

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: P639519

Luminaire Tested: GWS-SA5C-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639519
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-SA5C-722-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14689 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

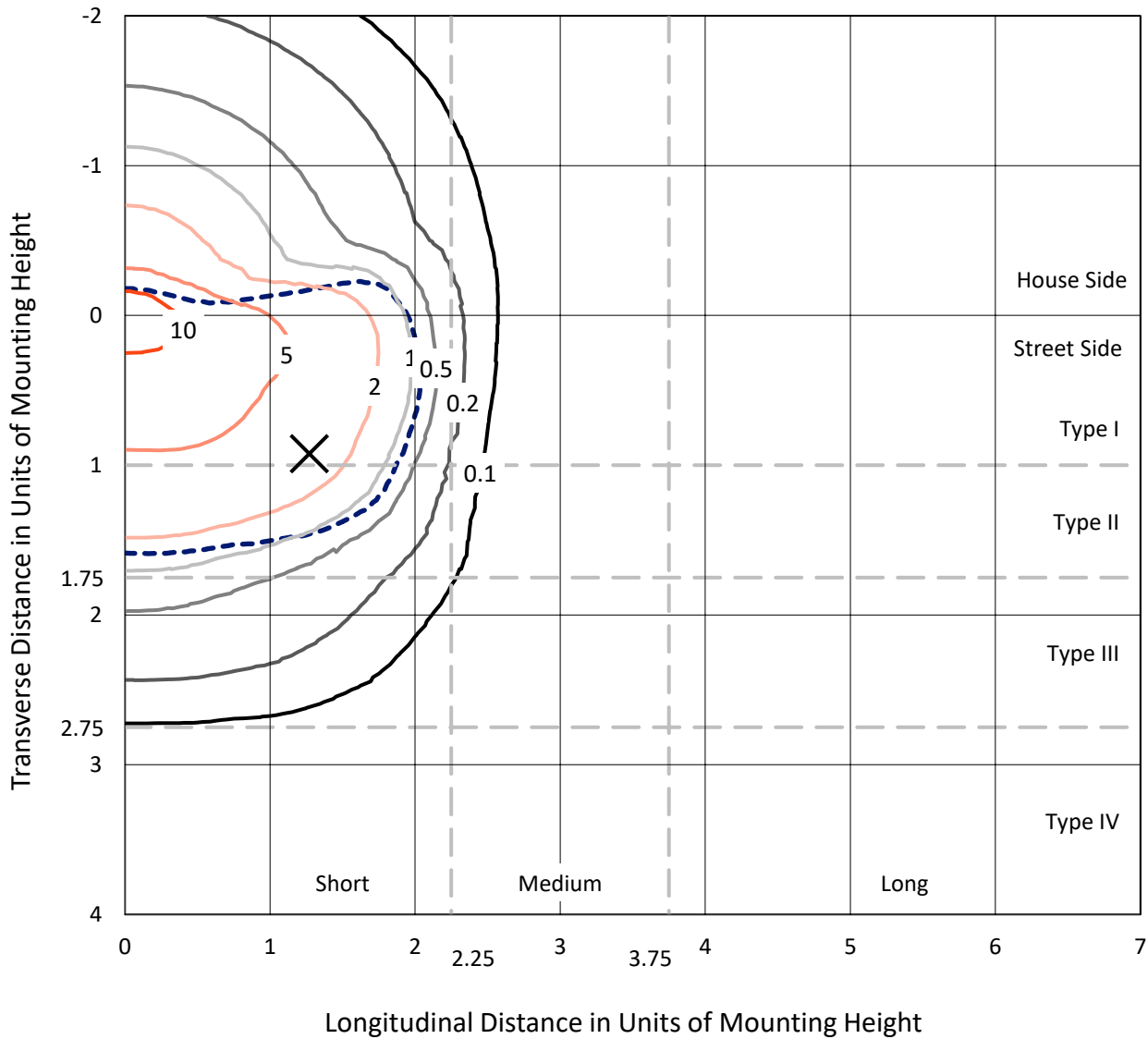
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

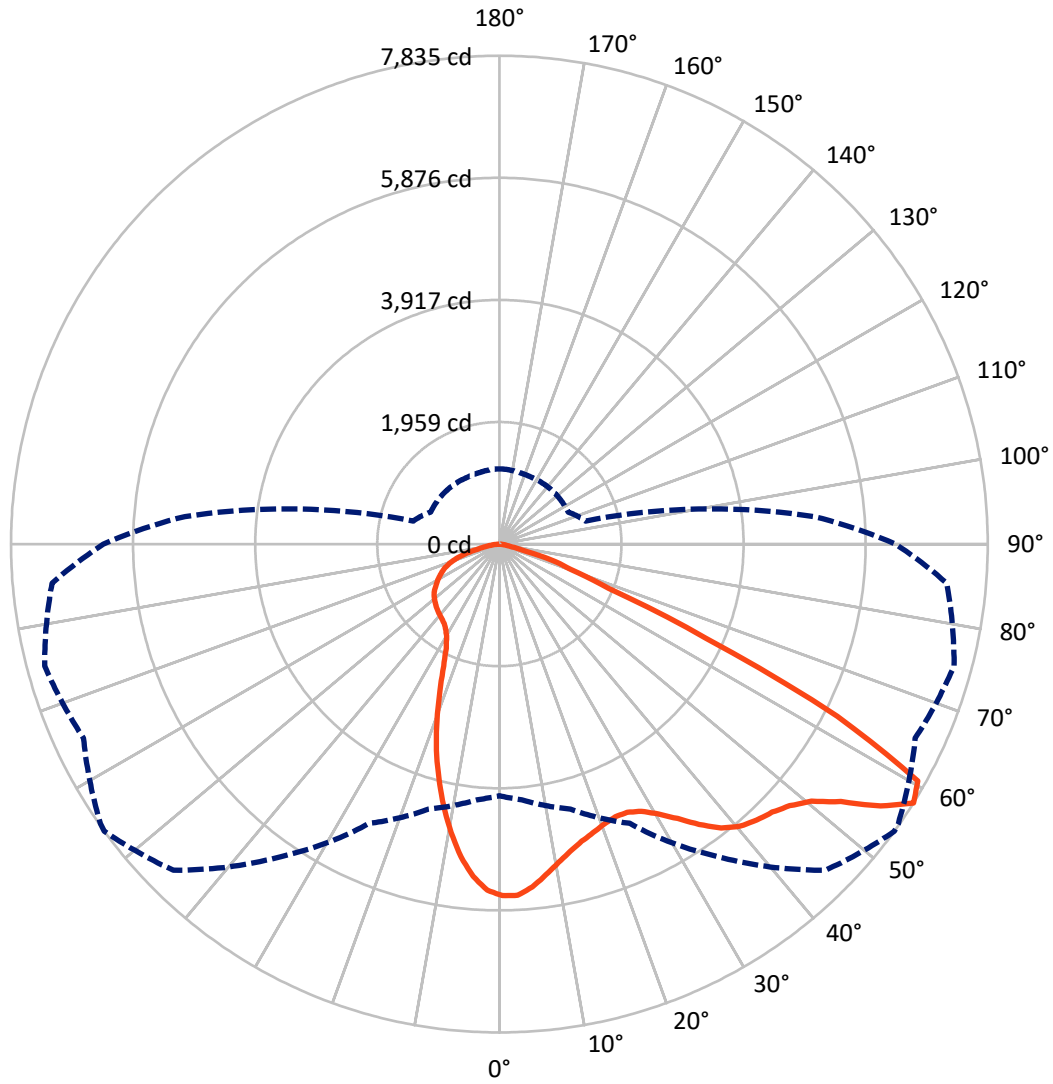
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 14.1 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	4270.3	0.0	4270.3
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	10418.7	0.0	10418.7
	% Fixture	70.9	0.0	70.9
Total	Lumens	14689.0	0.0	14689.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	495.7	3.4
10°-20°	1182.8	8.1
20°-30°	1636.8	11.1
30°-40°	2274.4	15.5
40°-50°	3003.8	20.4
50°-60°	3569.5	24.3
60°-70°	1977.6	13.5
70°-80°	492.5	3.4
80°-90°	56.0	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°	14689.0	100.0
0°-180°	14689.0	100.0

Coefficient of Utilization



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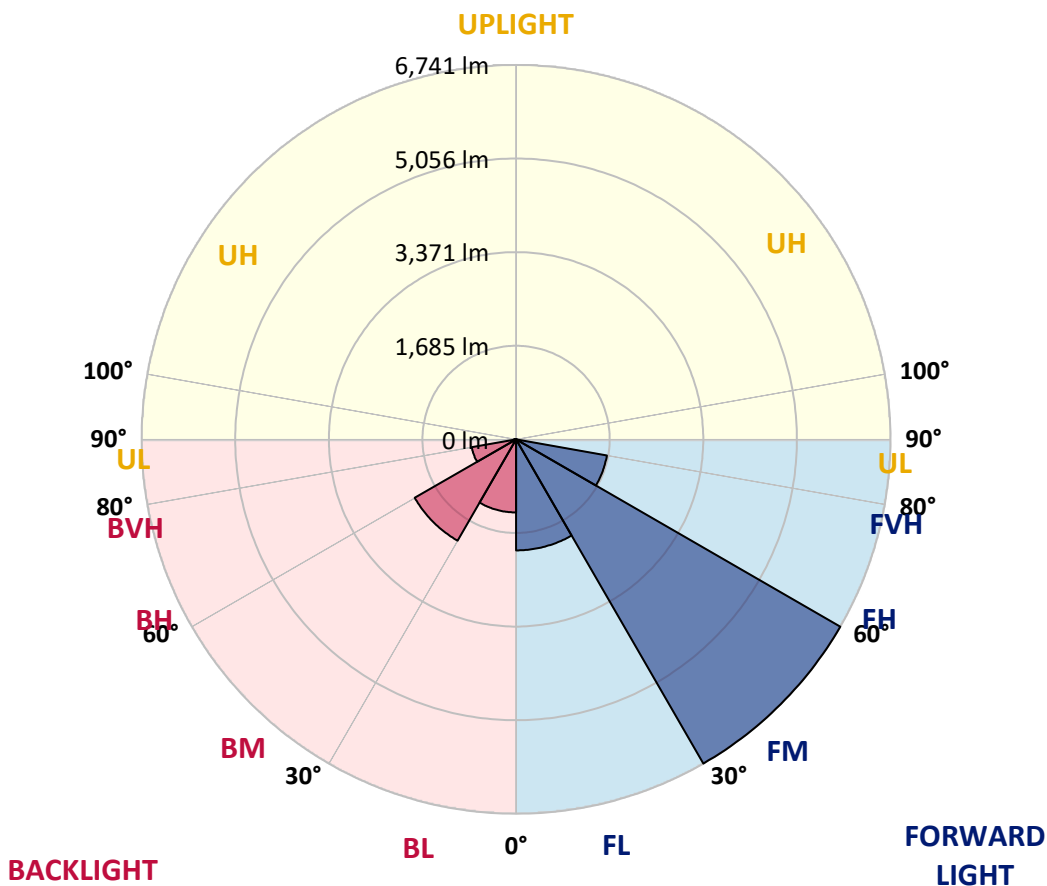
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1999.4	13.6			
FM (30°-60°)	6741.0	45.9			
FH (60°-80°)	1660.8	11.3			G1/1800
FVH (80°-90°)	17.5	0.1			G1/100
BL (0°-30°)	1315.9	9.0	B3/2500		
BM (30°-60°)	2106.6	14.3	B2/2500		
BH (60°-80°)	809.2	5.5	B2/1000		G2/1000
BVH (80°-90°)	38.5	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°	5639.4	5639.4	5639.4	5639.4	5639.4	5639.4	5639.4	5639.4	5639.4	5639.4	5639.4
2.5°	5533.8	5545.1	5552.7	5579.1	5601.7	5621.8	5643.2	5643.2	5642.0	5638.2	5630.6
5°	5315.0	5327.6	5345.2	5381.7	5430.7	5465.9	5523.8	5528.8	5553.9	5564.0	5559.0
7.5°	5061.0	5064.8	5087.4	5135.2	5213.2	5276.1	5359.0	5369.1	5429.5	5464.7	5458.4
10°	4783.2	4770.6	4810.8	4881.2	4983.1	5088.7	5195.6	5204.4	5301.2	5367.8	5362.8
12.5°	4529.2	4530.4	4570.7	4656.2	4783.2	4913.9	5057.3	5077.4	5196.8	5282.3	5273.5
15°	4316.7	4321.7	4370.7	4467.5	4612.1	4768.1	4946.6	4965.5	5116.4	5229.5	5204.4
17.5°	4146.9	4151.9	4194.7	4305.3	4460.0	4648.6	4866.1	4885.0	5072.4	5206.9	5155.3
20°	4030.0	4027.5	4068.9	4174.6	4334.3	4539.2	4795.7	4823.4	5058.5	5215.7	5122.6
22.5°	3982.2	3980.9	4011.1	4097.9	4247.5	4455.0	4753.0	4790.7	5073.6	5254.7	5102.5
25°	4006.1	4001.0	4027.5	4091.6	4211.0	4422.3	4765.5	4805.8	5137.7	5335.1	5106.3
27.5°	4080.3	4074.0	4096.6	4154.5	4245.0	4456.2	4853.6	4900.1	5273.5	5482.3	5156.6
30°	4193.4	4189.7	4212.3	4267.6	4346.8	4569.4	5022.1	5074.9	5483.5	5711.1	5266.0
32.5°	4325.5	4319.2	4359.4	4423.5	4515.3	4775.6	5248.4	5317.5	5732.5	6005.3	5449.6
35°	4473.8	4468.8	4524.1	4617.2	4749.2	5062.3	5522.5	5597.9	5986.5	6338.6	5693.5
37.5°	4618.4	4618.4	4725.3	4863.6	5029.6	5374.1	5780.3	5828.1	6162.5	6634.0	5955.0
40°	4746.7	4754.2	4915.2	5122.6	5333.9	5655.8	5950.0	5990.3	6240.5	6837.7	6182.6
42.5°	4888.8	4895.1	5082.4	5354.0	5605.5	5883.4	6053.1	6073.2	6255.6	6939.6	6343.6
45°	5001.9	5010.7	5243.4	5533.8	5841.9	6054.4	6134.9	6152.5	6276.9	6994.9	6460.5
47.5°	5061.0	5073.6	5340.2	5678.4	6001.6	6207.8	6269.4	6276.9	6365.0	7091.7	6601.4
50°	5051.0	5076.1	5376.6	5750.1	6119.8	6362.4	6485.7	6498.2	6544.8	7233.8	6766.1
52.5°	5140.3	5151.6	5454.6	5835.6	6288.3	6647.9	6861.6	6879.2	6857.9	7340.7	6864.1
55°	4991.9	5045.9	5357.8	5823.0	6544.8	7089.2	7418.7	7409.9	7142.0	7460.2	7027.6
57.5°	4037.5	4116.7	4402.2	4942.8	6122.3	7398.5	7834.9	7813.5	7362.1	7551.9	7204.9
60°	2795.2	2807.8	3065.5	3449.0	4725.3	6536.0	7712.9	7759.4	7402.3	7436.3	6876.7
62.5°	2235.7	2231.9	2255.8	2265.8	3005.2	4594.5	6088.3	6258.1	6149.9	5794.1	4873.7
65°	1908.7	1922.6	1993.0	1956.5	1961.5	2587.7	3637.7	3661.5	3586.1	3457.9	2577.7
67.5°	1493.8	1517.7	1642.2	1784.3	1739.0	1666.1	1887.4	1876.0	1478.7	1144.2	945.6
70°	935.5	950.6	1083.9	1400.7	1513.9	1368.1	1213.4	1208.4	792.2	651.3	714.2
72.5°	545.7	548.2	585.9	780.8	1004.7	935.5	892.8	860.1	509.2	519.3	569.6
75°	300.5	300.5	299.3	337.0	396.1	350.8	339.5	330.7	340.8	386.0	423.7
77.5°	62.9	64.1	67.9	89.3	115.7	140.8	177.3	178.6	222.6	257.8	287.9
80°	28.9	30.2	37.7	47.8	61.6	81.7	108.1	109.4	134.5	162.2	182.3
82.5°	15.1	16.3	20.1	25.1	32.7	42.8	60.4	60.4	80.5	95.6	108.1
85°	5.0	5.0	7.5	10.1	13.8	17.6	23.9	23.9	35.2	46.5	54.1
87.5°	0.0	0.0	0.0	0.0	1.3	2.5	5.0	5.0	6.3	7.5	12.6
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°	5639.4	5639.4	5639.4	5639.4	5639.4	5639.4	5639.4	5639.4	5639.4	5639.4	5639.4
2.5°	5614.3	5575.3	5576.6	5584.1	5560.2	5523.8	5499.9	5469.7	5450.8	5447.1	5460.9
5°	5533.8	5488.6	5457.1	5424.4	5356.5	5276.1	5213.2	5161.6	5127.7	5115.1	5100.0
7.5°	5423.2	5364.1	5284.9	5193.1	5069.8	4926.5	4825.9	4731.6	4666.2	4647.4	4638.5
10°	5312.5	5227.0	5086.2	4915.2	4710.2	4516.6	4334.3	4194.7	4084.0	4021.2	4041.3
12.5°	5198.1	5092.5	4872.4	4609.6	4324.2	4032.5	3793.6	3562.2	3383.7	3294.4	3268.0
15°	5097.5	4954.2	4647.4	4291.5	3911.8	3544.6	3198.8	2851.8	2625.5	2502.2	2468.3
17.5°	5012.0	4825.9	4409.7	3967.1	3513.2	2990.1	2565.1	2243.2	2088.5	2020.6	2015.6
20°	4927.8	4700.2	4174.6	3617.5	3053.0	2467.0	2087.3	1936.4	1881.1	1857.2	1855.9
22.5°	4852.3	4568.1	3926.9	3268.0	2595.3	2073.5	1864.7	1799.3	1784.3	1784.3	1781.7
25°	4788.2	4436.1	3672.9	2897.1	2181.6	1845.9	1749.0	1721.4	1727.7	1739.0	1740.2
27.5°	4761.8	4333.0	3427.7	2516.1	1896.2	1713.8	1669.8	1666.1	1683.7	1701.3	1703.8
30°	4789.4	4262.6	3176.2	2151.4	1725.2	1633.4	1613.2	1620.8	1642.2	1659.8	1659.8
32.5°	4874.9	4227.4	2919.7	1884.8	1625.8	1576.8	1570.5	1578.0	1594.4	1604.4	1605.7
35°	5019.5	4241.2	2654.4	1705.0	1561.7	1535.3	1534.0	1539.1	1545.3	1551.6	1552.9
37.5°	5201.9	4302.8	2370.2	1600.7	1520.2	1505.1	1502.6	1501.3	1502.6	1502.6	1503.9
40°	5380.4	4395.9	2116.2	1539.1	1491.3	1478.7	1472.4	1463.6	1462.4	1459.8	1458.6
42.5°	5512.4	4467.5	1913.8	1495.0	1464.9	1449.8	1442.2	1428.4	1427.1	1425.9	1424.6
45°	5611.8	4527.9	1745.3	1452.3	1437.2	1423.4	1407.0	1394.5	1397.0	1399.5	1399.5
47.5°	5723.7	4580.7	1622.0	1412.1	1403.3	1389.4	1369.3	1360.5	1369.3	1378.1	1378.1
50°	5859.5	4654.9	1521.5	1371.8	1368.1	1351.7	1334.1	1330.3	1340.4	1353.0	1353.0
52.5°	5958.8	4719.0	1449.8	1331.6	1331.6	1310.2	1295.1	1293.9	1305.2	1317.8	1319.0
55°	6144.9	4868.7	1424.6	1285.1	1280.0	1263.7	1252.4	1243.6	1257.4	1268.7	1268.7
57.5°	6354.9	5067.3	1430.9	1218.4	1212.1	1207.1	1198.3	1188.2	1192.0	1204.6	1205.8
60°	5909.8	4682.6	1361.8	1151.8	1148.0	1145.5	1134.2	1116.6	1121.6	1131.7	1132.9
62.5°	4128.0	3112.1	1101.5	1068.8	1081.4	1080.1	1065.0	1044.9	1046.2	1060.0	1060.0
65°	2142.6	1683.7	966.9	993.3	1012.2	1004.7	979.5	961.9	959.4	977.0	973.2
67.5°	924.2	919.2	880.2	914.1	934.2	917.9	891.5	862.6	865.1	871.4	866.3
70°	744.4	767.0	783.4	819.8	836.2	806.0	777.1	760.7	746.9	745.6	736.8
72.5°	594.8	626.2	662.6	700.4	705.4	675.2	638.8	623.7	602.3	601.0	592.2
75°	447.6	474.0	503.0	533.1	533.1	504.2	480.3	472.8	447.6	440.1	432.5
77.5°	305.5	321.9	344.5	352.1	359.6	348.3	324.4	311.8	282.9	275.4	265.3
80°	192.4	203.7	217.5	222.6	230.1	216.3	197.4	183.6	163.5	157.2	152.1
82.5°	115.7	123.2	132.0	134.5	140.8	130.8	113.2	103.1	91.8	86.8	83.0
85°	59.1	62.9	67.9	69.2	67.9	57.8	51.6	46.5	39.0	37.7	35.2
87.5°	15.1	17.6	18.9	17.6	16.3	12.6	8.8	6.3	2.5	2.5	1.3
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)