

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: P637209

Luminaire Tested: GWS-SA4C-735-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637209
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16033.5 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

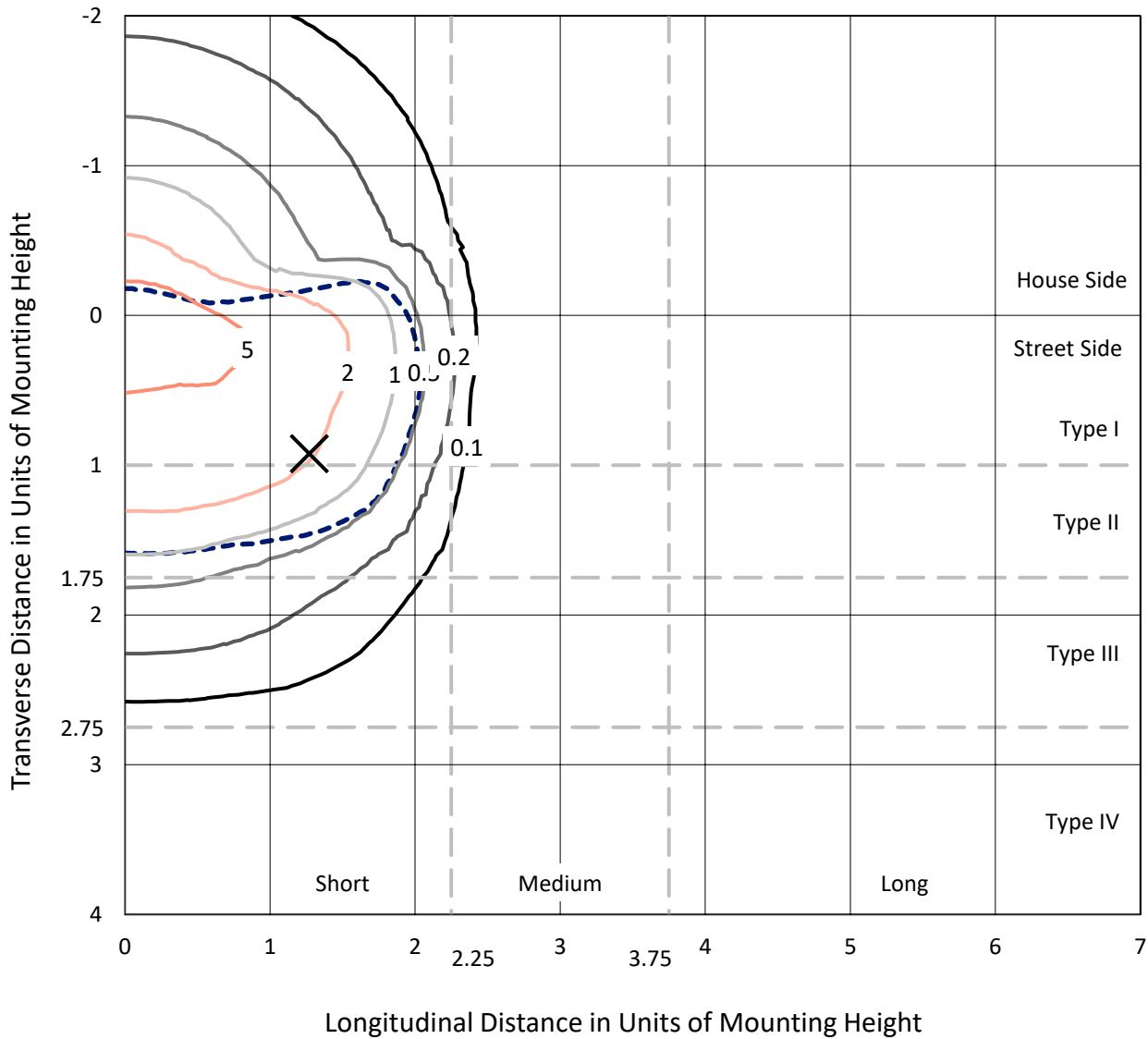
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637209
 CATALOG NUMBER: GWS-SA4C-735-U-SL3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

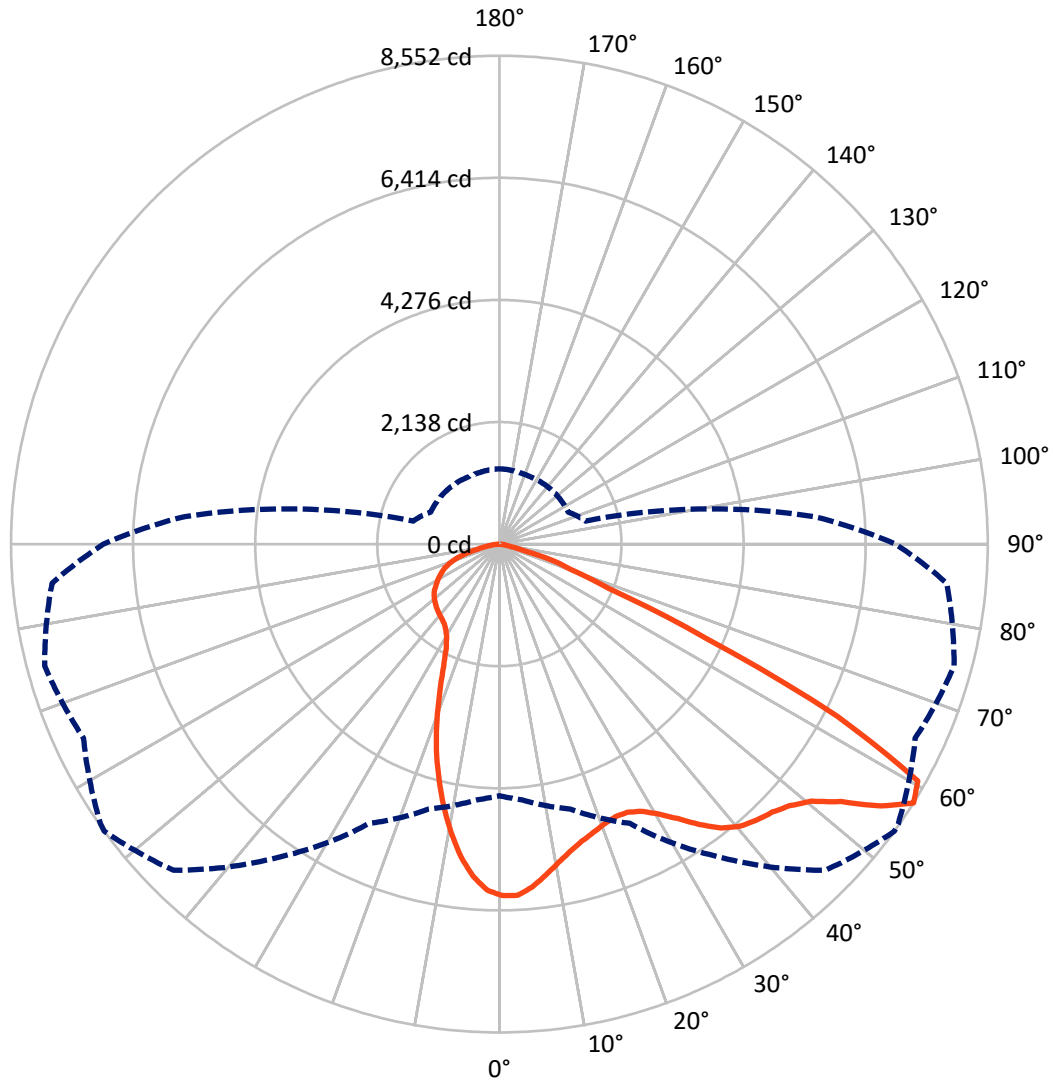
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc
 Type II - Short - N/A

REPORT NUMBER: P637209
CATALOG NUMBER: GWS-SA4C-735-U-SL3-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P637209

CATALOG NUMBER: GWS-SA4C-735-U-SL3-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4661.1	0.0	4661.1
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	11372.4	0.0	11372.4
	% Fixture	70.9	0.0	70.9
Total	Lumens	16033.5	0.0	16033.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.1	3.4
10°-20°	1291.1	8.1
20°-30°	1786.6	11.1
30°-40°	2482.5	15.5
40°-50°	3278.7	20.4
50°-60°	3896.2	24.3
60°-70°	2158.6	13.5
70°-80°	537.5	3.4
80°-90°	61.1	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°	16033.5	100.0
0°-180°	16033.5	100.0

Coefficient of Utilization



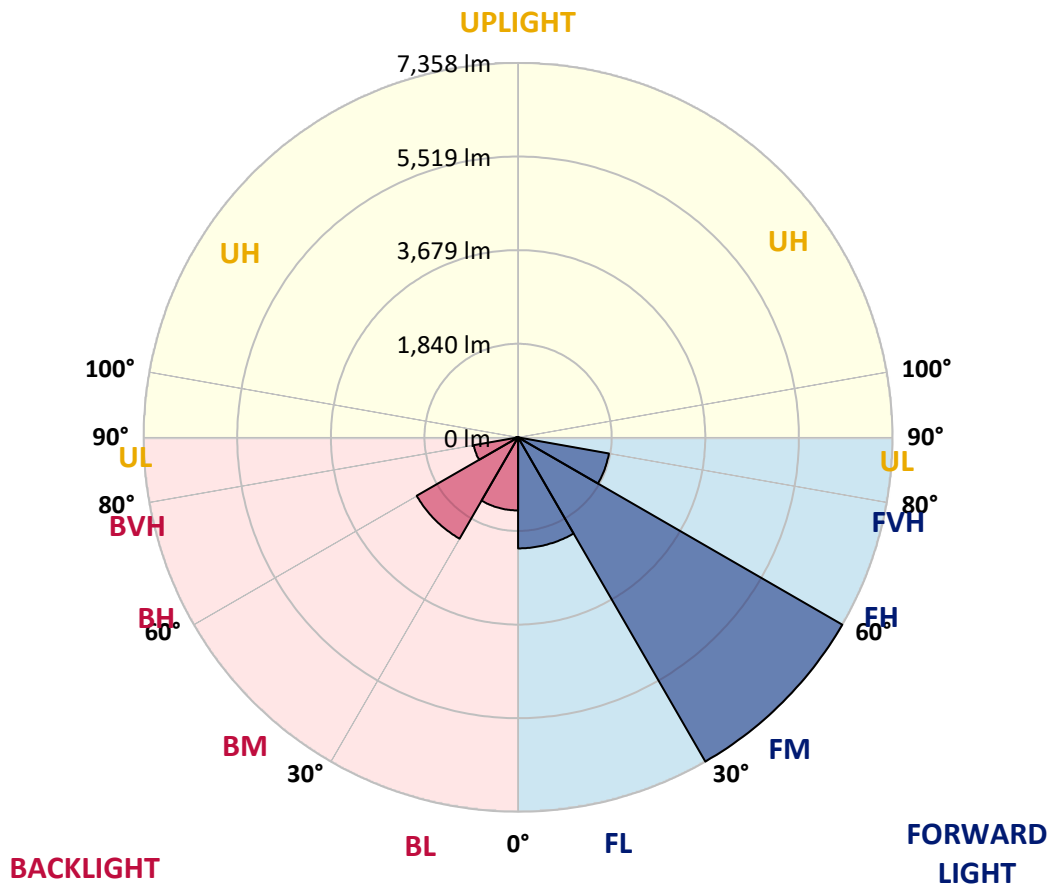
REPORT NUMBER: P637209

CATALOG NUMBER: GWS-SA4C-735-U-SL3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2182.4	13.6			
FM (30°-60°)	7358.0	45.9			
FH (60°-80°)	1812.8	11.3			G2/5000
FVH (80°-90°)	19.1	0.1			G1/100
BL (0°-30°)	1436.4	9.0	B3/2500		
BM (30°-60°)	2299.4	14.3	B2/2500		
BH (60°-80°)	883.3	5.5	B2/1000		G2/1000
BVH (80°-90°)	42.0	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





REPORT NUMBER: P637209

CATALOG NUMBER: GWS-SA4C-735-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	6155.6	6155.6	6155.6	6155.6	6155.6	6155.6	6155.6	6155.6	6155.6	6155.6	6155.6
2.5°	6040.3	6052.7	6060.9	6089.7	6114.5	6136.4	6159.7	6159.7	6158.4	6154.3	6146.0
5°	5801.5	5815.2	5834.5	5874.3	5927.8	5966.2	6029.4	6034.8	6062.3	6073.3	6067.8
7.5°	5524.3	5528.4	5553.1	5605.3	5690.4	5759.0	5849.6	5860.5	5926.4	5964.8	5958.0
10°	5221.0	5207.2	5251.2	5328.0	5439.2	5554.5	5671.1	5680.7	5786.4	5859.2	5853.7
12.5°	4943.7	4945.1	4989.0	5082.3	5221.0	5363.7	5520.2	5542.1	5672.5	5765.8	5756.2
15°	4711.8	4717.3	4770.8	4876.5	5034.3	5204.5	5399.4	5420.0	5584.7	5708.2	5680.7
17.5°	4526.5	4532.0	4578.6	4699.4	4868.2	5074.1	5311.5	5332.1	5536.6	5683.5	5627.2
20°	4398.8	4396.1	4441.4	4556.7	4731.0	4954.7	5234.7	5264.9	5521.5	5693.1	5591.5
22.5°	4346.7	4345.3	4378.2	4473.0	4636.3	4862.7	5188.0	5229.2	5538.0	5735.6	5569.6
25°	4372.8	4367.3	4396.1	4466.1	4596.5	4827.1	5201.7	5245.7	5608.0	5823.5	5573.7
27.5°	4453.7	4446.9	4471.6	4534.7	4633.5	4864.1	5297.8	5348.6	5756.2	5984.1	5628.6
30°	4577.3	4573.1	4597.8	4658.2	4744.7	4987.6	5481.7	5539.4	5985.4	6233.9	5748.0
32.5°	4721.4	4714.5	4758.4	4828.4	4928.6	5212.7	5728.8	5804.3	6257.2	6555.0	5948.4
35°	4883.3	4877.8	4938.2	5039.8	5183.9	5525.7	6028.0	6110.3	6534.4	6918.7	6214.6
37.5°	5041.2	5041.2	5157.8	5308.8	5490.0	5866.0	6309.3	6361.5	6726.6	7241.3	6500.1
40°	5181.2	5189.4	5365.1	5591.5	5822.1	6173.5	6494.6	6538.5	6811.7	7463.6	6748.5
42.5°	5336.2	5343.1	5547.6	5844.1	6118.6	6421.9	6607.2	6629.1	6828.1	7574.8	6924.2
45°	5459.8	5469.4	5723.3	6040.3	6376.6	6608.5	6696.4	6715.6	6851.5	7635.2	7051.9
47.5°	5524.3	5538.0	5829.0	6198.2	6550.9	6776.0	6843.2	6851.5	6947.6	7740.9	7205.6
50°	5513.3	5540.7	5868.8	6276.4	6679.9	6944.8	7079.3	7093.0	7143.8	7895.9	7385.4
52.5°	5610.7	5623.1	5953.9	6369.7	6863.8	7256.4	7489.7	7508.9	7485.6	8012.6	7492.4
55°	5448.8	5507.8	5848.2	6356.0	7143.8	7738.1	8097.7	8088.1	7795.8	8143.0	7670.9
57.5°	4407.1	4493.5	4805.1	5395.3	6682.7	8075.7	8552.0	8528.7	8035.9	8243.2	7864.4
60°	3051.0	3064.8	3346.1	3764.7	5157.8	7134.2	8418.9	8469.6	8079.9	8116.9	7506.2
62.5°	2440.3	2436.2	2462.2	2473.2	3280.3	5015.1	6645.6	6830.9	6712.9	6324.4	5319.8
65°	2083.4	2098.5	2175.4	2135.6	2141.1	2824.6	3970.6	3996.7	3914.3	3774.4	2813.6
67.5°	1630.5	1656.6	1792.5	1947.6	1898.2	1818.6	2060.1	2047.8	1614.1	1249.0	1032.1
70°	1021.1	1037.6	1183.1	1529.0	1652.5	1493.3	1324.5	1319.0	864.7	711.0	779.6
72.5°	595.7	598.4	639.6	852.3	1096.6	1021.1	974.5	938.8	555.9	566.8	621.7
75°	328.0	328.0	326.7	367.8	432.3	382.9	370.6	361.0	371.9	421.4	462.5
77.5°	68.6	70.0	74.1	97.4	126.3	153.7	193.5	194.9	242.9	281.4	314.3
80°	31.6	32.9	41.2	52.2	67.3	89.2	118.0	119.4	146.9	177.1	199.0
82.5°	16.5	17.8	22.0	27.4	35.7	46.7	65.9	65.9	87.8	104.3	118.0
85°	5.5	5.5	8.2	11.0	15.1	19.2	26.1	26.1	38.4	50.8	59.0
87.5°	0.0	0.0	0.0	0.0	1.4	2.7	5.5	5.5	6.9	8.2	13.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637209

CATALOG NUMBER: GWS-SA4C-735-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6155.6	6155.6	6155.6	6155.6	6155.6	6155.6	6155.6	6155.6	6155.6	6155.6	6155.6
2.5°	6128.2	6085.6	6087.0	6095.2	6069.2	6029.4	6003.3	5970.3	5949.8	5945.6	5960.7
5°	6040.3	5990.9	5956.6	5920.9	5846.8	5759.0	5690.4	5634.1	5597.0	5583.3	5566.8
7.5°	5919.6	5855.0	5768.6	5668.4	5533.9	5377.4	5267.6	5164.7	5093.3	5072.7	5063.1
10°	5798.8	5705.4	5551.7	5365.1	5141.4	4930.0	4731.0	4578.6	4457.9	4389.2	4411.2
12.5°	5673.9	5558.6	5318.4	5031.6	4720.0	4401.6	4140.8	3888.3	3693.4	3595.9	3567.1
15°	5564.1	5407.6	5072.7	4684.3	4269.8	3869.1	3491.6	3112.8	2865.8	2731.3	2694.2
17.5°	5470.8	5267.6	4813.3	4330.2	3834.7	3263.8	2799.9	2448.5	2279.7	2205.6	2200.1
20°	5378.8	5130.4	4556.7	3948.7	3332.4	2692.8	2278.3	2113.6	2053.2	2027.2	2025.8
22.5°	5296.4	4986.3	4286.3	3567.1	2832.8	2263.2	2035.4	1964.0	1947.6	1947.6	1944.8
25°	5226.4	4842.2	4009.0	3162.2	2381.3	2014.8	1909.1	1878.9	1885.8	1898.2	1899.5
27.5°	5197.6	4729.6	3741.4	2746.4	2069.7	1870.7	1822.7	1818.6	1837.8	1857.0	1859.7
30°	5227.8	4652.7	3466.9	2348.3	1883.1	1782.9	1760.9	1769.1	1792.5	1811.7	1811.7
32.5°	5321.1	4614.3	3186.9	2057.4	1774.6	1721.1	1714.2	1722.5	1740.3	1751.3	1752.7
35°	5479.0	4629.4	2897.3	1861.1	1704.6	1675.8	1674.4	1679.9	1686.8	1693.7	1695.0
37.5°	5678.0	4696.7	2587.1	1747.2	1659.3	1642.9	1640.1	1638.8	1640.1	1640.1	1641.5
40°	5872.9	4798.2	2309.9	1679.9	1627.8	1614.1	1607.2	1597.6	1596.2	1593.5	1592.1
42.5°	6017.0	4876.5	2088.9	1631.9	1599.0	1582.5	1574.2	1559.2	1557.8	1556.4	1555.0
45°	6125.4	4942.3	1905.0	1585.2	1568.8	1553.7	1535.8	1522.1	1524.8	1527.6	1527.6
47.5°	6247.6	5000.0	1770.5	1541.3	1531.7	1516.6	1494.6	1485.0	1494.6	1504.3	1504.3
50°	6395.8	5081.0	1660.7	1497.4	1493.3	1475.4	1456.2	1452.1	1463.1	1476.8	1476.8
52.5°	6504.2	5151.0	1582.5	1453.5	1453.5	1430.1	1413.7	1412.3	1424.6	1438.4	1439.7
55°	6707.4	5314.3	1555.0	1402.7	1397.2	1379.4	1367.0	1357.4	1372.5	1384.8	1384.8
57.5°	6936.6	5531.1	1561.9	1329.9	1323.1	1317.6	1308.0	1297.0	1301.1	1314.8	1316.2
60°	6450.7	5111.2	1486.4	1257.2	1253.1	1250.3	1238.0	1218.8	1224.3	1235.2	1236.6
62.5°	4505.9	3396.9	1202.3	1166.6	1180.3	1179.0	1162.5	1140.5	1141.9	1157.0	1157.0
65°	2338.7	1837.8	1055.4	1084.3	1104.9	1096.6	1069.2	1050.0	1047.2	1066.4	1062.3
67.5°	1008.8	1003.3	960.7	997.8	1019.8	1001.9	973.1	941.5	944.3	951.1	945.6
70°	812.5	837.2	855.1	894.9	912.7	879.8	848.2	830.4	815.3	813.9	804.3
72.5°	649.2	683.5	723.3	764.5	770.0	737.0	697.2	680.8	657.4	656.1	646.4
75°	488.6	517.4	549.0	581.9	581.9	550.4	524.3	516.1	488.6	480.4	472.1
77.5°	333.5	351.4	376.1	384.3	392.5	380.2	354.1	340.4	308.8	300.6	289.6
80°	210.0	222.3	237.4	242.9	251.2	236.1	215.5	200.4	178.4	171.6	166.1
82.5°	126.3	134.5	144.1	146.9	153.7	142.7	123.5	112.5	100.2	94.7	90.6
85°	64.5	68.6	74.1	75.5	74.1	63.1	56.3	50.8	42.5	41.2	38.4
87.5°	16.5	19.2	20.6	19.2	17.8	13.7	9.6	6.9	2.7	2.7	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)