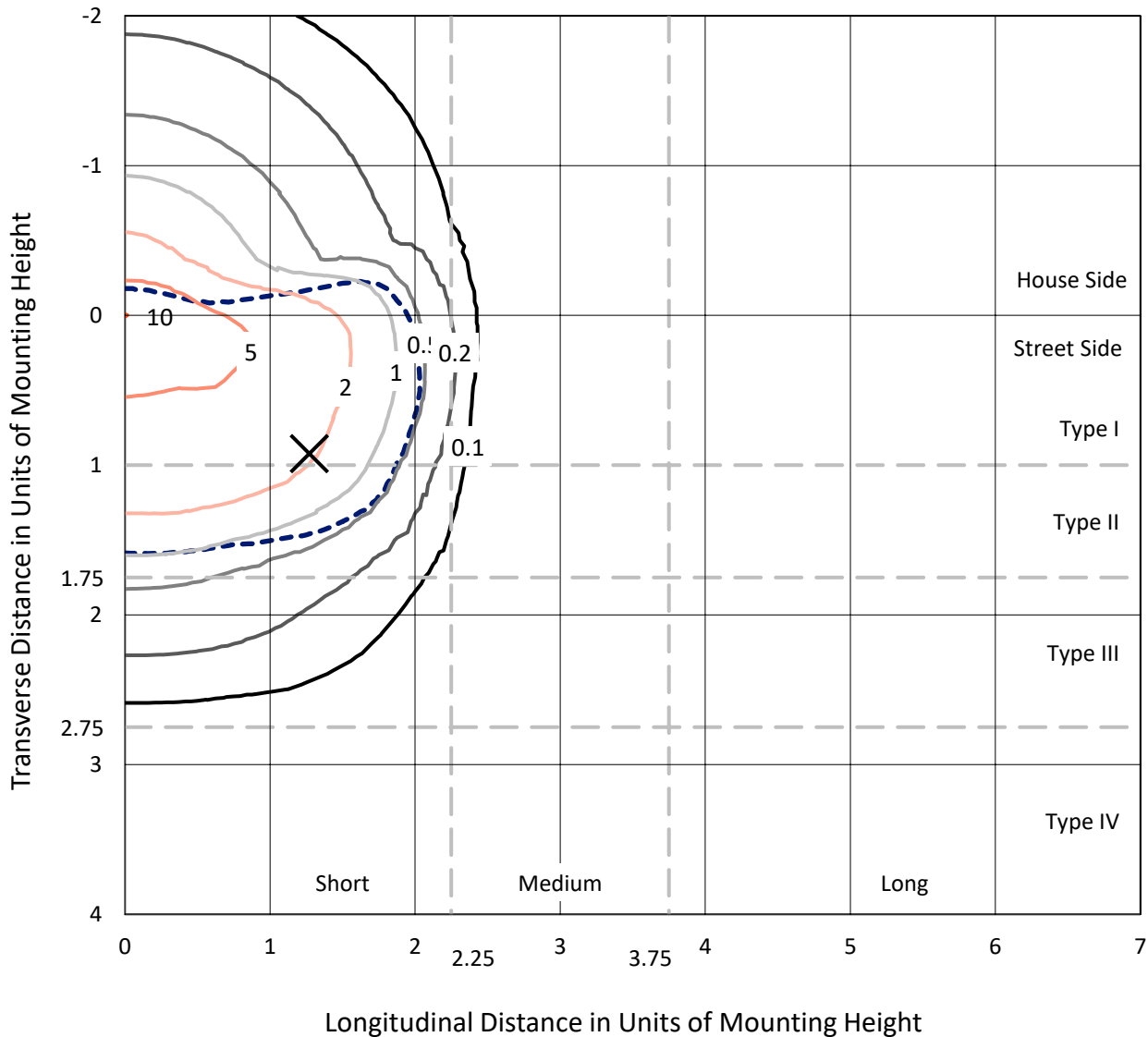


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

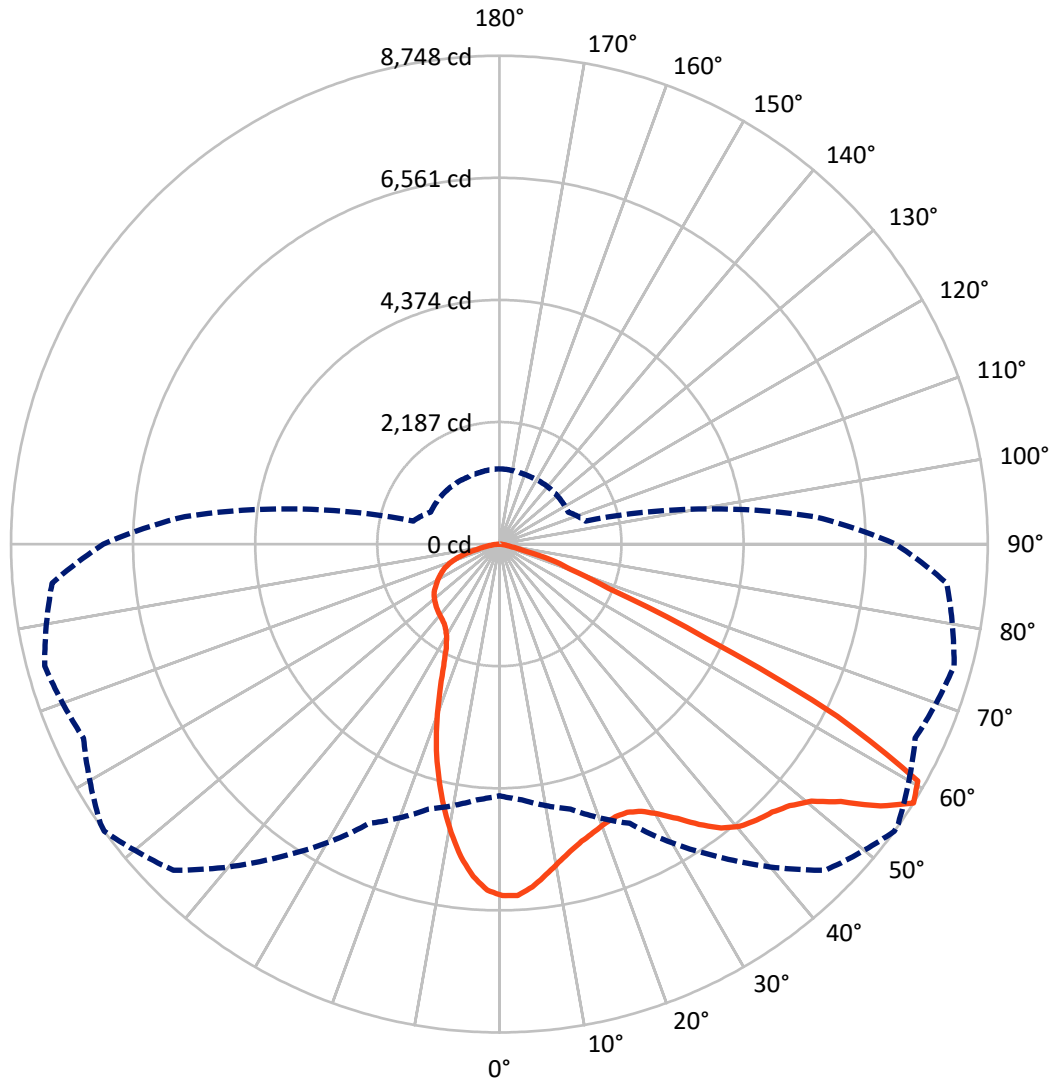


Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type II - Short - N/A

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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	4767.9	0.0	4767.9
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	11633.0	0.0	11633.0
	% Fixture	70.9	0.0	70.9
Total	Lumens	16400.9	0.0	16400.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	553.5	3.4
10°-20°	1320.7	8.1
20°-30°	1827.6	11.1
30°-40°	2539.4	15.5
40°-50°	3353.8	20.4
50°-60°	3985.5	24.3
60°-70°	2208.0	13.5
70°-80°	549.8	3.4
80°-90°	62.5	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°	16400.9	100.0
0°-180°	16400.9	100.0

Coefficient of Utilization



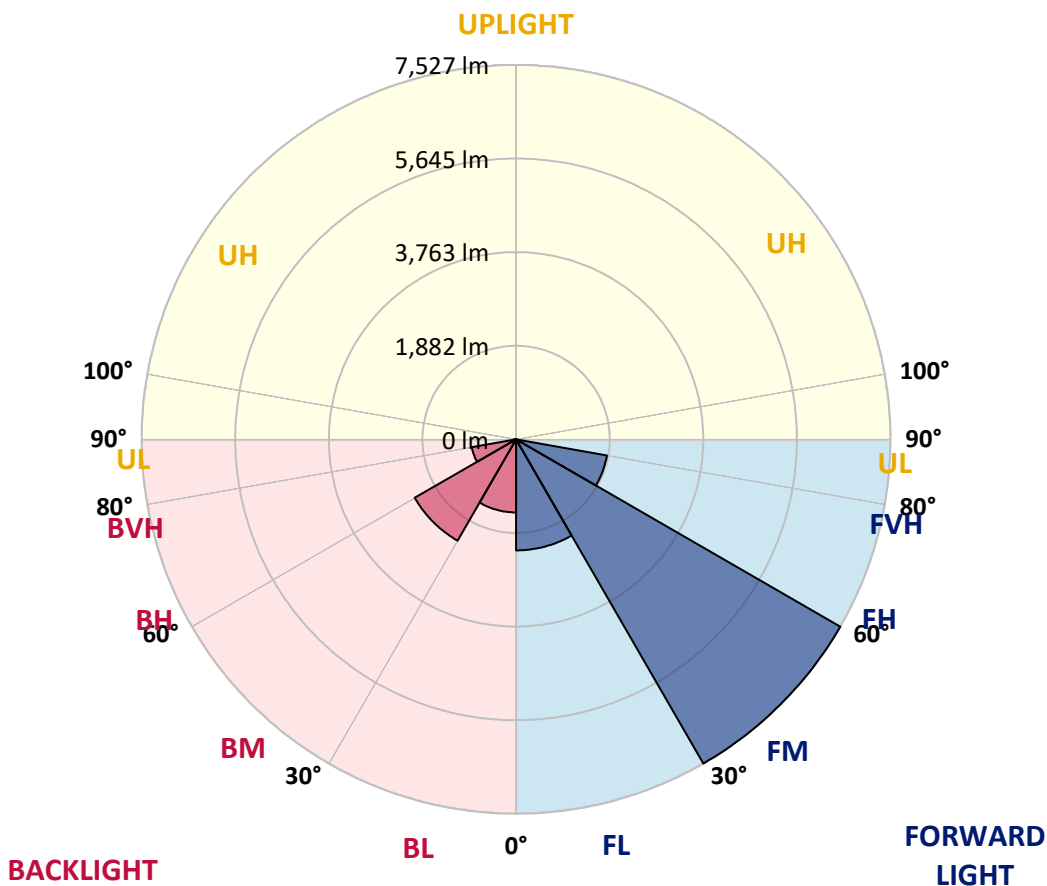
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2232.4	13.6			
FM (30°-60°)	7526.6	45.9			
FH (60°-80°)	1854.3	11.3			G2/5000
FVH (80°-90°)	19.6	0.1			G1/100
BL (0°-30°)	1469.3	9.0	B3/2500		
BM (30°-60°)	2352.1	14.3	B2/2500		
BH (60°-80°)	903.6	5.5	B2/1000		G2/1000
BVH (80°-90°)	43.0	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°	6296.7	6296.7	6296.7	6296.7	6296.7	6296.7	6296.7	6296.7	6296.7	6296.7	6296.7
2.5°	6178.7	6191.4	6199.8	6229.3	6254.6	6277.0	6300.9	6300.9	6299.5	6295.3	6286.9
5°	5934.5	5948.5	5968.2	6008.9	6063.6	6102.9	6167.5	6173.1	6201.2	6212.4	6206.8
7.5°	5650.9	5655.1	5680.3	5733.7	5820.7	5890.9	5983.6	5994.8	6062.2	6101.5	6094.5
10°	5340.6	5326.6	5371.5	5450.1	5563.8	5681.8	5801.1	5810.9	5919.0	5993.4	5987.8
12.5°	5057.0	5058.4	5103.3	5198.8	5340.6	5486.6	5646.7	5669.1	5802.5	5898.0	5888.1
15°	4819.7	4825.3	4880.1	4988.2	5149.7	5323.7	5523.1	5544.2	5712.6	5839.0	5810.9
17.5°	4630.2	4635.8	4683.5	4807.1	4979.8	5190.4	5433.3	5454.3	5663.5	5813.7	5756.2
20°	4499.6	4496.8	4543.2	4661.1	4839.4	5068.2	5354.6	5385.5	5648.1	5823.5	5719.7
22.5°	4446.3	4444.9	4478.6	4575.4	4742.5	4974.2	5306.9	5349.0	5664.9	5867.1	5697.2
25°	4473.0	4467.3	4496.8	4568.4	4701.8	4937.7	5320.9	5365.9	5736.5	5956.9	5701.4
27.5°	4555.8	4548.8	4574.0	4638.6	4739.7	4975.6	5419.2	5471.2	5888.1	6121.2	5757.6
30°	4682.1	4677.9	4703.2	4765.0	4853.4	5101.9	5607.3	5666.3	6122.6	6376.7	5879.7
32.5°	4829.6	4822.5	4867.5	4939.1	5041.6	5332.2	5860.1	5937.3	6400.6	6705.2	6084.7
35°	4995.2	4989.6	5051.4	5155.3	5302.7	5652.3	6166.1	6250.3	6684.2	7077.3	6357.0
37.5°	5156.7	5156.7	5276.0	5430.4	5615.8	6000.4	6453.9	6507.3	6880.7	7407.2	6649.1
40°	5299.9	5308.3	5488.0	5719.7	5955.5	6314.9	6643.5	6688.4	6967.8	7634.6	6903.2
42.5°	5458.5	5465.5	5674.7	5978.0	6258.8	6569.0	6758.6	6781.0	6984.6	7748.4	7082.9
45°	5584.9	5594.7	5854.4	6178.7	6522.7	6760.0	6849.8	6869.5	7008.5	7810.1	7213.5
47.5°	5650.9	5664.9	5962.5	6340.2	6701.0	6931.3	7000.1	7008.5	7106.8	7918.2	7370.7
50°	5639.6	5667.7	6003.3	6420.2	6833.0	7103.9	7241.5	7255.6	7307.5	8076.9	7554.6
52.5°	5739.3	5751.9	6090.3	6515.7	7021.1	7422.6	7661.3	7681.0	7657.1	8196.2	7664.1
55°	5573.6	5634.0	5982.2	6501.7	7307.5	7915.4	8283.3	8273.4	7974.4	8329.6	7846.6
57.5°	4508.1	4596.5	4915.2	5518.9	6835.8	8260.8	8748.0	8724.1	8220.1	8432.1	8044.6
60°	3121.0	3135.0	3422.8	3851.0	5276.0	7297.7	8611.8	8663.7	8265.0	8302.9	7678.2
62.5°	2496.2	2492.0	2518.7	2529.9	3355.4	5130.0	6797.9	6987.4	6866.7	6469.4	5441.7
65°	2131.2	2146.6	2225.2	2184.5	2190.1	2889.3	4061.6	4088.3	4004.0	3860.8	2878.1
67.5°	1667.9	1694.6	1833.5	1992.2	1941.7	1860.2	2107.3	2094.7	1651.0	1277.6	1055.8
70°	1044.5	1061.4	1210.2	1564.0	1690.3	1527.5	1354.8	1349.2	884.5	727.2	797.4
72.5°	609.3	612.1	654.2	871.8	1121.7	1044.5	996.8	960.3	568.6	579.8	636.0
75°	335.5	335.5	334.1	376.3	442.2	391.7	379.1	369.2	380.5	431.0	473.1
77.5°	70.2	71.6	75.8	99.7	129.2	157.2	198.0	199.4	248.5	287.8	321.5
80°	32.3	33.7	42.1	53.3	68.8	91.3	120.7	122.1	150.2	181.1	203.6
82.5°	16.8	18.3	22.5	28.1	36.5	47.7	67.4	67.4	89.9	106.7	120.7
85°	5.6	5.6	8.4	11.2	15.4	19.7	26.7	26.7	39.3	51.9	60.4
87.5°	0.0	0.0	0.0	0.0	1.4	2.8	5.6	5.6	7.0	8.4	14.0
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°	6296.7	6296.7	6296.7	6296.7	6296.7	6296.7	6296.7	6296.7	6296.7	6296.7	6296.7
2.5°	6268.6	6225.1	6226.5	6234.9	6208.2	6167.5	6140.8	6107.1	6086.1	6081.9	6097.3
5°	6178.7	6128.2	6093.1	6056.6	5980.8	5890.9	5820.7	5763.2	5725.3	5711.2	5694.4
7.5°	6055.2	5989.2	5900.8	5798.3	5660.7	5500.6	5388.3	5283.0	5210.0	5189.0	5179.1
10°	5931.7	5836.2	5678.9	5488.0	5259.2	5043.0	4839.4	4683.5	4560.0	4489.8	4512.3
12.5°	5803.9	5686.0	5440.3	5146.8	4828.2	4502.4	4235.7	3977.4	3778.0	3678.3	3648.8
15°	5691.6	5531.5	5189.0	4791.7	4367.7	3957.7	3571.6	3184.1	2931.4	2793.8	2755.9
17.5°	5596.1	5388.3	4923.6	4429.4	3922.6	3338.6	2864.0	2504.6	2331.9	2256.1	2250.5
20°	5502.0	5247.9	4661.1	4039.1	3408.8	2754.5	2330.5	2162.1	2100.3	2073.6	2072.2
22.5°	5417.8	5100.5	4384.5	3648.8	2897.7	2315.1	2082.0	2009.0	1992.2	1992.2	1989.4
25°	5346.2	4953.1	4100.9	3234.7	2435.8	2061.0	1952.9	1922.0	1929.0	1941.7	1943.1
27.5°	5316.7	4838.0	3827.1	2809.3	2117.1	1913.6	1864.4	1860.2	1879.9	1899.5	1902.3
30°	5347.6	4759.4	3546.4	2402.1	1926.2	1823.7	1801.3	1809.7	1833.5	1853.2	1853.2
32.5°	5443.1	4720.1	3260.0	2104.5	1815.3	1760.5	1753.5	1761.9	1780.2	1791.4	1792.8
35°	5604.5	4735.5	2963.7	1903.7	1743.7	1714.2	1712.8	1718.4	1725.4	1732.5	1733.9
37.5°	5808.1	4804.3	2646.4	1787.2	1697.4	1680.5	1677.7	1676.3	1677.7	1677.7	1679.1
40°	6007.5	4908.2	2362.8	1718.4	1665.1	1651.0	1644.0	1634.2	1632.8	1630.0	1628.6
42.5°	6154.9	4988.2	2136.8	1669.3	1635.6	1618.7	1610.3	1594.9	1593.5	1592.1	1590.7
45°	6265.8	5055.6	1948.7	1621.6	1604.7	1589.3	1571.0	1557.0	1559.8	1562.6	1562.6
47.5°	6390.7	5114.6	1811.1	1576.6	1566.8	1551.4	1528.9	1519.1	1528.9	1538.7	1538.7
50°	6542.4	5197.4	1698.8	1531.7	1527.5	1509.2	1489.6	1485.4	1496.6	1510.6	1510.6
52.5°	6653.3	5269.0	1618.7	1486.8	1486.8	1462.9	1446.1	1444.7	1457.3	1471.3	1472.7
55°	6861.1	5436.1	1590.7	1434.8	1429.2	1411.0	1398.3	1388.5	1403.9	1416.6	1416.6
57.5°	7095.5	5657.9	1597.7	1360.4	1353.4	1347.8	1338.0	1326.7	1330.9	1345.0	1346.4
60°	6598.5	5228.3	1520.5	1286.0	1281.8	1279.0	1266.4	1246.7	1252.3	1263.5	1265.0
62.5°	4609.1	3474.8	1229.9	1193.4	1207.4	1206.0	1189.1	1166.7	1168.1	1183.5	1183.5
65°	2392.3	1879.9	1079.6	1109.1	1130.2	1121.7	1093.7	1074.0	1071.2	1090.9	1086.7
67.5°	1031.9	1026.3	982.8	1020.7	1043.1	1024.9	995.4	963.1	965.9	972.9	967.3
70°	831.1	856.4	874.7	915.4	933.6	899.9	867.6	849.4	833.9	832.5	822.7
72.5°	664.1	699.2	739.9	782.0	787.6	753.9	713.2	696.4	672.5	671.1	661.3
75°	499.8	529.3	561.6	595.3	595.3	563.0	536.3	527.9	499.8	491.4	483.0
77.5°	341.2	359.4	384.7	393.1	401.5	388.9	362.2	348.2	315.9	307.5	296.2
80°	214.8	227.4	242.9	248.5	256.9	241.5	220.4	205.0	182.5	175.5	169.9
82.5°	129.2	137.6	147.4	150.2	157.2	146.0	126.4	115.1	102.5	96.9	92.7
85°	66.0	70.2	75.8	77.2	75.8	64.6	57.6	51.9	43.5	42.1	39.3
87.5°	16.8	19.7	21.1	19.7	18.3	14.0	9.8	7.0	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)