

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: P635284

Luminaire Tested: GWS-SA3D-740-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635284
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-SA3D-740-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14737.6 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

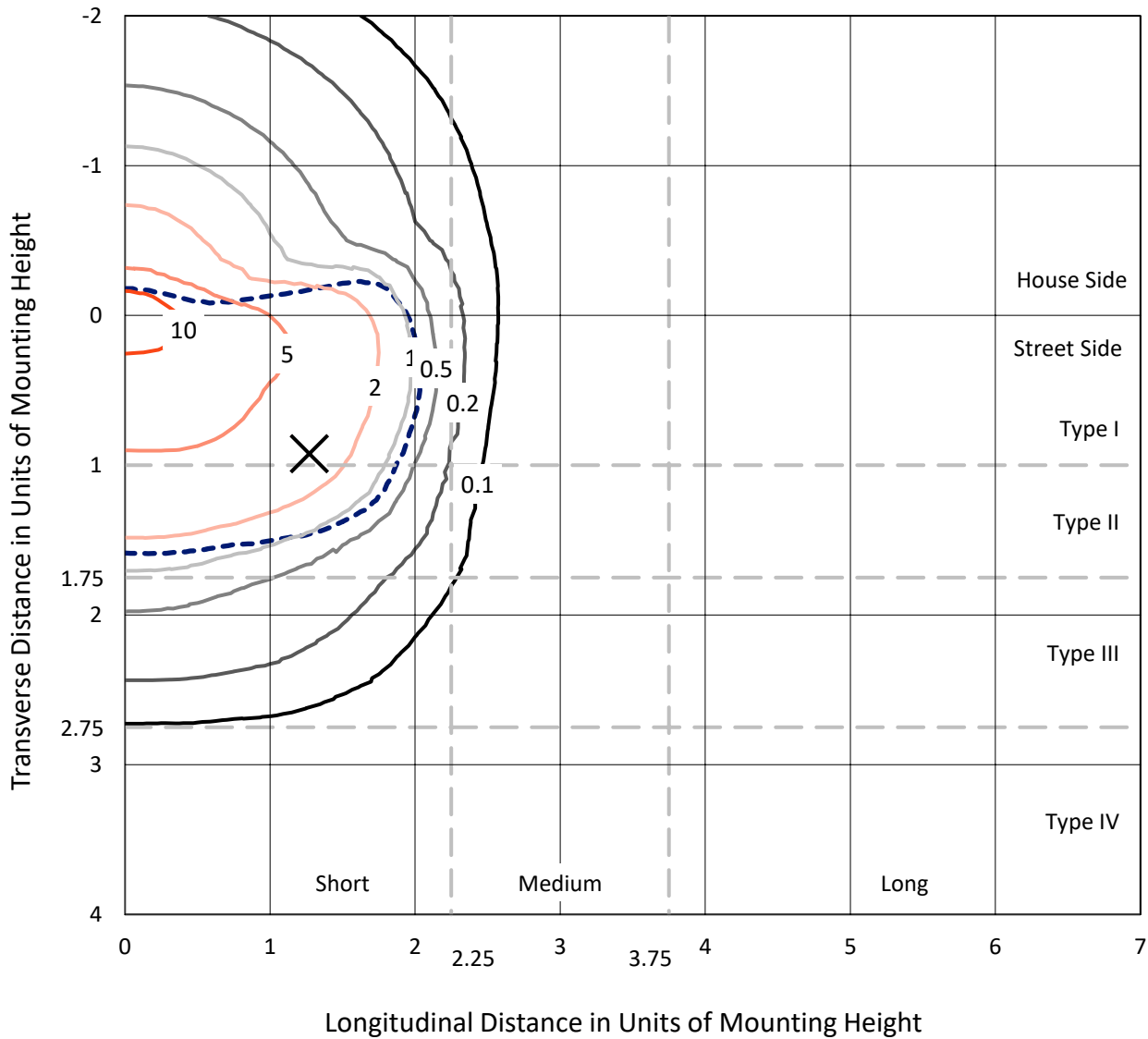
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

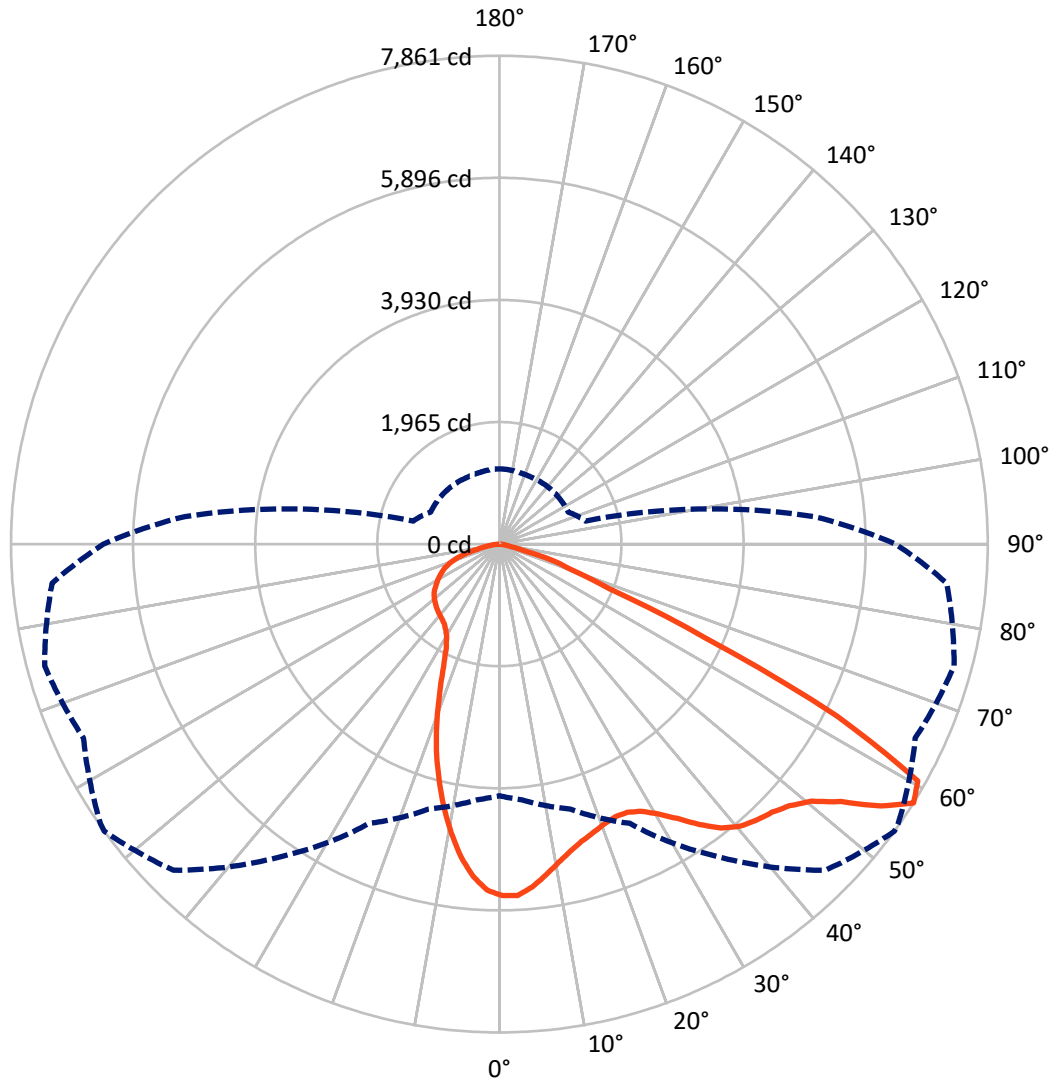
✕ Max cd
 - - - 1/2 Max cd



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	4284.4	0.0	4284.4
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	10453.2	0.0	10453.2
	% Fixture	70.9	0.0	70.9
Total	Lumens	14737.6	0.0	14737.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	497.3	3.4
10°-20°	1186.7	8.1
20°-30°	1642.2	11.1
30°-40°	2281.9	15.5
40°-50°	3013.7	20.4
50°-60°	3581.3	24.3
60°-70°	1984.1	13.5
70°-80°	494.1	3.4
80°-90°	56.2	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°	14737.6	100.0
0°-180°	14737.6	100.0

Coefficient of Utilization



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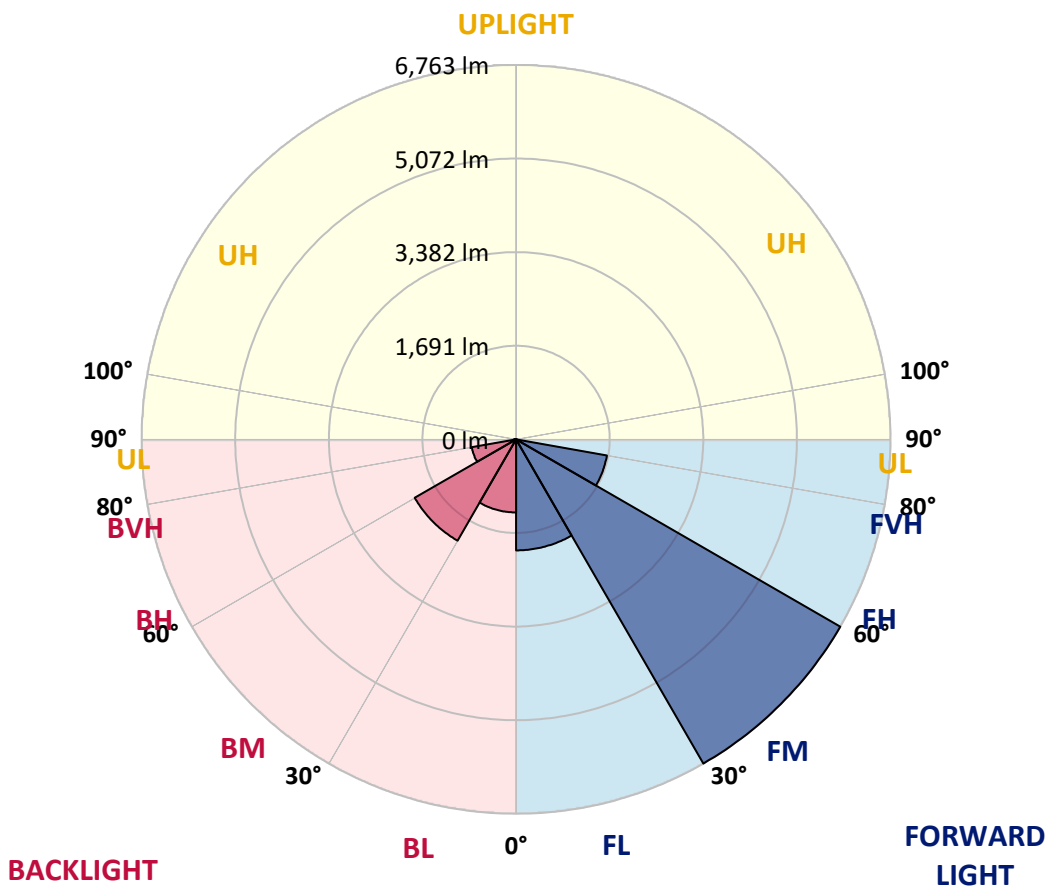
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2006.0	13.6			
FM (30°-60°)	6763.3	45.9			
FH (60°-80°)	1666.3	11.3			G1/1800
FVH (80°-90°)	17.6	0.1			G1/100
BL (0°-30°)	1320.3	9.0	B3/2500		
BM (30°-60°)	2113.6	14.3	B2/2500		
BH (60°-80°)	811.9	5.5	B2/1000		G2/1000
BVH (80°-90°)	38.6	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°	5658.1	5658.1	5658.1	5658.1	5658.1	5658.1	5658.1	5658.1	5658.1	5658.1	5658.1
2.5°	5552.1	5563.5	5571.1	5597.5	5620.3	5640.4	5661.9	5661.9	5660.6	5656.8	5649.3
5°	5332.6	5345.2	5362.9	5399.5	5448.7	5484.0	5542.0	5547.1	5572.3	5582.4	5577.4
7.5°	5077.8	5081.6	5104.3	5152.2	5230.4	5293.5	5376.8	5386.9	5447.4	5482.7	5476.4
10°	4799.0	4786.4	4826.7	4897.4	4999.6	5105.5	5212.8	5221.6	5318.7	5385.6	5380.6
12.5°	4544.1	4545.4	4585.8	4671.6	4799.0	4930.2	5074.0	5094.2	5214.0	5299.8	5291.0
15°	4330.9	4336.0	4385.2	4482.3	4627.4	4783.8	4963.0	4981.9	5133.3	5246.8	5221.6
17.5°	4160.6	4165.7	4208.6	4319.6	4474.8	4664.0	4882.2	4901.2	5089.1	5224.1	5172.4
20°	4043.3	4040.8	4082.4	4188.4	4348.6	4554.2	4811.6	4839.3	5075.3	5233.0	5139.6
22.5°	3995.4	3994.1	4024.4	4111.4	4261.6	4469.7	4768.7	4806.5	5090.4	5272.1	5119.4
25°	4019.3	4014.3	4040.8	4105.1	4225.0	4436.9	4781.3	4821.7	5154.7	5352.8	5123.2
27.5°	4093.8	4087.5	4110.2	4168.2	4259.0	4471.0	4869.6	4916.3	5291.0	5500.4	5173.7
30°	4207.3	4203.5	4226.2	4281.7	4361.2	4584.5	5038.7	5091.7	5501.7	5730.0	5283.4
32.5°	4339.8	4333.5	4373.8	4438.2	4530.3	4791.4	5265.8	5335.1	5751.5	6025.2	5467.6
35°	4488.6	4483.6	4539.1	4632.5	4764.9	5079.0	5540.8	5616.5	6006.3	6359.5	5712.3
37.5°	4633.7	4633.7	4740.9	4879.7	5046.2	5391.9	5799.4	5847.3	6182.9	6656.0	5974.8
40°	4762.4	4770.0	4931.4	5139.6	5351.5	5674.5	5969.7	6010.1	6261.1	6860.4	6203.1
42.5°	4904.9	4911.3	5099.2	5371.7	5624.0	5902.8	6073.2	6093.3	6276.3	6962.6	6364.6
45°	5018.5	5027.3	5260.7	5552.1	5861.2	6074.4	6155.2	6172.8	6297.7	7018.1	6481.9
47.5°	5077.8	5090.4	5357.8	5697.2	6021.4	6228.3	6290.1	6297.7	6386.0	7115.2	6623.2
50°	5067.7	5092.9	5394.4	5769.1	6140.0	6383.5	6507.1	6519.7	6566.4	7257.8	6788.5
52.5°	5157.3	5168.6	5472.6	5854.9	6309.1	6669.9	6884.3	6902.0	6880.6	7365.0	6886.9
55°	5008.4	5062.6	5375.5	5842.3	6566.4	7112.7	7443.2	7434.4	7165.7	7484.8	7050.9
57.5°	4050.9	4130.3	4416.7	4959.2	6142.5	7423.0	7860.8	7839.3	7386.4	7576.9	7228.7
60°	2804.4	2817.1	3075.7	3460.5	4740.9	6557.6	7738.4	7785.1	7426.8	7460.9	6899.5
62.5°	2243.1	2239.3	2263.2	2273.3	3015.1	4609.7	6108.5	6278.8	6170.3	5813.3	4889.8
65°	1915.0	1928.9	1999.6	1963.0	1968.0	2596.3	3649.7	3673.7	3598.0	3469.3	2586.2
67.5°	1498.7	1522.7	1647.6	1790.2	1744.7	1671.6	1893.6	1882.2	1483.6	1148.0	948.7
70°	938.6	953.7	1087.5	1405.4	1518.9	1372.6	1217.4	1212.4	794.8	653.5	716.6
72.5°	547.5	550.0	587.9	783.4	1008.0	938.6	895.7	862.9	510.9	521.0	571.5
75°	301.5	301.5	300.3	338.1	397.4	352.0	340.6	331.8	341.9	387.3	425.1
77.5°	63.1	64.3	68.1	89.6	116.1	141.3	177.9	179.1	223.3	258.6	288.9
80°	29.0	30.3	37.8	47.9	61.8	82.0	108.5	109.8	135.0	162.7	182.9
82.5°	15.1	16.4	20.2	25.2	32.8	42.9	60.6	60.6	80.7	95.9	108.5
85°	5.0	5.0	7.6	10.1	13.9	17.7	24.0	24.0	35.3	46.7	54.2
87.5°	0.0	0.0	0.0	0.0	1.3	2.5	5.0	5.0	6.3	7.6	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°	5658.1	5658.1	5658.1	5658.1	5658.1	5658.1	5658.1	5658.1	5658.1	5658.1	5658.1
2.5°	5632.9	5593.8	5595.0	5602.6	5578.6	5542.0	5518.1	5487.8	5468.9	5465.1	5479.0
5°	5552.1	5506.7	5475.2	5442.4	5374.2	5293.5	5230.4	5178.7	5144.6	5132.0	5116.9
7.5°	5441.1	5381.8	5302.3	5210.2	5086.6	4942.8	4841.9	4747.3	4681.7	4662.7	4653.9
10°	5330.1	5244.3	5103.0	4931.4	4725.8	4531.5	4348.6	4208.6	4097.5	4034.5	4054.7
12.5°	5215.3	5109.3	4888.5	4624.9	4338.5	4045.8	3806.1	3574.0	3394.9	3305.3	3278.8
15°	5114.4	4970.5	4662.7	4305.7	3924.7	3556.3	3209.4	2861.2	2634.1	2510.5	2476.4
17.5°	5028.6	4841.9	4424.3	3980.2	3524.8	3000.0	2573.6	2250.6	2095.5	2027.3	2022.3
20°	4944.1	4715.7	4188.4	3629.5	3063.1	2475.2	2094.2	1942.8	1887.3	1863.3	1862.1
22.5°	4868.4	4583.2	3939.9	3278.8	2603.9	2080.3	1870.9	1805.3	1790.2	1790.2	1787.6
25°	4804.0	4450.8	3685.0	2906.6	2188.8	1852.0	1754.8	1727.1	1733.4	1744.7	1746.0
27.5°	4777.5	4347.3	3439.0	2524.4	1902.4	1719.5	1675.4	1671.6	1689.2	1706.9	1709.4
30°	4805.3	4276.7	3186.7	2158.5	1730.9	1638.8	1618.6	1626.2	1647.6	1665.3	1665.3
32.5°	4891.1	4241.4	2929.3	1891.1	1631.2	1582.0	1575.7	1583.3	1599.7	1609.8	1611.0
35°	5036.1	4255.2	2663.2	1710.7	1566.9	1540.4	1539.1	1544.2	1550.5	1556.8	1558.0
37.5°	5219.1	4317.1	2378.0	1606.0	1525.2	1510.1	1507.6	1506.3	1507.6	1507.6	1508.8
40°	5398.2	4410.4	2123.2	1544.2	1496.2	1483.6	1477.3	1468.5	1467.2	1464.7	1463.4
42.5°	5530.7	4482.3	1920.1	1500.0	1469.7	1454.6	1447.0	1433.1	1431.9	1430.6	1429.3
45°	5630.3	4542.9	1751.0	1457.1	1442.0	1428.1	1411.7	1399.1	1401.6	1404.1	1404.1
47.5°	5742.6	4595.9	1627.4	1416.7	1407.9	1394.0	1373.8	1365.0	1373.8	1382.7	1382.7
50°	5878.9	4670.3	1526.5	1376.4	1372.6	1356.2	1338.5	1334.7	1344.8	1357.4	1357.4
52.5°	5978.5	4734.6	1454.6	1336.0	1336.0	1314.5	1299.4	1298.1	1309.5	1322.1	1323.4
55°	6165.2	4884.8	1429.3	1289.3	1284.3	1267.9	1256.5	1247.7	1261.6	1272.9	1272.9
57.5°	6375.9	5084.1	1435.7	1222.5	1216.1	1211.1	1202.3	1192.2	1196.0	1208.6	1209.8
60°	5929.3	4698.1	1366.3	1155.6	1151.8	1149.3	1137.9	1120.3	1125.3	1135.4	1136.7
62.5°	4141.7	3122.4	1105.1	1072.3	1084.9	1083.7	1068.5	1048.4	1049.6	1063.5	1063.5
65°	2149.7	1689.2	970.1	996.6	1015.6	1008.0	982.8	965.1	962.6	980.2	976.4
67.5°	927.2	922.2	883.1	917.2	937.3	920.9	894.4	865.4	868.0	874.3	869.2
70°	746.8	769.6	786.0	822.5	838.9	808.7	779.6	763.2	749.4	748.1	739.3
72.5°	596.7	628.3	664.8	702.7	707.7	677.5	640.9	625.7	604.3	603.0	594.2
75°	449.1	475.6	504.6	534.9	534.9	505.9	481.9	474.3	449.1	441.5	434.0
77.5°	306.6	323.0	345.7	353.2	360.8	349.5	325.5	312.9	283.9	276.3	266.2
80°	193.0	204.4	218.2	223.3	230.9	217.0	198.1	184.2	164.0	157.7	152.6
82.5°	116.1	123.6	132.5	135.0	141.3	131.2	113.5	103.4	92.1	87.0	83.3
85°	59.3	63.1	68.1	69.4	68.1	58.0	51.7	46.7	39.1	37.8	35.3
87.5°	15.1	17.7	18.9	17.7	16.4	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)