

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: P635335

Luminaire Tested: GWS-SA3D-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635335
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15332.1 lumens
Efficiency: N/A
Efficacy: 126.9 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

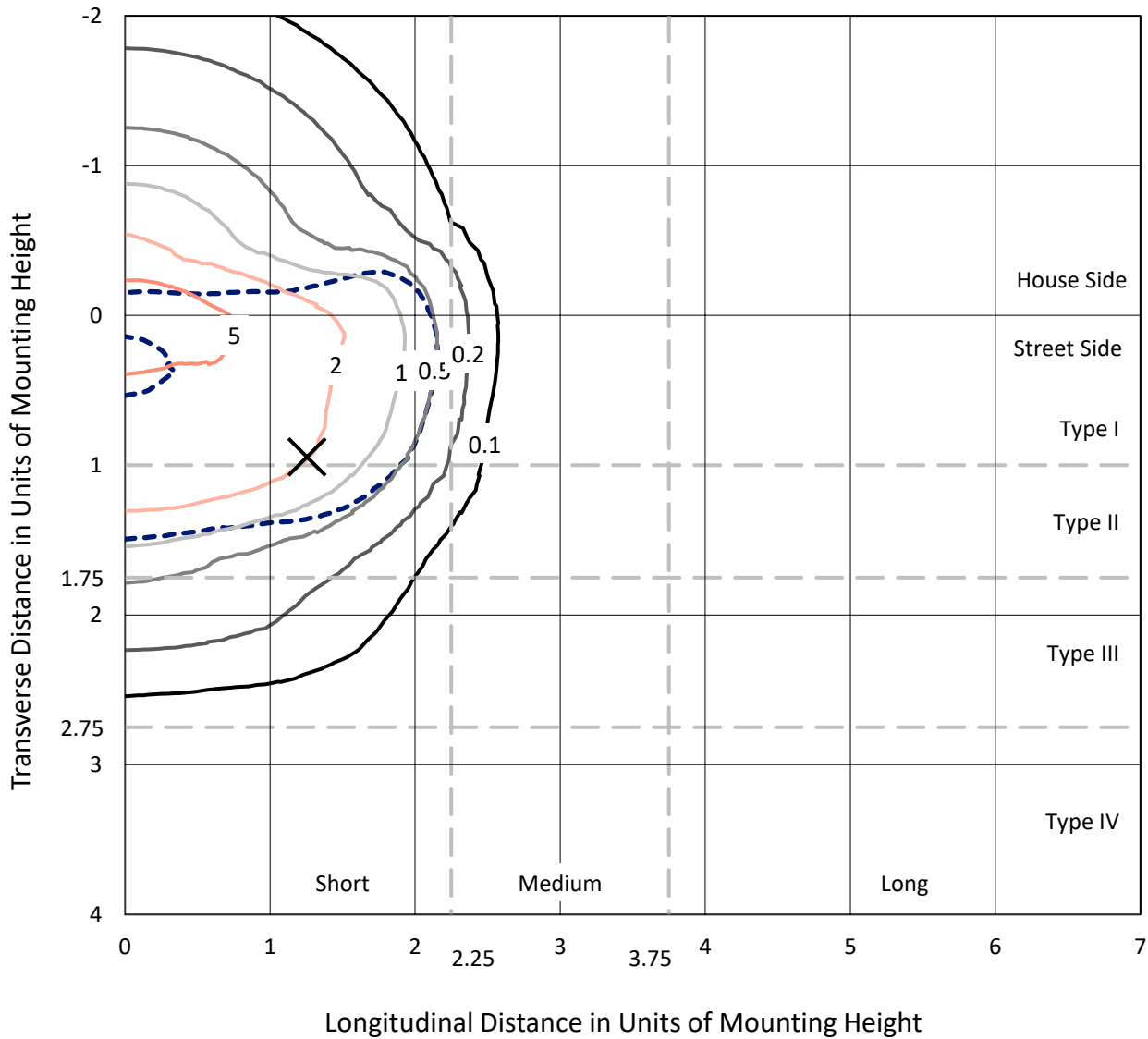
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

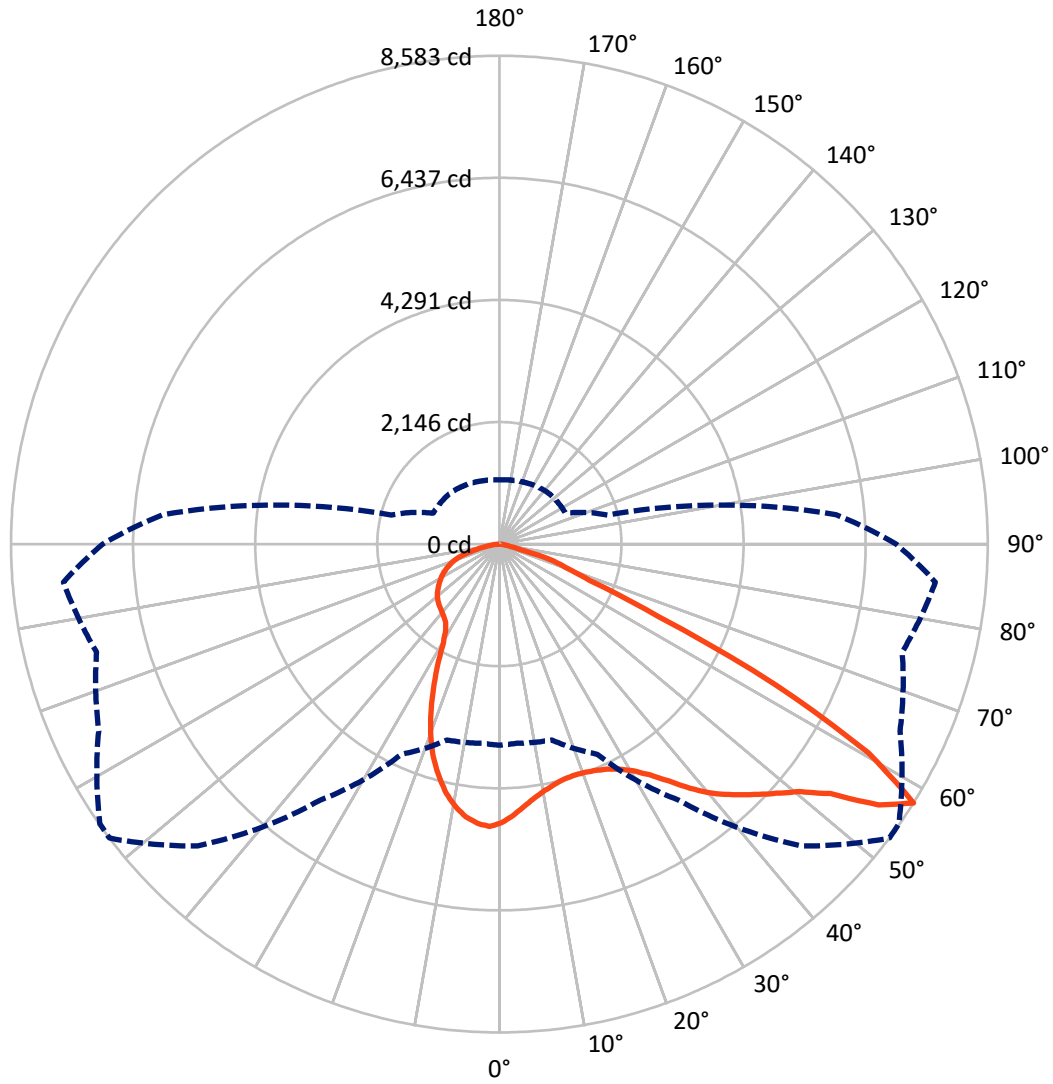
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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	4793.8	0.0	4793.8
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	10538.3	0.0	10538.3
	% Fixture	68.7	0.0	68.7
Total	Lumens	15332.1	0.0	15332.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.7	2.9
10°-20°	1161.5	7.6
20°-30°	1711.4	11.2
30°-40°	2395.5	15.6
40°-50°	3149.0	20.5
50°-60°	3692.2	24.1
60°-70°	2175.1	14.2
70°-80°	541.1	3.5
80°-90°	63.5	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°	15332.1	100.0
0°-180°	15332.1	100.0

Coefficient of Utilization



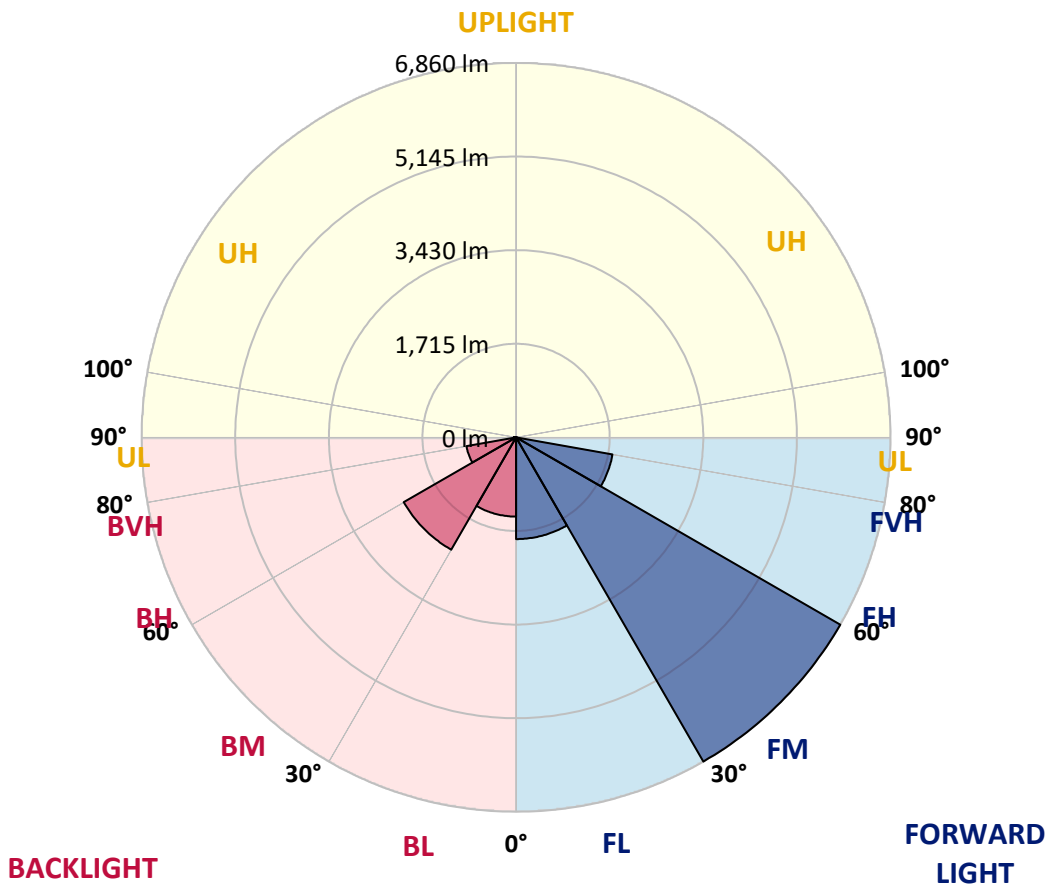
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1864.1	12.2			
FM (30°-60°)	6859.7	44.7			
FH (60°-80°)	1793.3	11.7			G1/1800
FVH (80°-90°)	21.2	0.1			G1/100
BL (0°-30°)	1451.6	9.5	B3/2500		
BM (30°-60°)	2377.0	15.5	B2/2500		
BH (60°-80°)	923.0	6.0	B2/1000		G2/1000
BVH (80°-90°)	42.2	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°	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0
2.5°	4614.6	4627.5	4630.1	4670.1	4672.7	4730.8	4769.5	4761.7	4801.8	4850.8	4889.5
5°	4394.0	4395.3	4408.2	4455.9	4481.7	4557.9	4622.4	4622.4	4699.8	4800.5	4886.9
7.5°	4212.0	4210.7	4222.3	4275.2	4317.8	4409.5	4497.2	4507.5	4615.9	4763.0	4903.7
10°	4043.0	4052.0	4064.9	4129.4	4183.6	4297.2	4401.7	4418.5	4555.3	4737.2	4926.9
12.5°	3934.6	3935.9	3955.2	4027.5	4097.2	4218.5	4328.2	4348.8	4506.2	4712.7	4943.7
15°	3864.9	3866.2	3886.8	3966.8	4048.1	4170.7	4283.0	4306.2	4477.8	4708.8	4976.0
17.5°	3833.9	3832.6	3852.0	3932.0	4021.0	4148.8	4268.8	4297.2	4490.8	4738.5	5032.7
20°	3833.9	3835.2	3845.5	3917.8	4008.1	4143.6	4283.0	4317.8	4541.1	4805.6	5120.5
22.5°	3888.1	3893.3	3898.4	3947.5	4018.5	4151.4	4320.4	4366.9	4649.5	4917.9	5235.3
25°	3993.9	3995.2	4000.4	4040.4	4072.6	4173.3	4382.4	4452.0	4818.5	5081.8	5379.9
27.5°	4135.9	4153.9	4159.1	4184.9	4184.9	4227.5	4479.1	4579.8	5046.9	5317.9	5564.4
30°	4334.6	4341.1	4350.1	4378.5	4347.5	4329.4	4621.1	4750.1	5311.5	5603.1	5786.4
32.5°	4508.8	4523.0	4572.1	4618.5	4563.0	4506.2	4830.1	4982.4	5565.7	5899.9	6022.5
35°	4657.2	4692.1	4786.3	4889.5	4850.8	4794.0	5107.6	5266.3	5774.7	6112.8	6231.6
37.5°	4836.6	4863.7	4992.7	5160.5	5195.3	5168.2	5445.7	5559.2	5914.1	6167.0	6345.1
40°	5018.5	5059.8	5226.3	5458.6	5591.5	5610.9	5758.0	5834.1	5961.9	6061.2	6323.2
42.5°	5204.4	5275.3	5503.8	5774.7	6010.9	6054.8	6021.2	6053.5	5946.4	5915.4	6221.2
45°	5431.5	5515.4	5773.5	6119.3	6430.3	6498.7	6279.3	6249.6	5943.8	5859.9	6158.0
47.5°	5699.9	5783.8	6030.3	6432.9	6830.3	6880.7	6543.9	6489.7	6034.1	5945.1	6243.2
50°	5937.3	5995.4	6216.1	6666.4	7203.3	7233.0	6835.5	6769.7	6258.7	6181.2	6509.0
52.5°	5696.0	5689.6	5921.9	6476.8	7396.8	7754.3	7284.6	7221.3	6692.3	6573.5	6920.7
55°	4832.7	4759.2	4966.9	5512.8	6856.1	8217.6	8089.8	7963.3	7270.4	6968.4	7306.5
57.5°	3533.2	3512.6	3562.9	4075.2	5492.1	7500.1	8582.8	8571.1	7769.8	7329.7	7691.1
60°	2762.8	2731.9	2597.7	2611.9	3743.6	5858.6	7448.5	7790.4	8079.5	7546.5	7959.5
62.5°	2453.1	2429.9	2360.2	2168.0	2229.9	3928.1	5459.9	5773.5	7060.0	6665.2	6836.8
65°	2031.2	2024.7	2082.8	2075.0	1868.6	2169.2	3081.6	3397.7	4439.1	4494.6	4439.1
67.5°	1476.3	1464.7	1611.8	1902.1	1798.9	1637.6	1717.6	1827.3	2276.3	2044.1	1840.2
70°	960.1	943.3	1028.5	1374.3	1610.5	1427.2	1237.5	1219.5	1251.7	778.1	841.4
72.5°	643.9	624.6	623.3	756.2	973.0	961.4	958.8	949.8	847.8	614.3	681.4
75°	358.7	343.3	339.4	326.5	348.4	354.9	378.1	391.0	423.3	465.9	516.2
77.5°	60.7	59.4	74.8	95.5	131.6	169.0	209.1	220.7	272.3	322.6	354.9
80°	33.6	34.8	45.2	55.5	73.6	100.7	129.0	136.8	167.8	194.9	220.7
82.5°	18.1	18.1	23.2	29.7	40.0	52.9	69.7	76.1	96.8	113.6	131.6
85°	6.5	6.5	9.0	11.6	16.8	21.9	27.1	31.0	42.6	58.1	65.8
87.5°	0.0	0.0	0.0	0.0	1.3	2.6	5.2	5.2	6.5	11.6	16.8
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°	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0
2.5°	4921.8	4886.9	4934.7	4956.6	4964.3	4969.5	4936.0	4912.7	4905.0	4880.5	4866.3
5°	4939.8	4916.6	4961.8	4961.8	4929.5	4896.0	4827.6	4779.8	4746.3	4706.3	4699.8
7.5°	4970.8	4954.0	4978.5	4928.2	4846.9	4756.6	4637.9	4545.0	4470.1	4421.1	4422.4
10°	5012.1	4991.4	4972.1	4859.8	4711.4	4545.0	4363.0	4227.5	4103.6	4046.8	4015.9
12.5°	5039.2	5009.5	4928.2	4742.4	4524.3	4301.1	4044.3	3842.9	3663.6	3582.3	3575.8
15°	5072.7	5018.5	4855.9	4590.1	4286.9	3982.3	3652.0	3371.9	3129.3	3002.9	2996.4
17.5°	5116.6	5027.6	4769.5	4415.9	4036.5	3587.4	3171.9	2819.6	2561.5	2463.5	2480.2
20°	5178.6	5037.9	4671.4	4222.3	3725.5	3138.4	2620.9	2297.0	2197.6	2191.2	2178.3
22.5°	5248.2	5044.4	4563.0	4005.5	3348.7	2659.6	2165.4	2027.3	2026.0	2058.3	2066.0
25°	5327.0	5049.5	4440.4	3752.6	2940.9	2182.1	1915.0	1873.7	1906.0	1966.6	1974.4
27.5°	5427.6	5059.8	4292.0	3475.2	2507.3	1885.3	1776.9	1766.6	1805.3	1862.1	1859.5
30°	5576.0	5097.3	4134.6	3156.4	2062.1	1744.7	1693.1	1694.4	1709.8	1736.9	1740.8
32.5°	5727.0	5155.3	3981.0	2797.7	1806.6	1664.7	1641.4	1638.9	1638.9	1650.5	1653.1
35°	5870.2	5221.1	3814.6	2423.5	1682.7	1618.2	1602.7	1595.0	1591.1	1588.5	1584.7
37.5°	5950.2	5253.4	3652.0	2054.4	1616.9	1587.2	1571.8	1561.4	1547.2	1536.9	1534.3
40°	5915.4	5216.0	3463.6	1778.2	1576.9	1557.6	1539.5	1525.3	1506.0	1496.9	1491.8
42.5°	5799.3	5099.8	3258.4	1647.9	1544.7	1525.3	1503.4	1480.1	1467.2	1459.5	1458.2
45°	5676.7	4959.2	3010.6	1571.8	1513.7	1490.5	1464.7	1438.8	1424.7	1420.8	1419.5
47.5°	5672.8	4889.5	2747.4	1511.1	1476.3	1453.0	1420.8	1395.0	1379.5	1374.3	1369.2
50°	5843.1	4960.5	2450.6	1458.2	1437.6	1413.0	1376.9	1348.5	1329.2	1322.7	1321.4
52.5°	6196.7	5227.6	2184.7	1405.3	1385.9	1357.5	1327.9	1299.5	1276.3	1264.6	1263.3
55°	6578.7	5567.0	2019.5	1351.1	1325.3	1300.8	1273.7	1242.7	1216.9	1198.8	1196.2
57.5°	6973.6	5937.3	1969.2	1282.7	1263.3	1246.6	1214.3	1180.8	1151.1	1134.3	1130.4
60°	7298.8	6256.1	2063.4	1210.4	1200.1	1178.2	1148.5	1116.2	1095.6	1082.7	1080.1
62.5°	6110.3	5093.4	1666.0	1131.7	1131.7	1108.5	1074.9	1051.7	1037.5	1028.5	1025.9
65°	3877.8	3153.9	1136.9	1053.0	1051.7	1020.7	992.4	976.9	970.4	956.2	953.6
67.5°	1689.2	1441.4	971.7	973.0	967.8	934.3	905.9	894.3	881.4	865.9	864.6
70°	876.2	893.0	869.8	884.0	874.9	834.9	807.8	789.8	762.7	747.2	748.5
72.5°	707.2	725.2	751.0	773.0	753.6	721.4	678.8	656.8	622.0	605.2	606.5
75°	539.4	558.8	583.3	606.5	591.0	551.0	523.9	502.0	462.0	442.6	446.5
77.5°	371.6	382.0	411.7	410.4	405.2	393.6	353.6	327.8	286.5	263.3	265.8
80°	231.0	237.4	251.6	258.1	255.5	240.0	207.8	188.4	163.9	149.7	151.0
82.5°	139.4	143.2	156.1	157.4	156.1	144.5	120.0	105.8	90.3	82.6	82.6
85°	71.0	73.6	81.3	81.3	73.6	61.9	55.5	49.0	40.0	36.1	36.1
87.5°	19.4	19.4	24.5	20.6	16.8	15.5	7.7	6.5	2.6	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)