

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: P635280

Luminaire Tested: GWS-SA3D-740-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635280
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-740-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 14988.6 lumens
Efficiency: N/A
Efficacy: 124.1 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

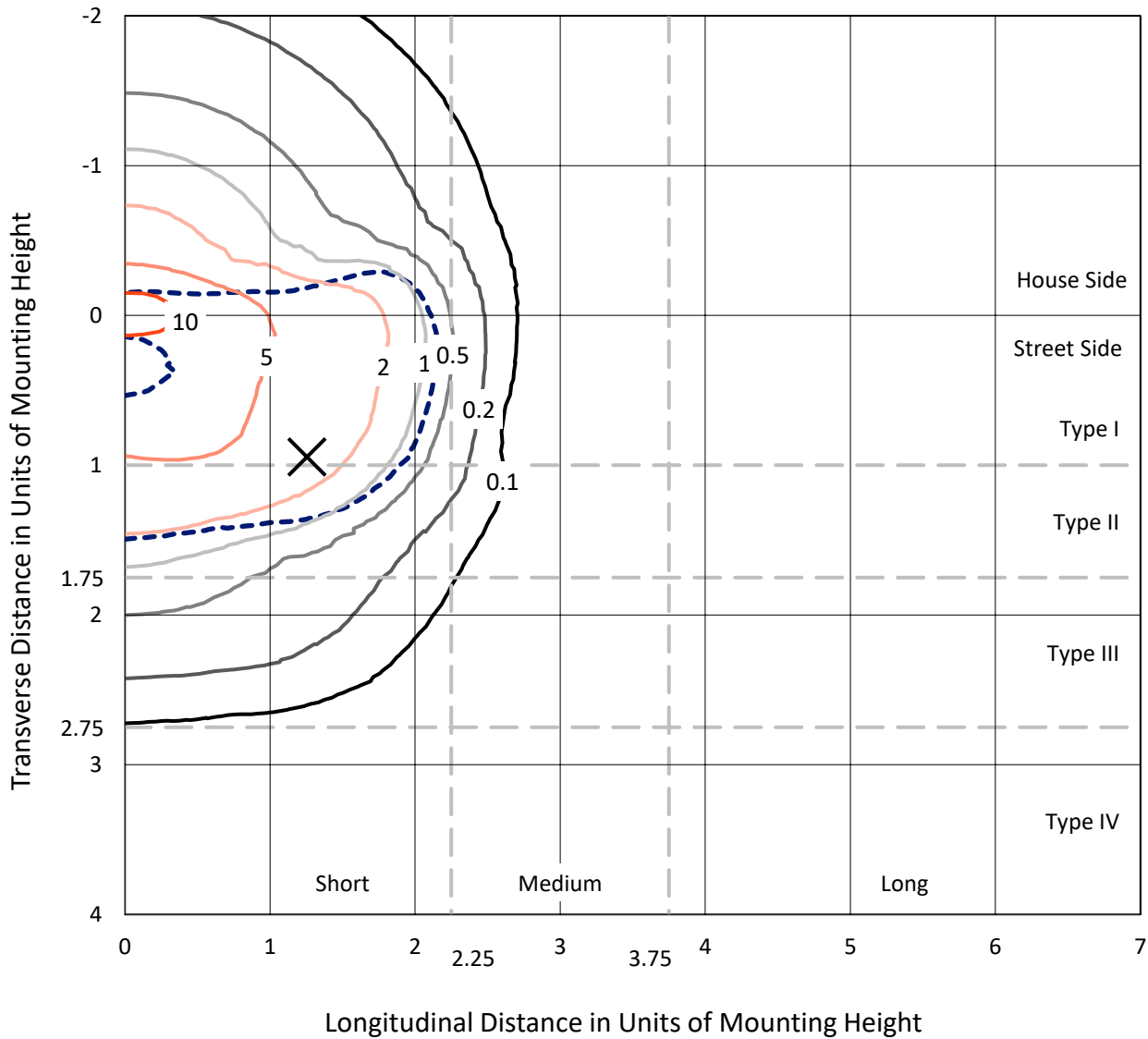
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

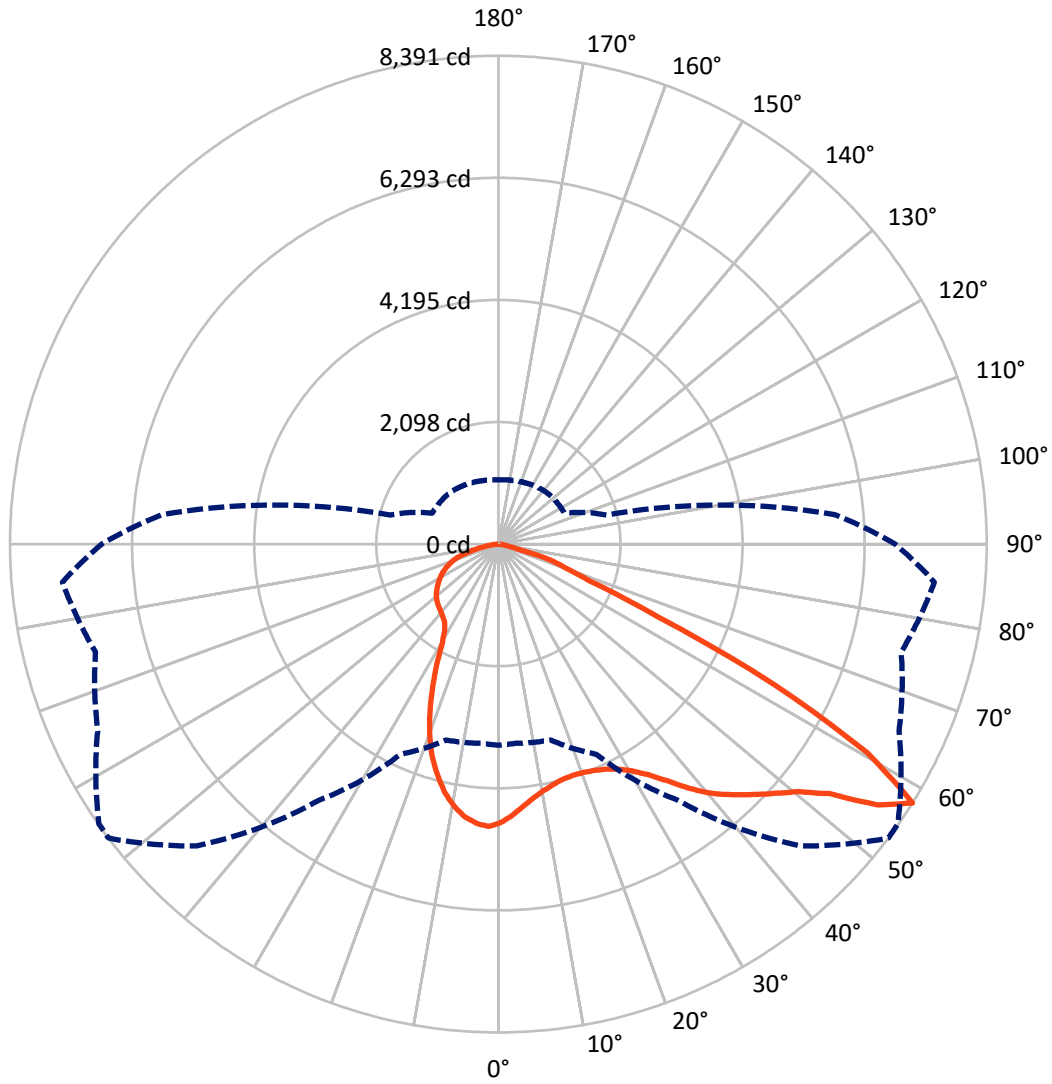
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4686.4	0.0	4686.4
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	10302.2	0.0	10302.2
	% Fixture	68.7	0.0	68.7
Total	Lumens	14988.6	0.0	14988.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.8	2.9
10°-20°	1135.5	7.6
20°-30°	1673.0	11.2
30°-40°	2341.8	15.6
40°-50°	3078.5	20.5
50°-60°	3609.5	24.1
60°-70°	2126.4	14.2
70°-80°	529.0	3.5
80°-90°	62.1	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°	14988.6	100.0
0°-180°	14988.6	100.0

Coefficient of Utilization



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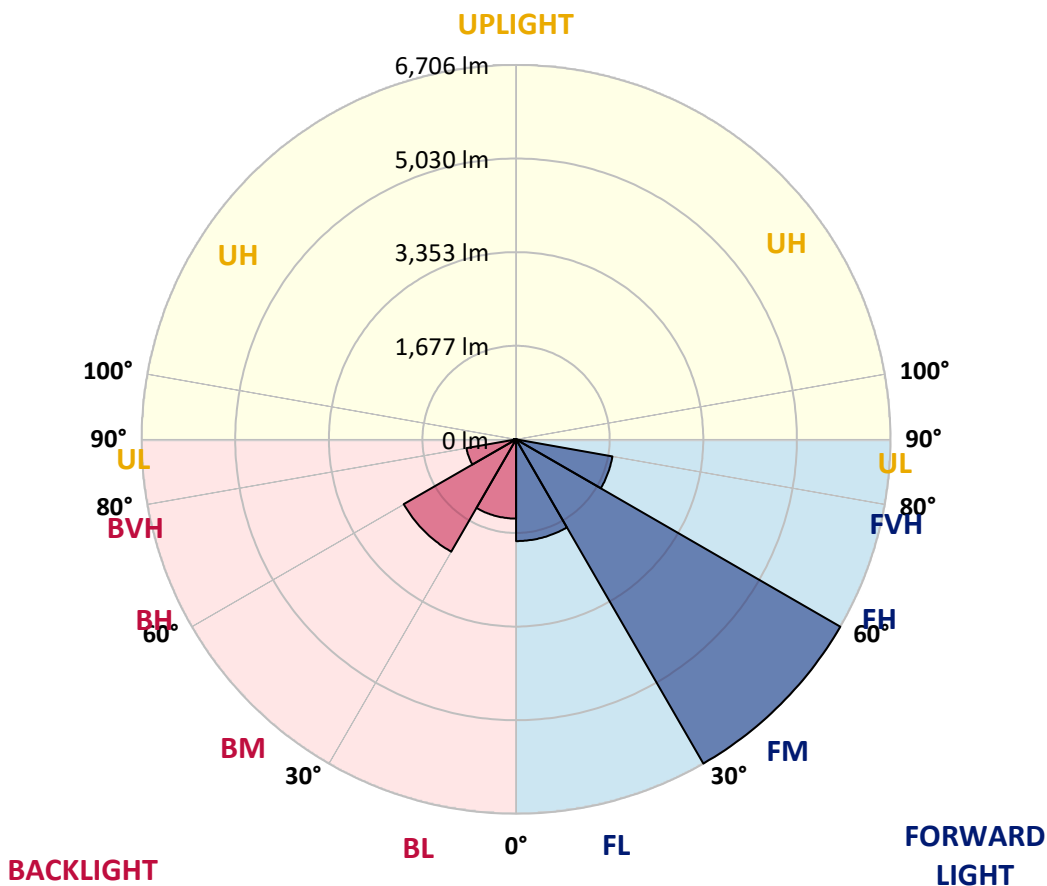
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1822.3	12.2			
FM (30°-60°)	6706.0	44.7			
FH (60°-80°)	1753.1	11.7			G1/1800
FVH (80°-90°)	20.8	0.1			G1/100
BL (0°-30°)	1419.1	9.5	B3/2500		
BM (30°-60°)	2323.8	15.5	B2/2500		
BH (60°-80°)	902.3	6.0	B2/1000		G2/1000
BVH (80°-90°)	41.3	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°	53°	55°	65°	75°	85°
0°	4786.3	4786.3	4786.3	4786.3	4786.3	4786.3	4786.3	4786.3	4786.3	4786.3	4786.3
2.5°	4511.3	4523.9	4526.4	4565.5	4568.0	4624.8	4662.6	4655.1	4694.2	4742.1	4780.0
5°	4295.5	4296.8	4309.4	4356.1	4381.3	4455.7	4518.8	4518.8	4594.5	4692.9	4777.4
7.5°	4117.7	4116.4	4127.7	4179.5	4221.1	4310.7	4396.5	4406.5	4512.5	4656.3	4793.8
10°	3952.4	3961.2	3973.8	4036.9	4089.9	4200.9	4303.1	4319.5	4453.2	4631.1	4816.5
12.5°	3846.4	3847.7	3866.6	3937.3	4005.4	4124.0	4231.2	4251.4	4405.3	4607.1	4832.9
15°	3778.3	3779.6	3799.7	3878.0	3957.4	4077.3	4187.0	4209.7	4377.5	4603.3	4864.5
17.5°	3748.0	3746.8	3765.7	3843.9	3930.9	4055.8	4173.2	4200.9	4390.1	4632.4	4920.0
20°	3748.0	3749.3	3759.4	3830.0	3918.3	4050.8	4187.0	4221.1	4439.3	4698.0	5005.8
22.5°	3801.0	3806.1	3811.1	3859.0	3928.4	4058.4	4223.6	4269.0	4545.3	4807.7	5118.0
25°	3904.5	3905.7	3910.8	3949.9	3981.4	4079.8	4284.2	4352.3	4710.6	4967.9	5259.3
27.5°	4043.2	4060.9	4065.9	4091.2	4091.2	4132.8	4378.8	4477.2	4933.9	5198.8	5439.7
30°	4237.5	4243.8	4252.6	4280.4	4250.1	4232.5	4517.6	4643.7	5192.5	5477.6	5656.7
32.5°	4407.8	4421.7	4469.6	4515.0	4460.8	4405.3	4721.9	4870.8	5441.0	5767.7	5887.6
35°	4552.9	4586.9	4679.0	4780.0	4742.1	4686.6	4993.2	5148.3	5645.4	5975.9	6092.0
37.5°	4728.2	4754.7	4880.9	5044.9	5078.9	5052.4	5323.7	5434.7	5781.6	6028.9	6203.0
40°	4906.1	4946.5	5109.2	5336.3	5466.2	5485.2	5629.0	5703.4	5828.3	5925.4	6181.5
42.5°	5087.8	5157.2	5380.4	5645.4	5876.2	5919.1	5886.3	5917.9	5813.2	5782.9	6081.9
45°	5309.8	5391.8	5644.1	5982.2	6286.2	6353.1	6138.6	6109.6	5810.6	5728.6	6020.0
47.5°	5572.2	5654.2	5895.2	6288.8	6677.3	6726.5	6397.2	6344.3	5898.9	5811.9	6103.3
50°	5804.3	5861.1	6076.8	6517.1	7041.9	7070.9	6682.4	6618.0	6118.4	6042.8	6363.2
52.5°	5568.4	5562.1	5789.2	6331.6	7231.1	7580.6	7121.4	7059.6	6542.3	6426.3	6765.6
55°	4724.4	4652.5	4855.6	5389.3	6702.5	8033.5	7908.6	7784.9	7107.5	6812.3	7142.8
57.5°	3454.1	3433.9	3483.1	3983.9	5369.1	7332.0	8390.5	8379.1	7595.7	7165.5	7518.8
60°	2700.9	2670.7	2539.5	2553.3	3659.7	5727.4	7281.6	7615.9	7898.5	7377.5	7781.1
62.5°	2398.2	2375.5	2307.3	2119.4	2179.9	3840.1	5337.6	5644.1	6901.9	6515.8	6683.6
65°	1985.7	1979.3	2036.1	2028.5	1826.7	2120.6	3012.5	3321.6	4339.7	4393.9	4339.7
67.5°	1443.2	1431.8	1575.7	1859.5	1758.6	1600.9	1679.1	1786.3	2225.3	1998.3	1798.9
70°	938.6	922.2	1005.4	1343.5	1574.4	1395.3	1209.8	1192.2	1223.7	760.7	822.5
72.5°	629.5	610.6	609.3	739.3	951.2	939.8	937.3	928.5	828.8	600.5	666.1
75°	350.7	335.6	331.8	319.2	340.6	346.9	369.6	382.2	413.8	455.4	504.6
77.5°	59.3	58.0	73.2	93.4	128.7	165.3	204.4	215.7	266.2	315.4	346.9
80°	32.8	34.1	44.2	54.2	71.9	98.4	126.2	133.7	164.0	190.5	215.7
82.5°	17.7	17.7	22.7	29.0	39.1	51.7	68.1	74.4	94.6	111.0	128.7
85°	6.3	6.3	8.8	11.4	16.4	21.4	26.5	30.3	41.6	56.8	64.3
87.5°	0.0	0.0	0.0	0.0	1.3	2.5	5.0	5.0	6.3	11.4	16.4
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°	4786.3	4786.3	4786.3	4786.3	4786.3	4786.3	4786.3	4786.3	4786.3	4786.3	4786.3
2.5°	4811.5	4777.4	4824.1	4845.6	4853.1	4858.2	4825.4	4802.7	4795.1	4771.1	4757.2
5°	4829.2	4806.4	4850.6	4850.6	4819.1	4786.3	4719.4	4672.7	4639.9	4600.8	4594.5
7.5°	4859.4	4843.0	4867.0	4817.8	4738.3	4650.0	4534.0	4443.1	4370.0	4322.0	4323.3
10°	4899.8	4879.6	4860.7	4750.9	4605.9	4443.1	4265.3	4132.8	4011.7	3956.2	3925.9
12.5°	4926.3	4897.3	4817.8	4636.1	4422.9	4204.7	3953.7	3756.9	3581.5	3502.0	3495.7
15°	4959.1	4906.1	4747.2	4487.3	4190.8	3893.1	3570.1	3296.4	3059.2	2935.6	2929.3
17.5°	5002.0	4914.9	4662.6	4317.0	3946.1	3507.1	3100.9	2756.5	2504.1	2408.3	2424.7
20°	5062.5	4925.0	4566.8	4127.7	3642.1	3068.1	2562.2	2245.5	2148.4	2142.1	2129.5
22.5°	5130.7	4931.3	4460.8	3915.8	3273.7	2600.0	2116.9	1981.9	1980.6	2012.1	2019.7
25°	5207.6	4936.4	4340.9	3668.5	2875.0	2133.3	1872.1	1831.7	1863.3	1922.6	1930.1
27.5°	5306.0	4946.5	4195.9	3397.3	2451.2	1843.1	1737.1	1727.0	1764.9	1820.4	1817.9
30°	5451.1	4983.1	4042.0	3085.7	2015.9	1705.6	1655.1	1656.4	1671.5	1698.0	1701.8
32.5°	5598.7	5039.8	3891.8	2735.0	1766.1	1627.4	1604.7	1602.1	1602.1	1613.5	1616.0
35°	5738.7	5104.2	3729.1	2369.2	1645.0	1582.0	1566.8	1559.3	1555.5	1552.9	1549.2
37.5°	5816.9	5135.7	3570.1	2008.4	1580.7	1551.7	1536.5	1526.5	1512.6	1502.5	1500.0
40°	5782.9	5099.1	3386.0	1738.4	1541.6	1522.7	1505.0	1491.1	1472.2	1463.4	1458.3
42.5°	5669.3	4985.6	3185.4	1611.0	1510.1	1491.1	1469.7	1447.0	1434.4	1426.8	1425.5
45°	5549.5	4848.1	2943.2	1536.5	1479.8	1457.1	1431.8	1406.6	1392.7	1389.0	1387.7
47.5°	5545.7	4780.0	2685.8	1477.3	1443.2	1420.5	1389.0	1363.7	1348.6	1343.5	1338.5
50°	5712.2	4849.3	2395.7	1425.5	1405.4	1381.4	1346.1	1318.3	1299.4	1293.1	1291.8
52.5°	6057.9	5110.5	2135.8	1373.8	1354.9	1327.1	1298.1	1270.4	1247.7	1236.3	1235.0
55°	6431.3	5442.3	1974.3	1320.8	1295.6	1271.6	1245.1	1214.9	1189.6	1172.0	1169.4
57.5°	6817.3	5804.3	1925.1	1254.0	1235.0	1218.6	1187.1	1154.3	1125.3	1108.9	1105.1
60°	7135.2	6115.9	2017.2	1183.3	1173.2	1151.8	1122.8	1091.2	1071.0	1058.4	1055.9
62.5°	5973.4	4979.3	1628.6	1106.4	1106.4	1083.7	1050.9	1028.2	1014.3	1005.4	1002.9
65°	3790.9	3083.2	1111.4	1029.4	1028.2	997.9	970.1	955.0	948.7	934.8	932.3
67.5°	1651.3	1409.1	949.9	951.2	946.2	913.4	885.6	874.2	861.6	846.5	845.2
70°	856.6	873.0	850.3	864.2	855.3	816.2	789.7	772.1	745.6	730.4	731.7
72.5°	691.3	709.0	734.2	755.7	736.7	705.2	663.6	642.1	608.1	591.7	592.9
75°	527.3	546.2	570.2	592.9	577.8	538.7	512.2	490.7	451.6	432.7	436.5
77.5°	363.3	373.4	402.4	401.2	396.1	384.8	345.7	320.4	280.1	257.4	259.9
80°	225.8	232.1	246.0	252.3	249.8	234.6	203.1	184.2	160.2	146.3	147.6
82.5°	136.2	140.0	152.6	153.9	152.6	141.3	117.3	103.4	88.3	80.7	80.7
85°	69.4	71.9	79.5	79.5	71.9	60.6	54.2	47.9	39.1	35.3	35.3
87.5°	18.9	18.9	24.0	20.2	16.4	15.1	7.6	6.3	2.5	1.3	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)