

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: P635999

Luminaire Tested: GWS-SA3E-830-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635999
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-SA3E-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14630.1 lumens
Efficiency: N/A
Efficacy: 91.9 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

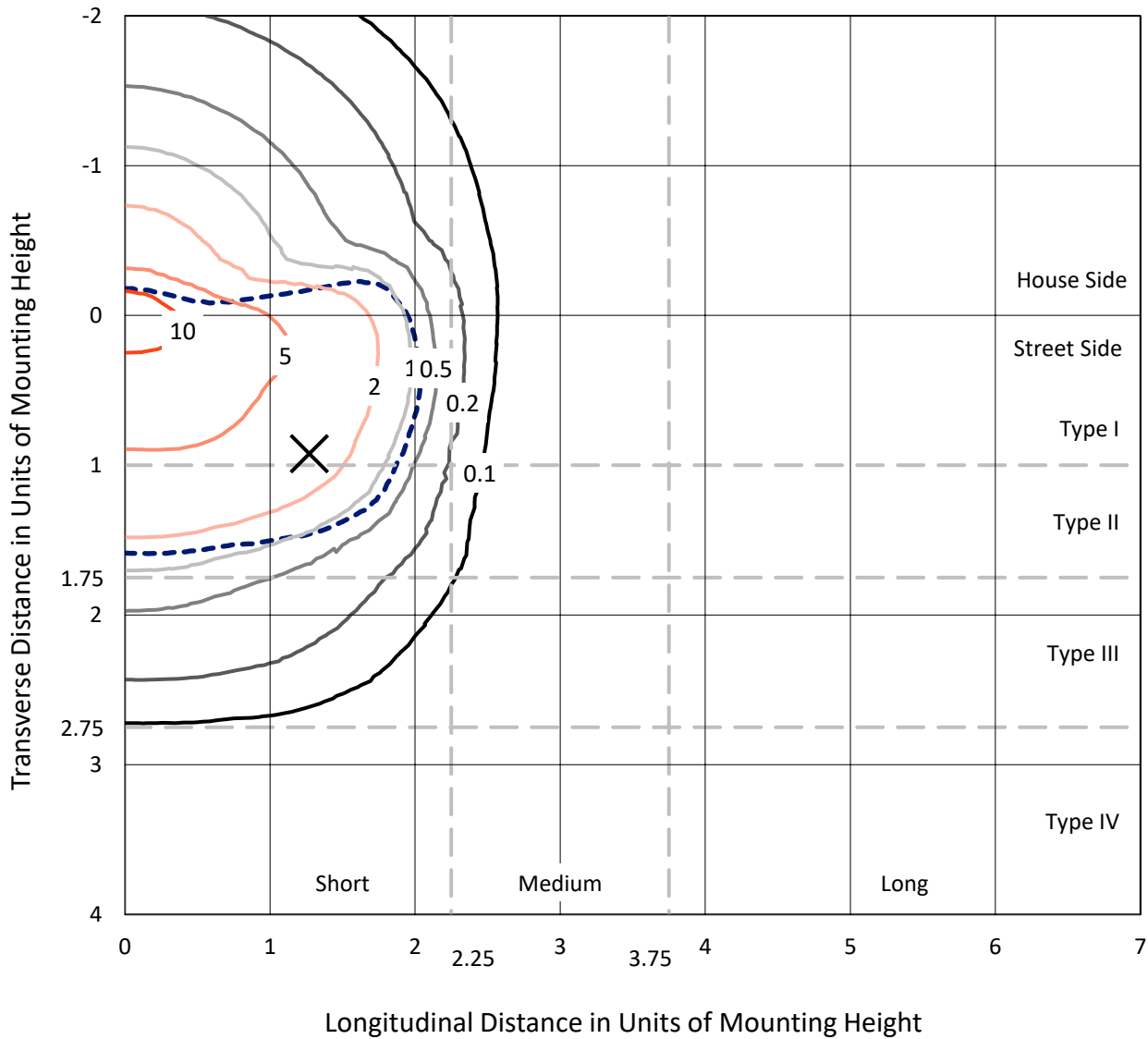
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

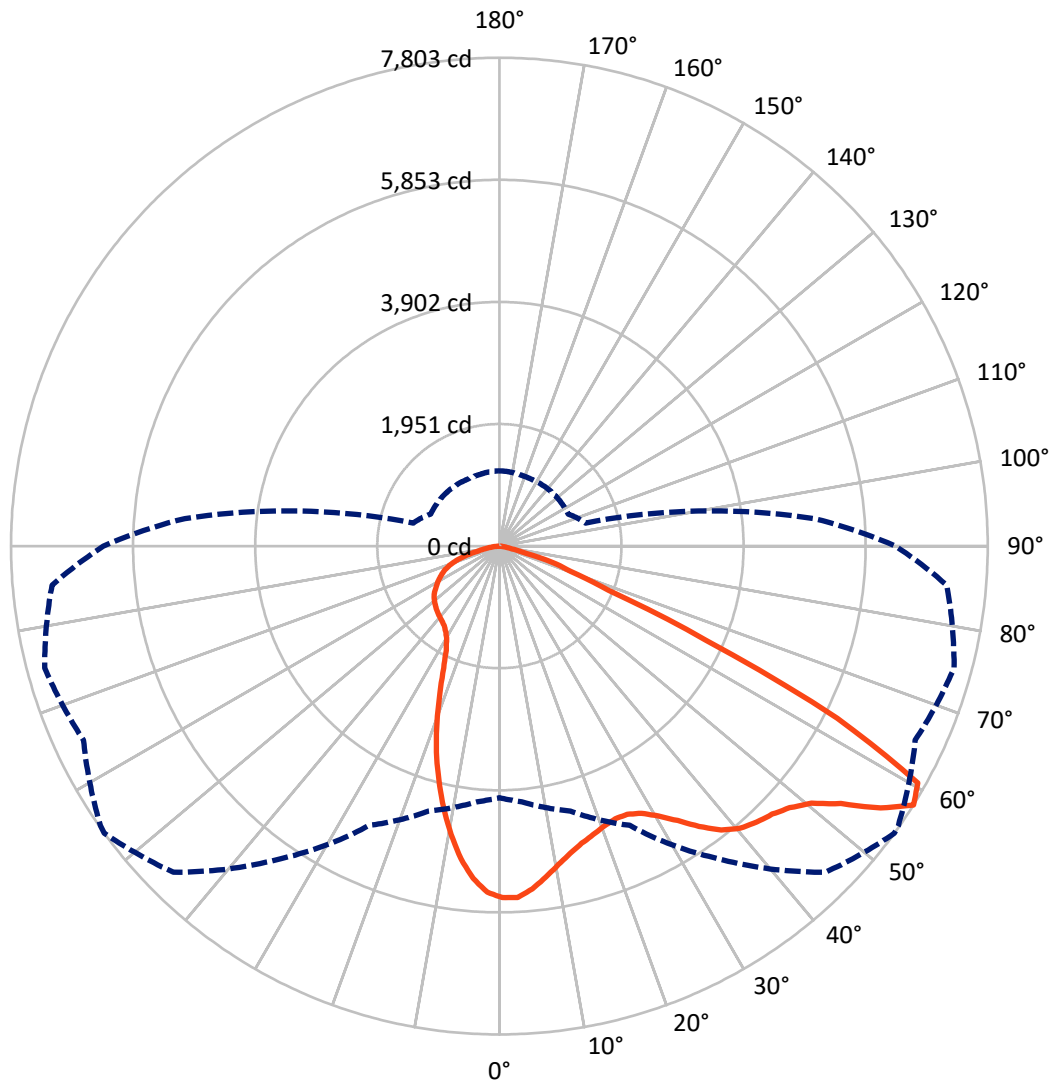
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 14 fc
 Type II - Short - N/A

REPORT NUMBER: P635999
CATALOG NUMBER: GWS-SA3E-830-U-SL3-W-GRSWH

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA3E-830-U-SL3-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4253.1	0.0	4253.1
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	10377.0	0.0	10377.0
	% Fixture	70.9	0.0	70.9
Total	Lumens	14630.1	0.0	14630.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	493.7	3.4
10°-20°	1178.1	8.1
20°-30°	1630.3	11.1
30°-40°	2265.3	15.5
40°-50°	2991.7	20.4
50°-60°	3555.2	24.3
60°-70°	1969.6	13.5
70°-80°	490.5	3.4
80°-90°	55.8	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°	14630.1	100.0
0°-180°	14630.1	100.0

Coefficient of Utilization



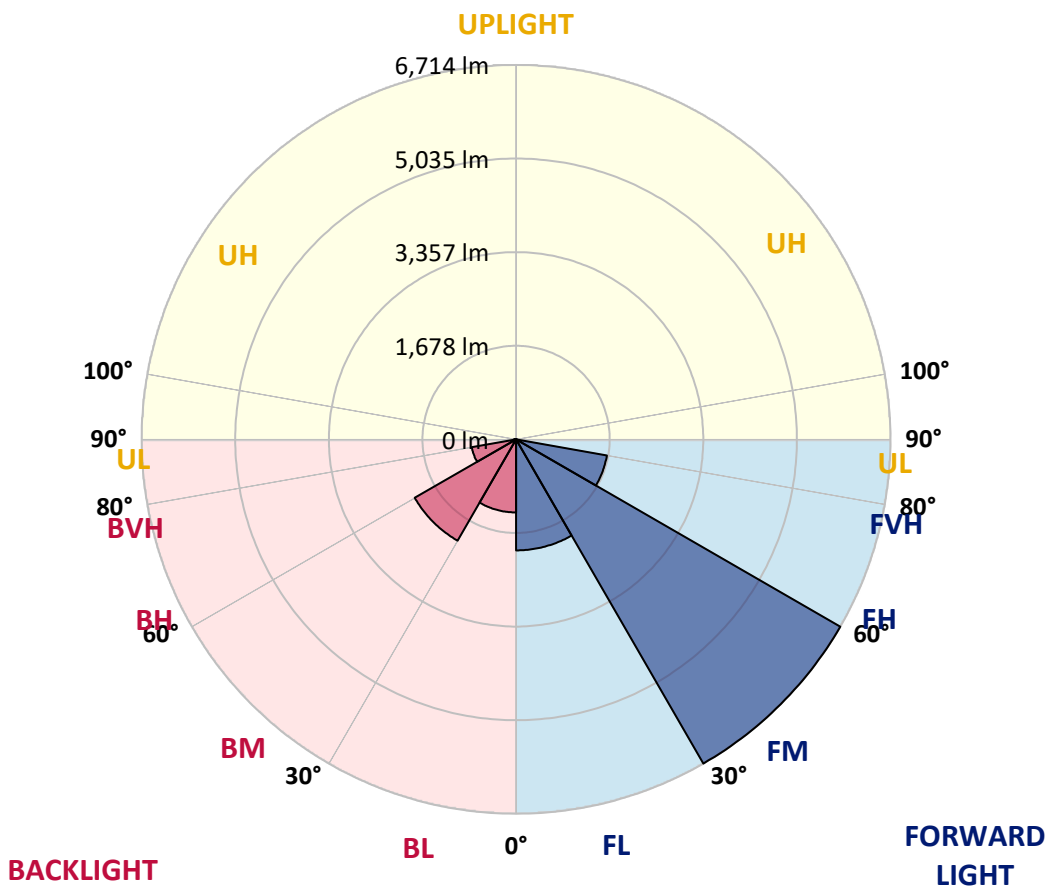
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1991.4	13.6			
FM (30°-60°)	6714.0	45.9			
FH (60°-80°)	1654.1	11.3			G1/1800
FVH (80°-90°)	17.5	0.1			G1/100
BL (0°-30°)	1310.6	9.0	B3/2500		
BM (30°-60°)	2098.2	14.3	B2/2500		
BH (60°-80°)	806.0	5.5	B2/1000		G2/1000
BVH (80°-90°)	38.3	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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CATALOG NUMBER: GWS-SA3E-830-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	5616.8	5616.8	5616.8	5616.8	5616.8	5616.8	5616.8	5616.8	5616.8	5616.8	5616.8
2.5°	5511.6	5522.9	5530.4	5556.7	5579.3	5599.3	5620.6	5620.6	5619.3	5615.6	5608.1
5°	5293.7	5306.2	5323.8	5360.1	5408.9	5444.0	5501.6	5506.6	5531.7	5541.7	5536.7
7.5°	5040.7	5044.5	5067.0	5114.6	5192.3	5254.9	5337.6	5347.6	5407.7	5442.7	5436.5
10°	4764.0	4751.4	4791.5	4861.7	4963.1	5068.3	5174.7	5183.5	5279.9	5346.3	5341.3
12.5°	4511.0	4512.2	4552.3	4637.5	4764.0	4894.2	5037.0	5057.0	5176.0	5261.2	5252.4
15°	4299.3	4304.4	4353.2	4449.6	4593.7	4748.9	4926.8	4945.6	5095.8	5208.6	5183.5
17.5°	4130.3	4135.3	4177.9	4288.1	4442.1	4630.0	4846.6	4865.4	5052.0	5186.0	5134.7
20°	4013.8	4011.3	4052.6	4157.8	4316.9	4521.0	4776.5	4804.0	5038.2	5194.8	5102.1
22.5°	3966.2	3965.0	3995.0	4081.4	4230.5	4437.1	4733.9	4771.5	5053.3	5233.6	5082.1
25°	3990.0	3985.0	4011.3	4075.2	4194.1	4404.5	4746.4	4786.5	5117.1	5313.8	5085.8
27.5°	4063.9	4057.6	4080.2	4137.8	4228.0	4438.4	4834.1	4880.4	5252.4	5460.3	5135.9
30°	4176.6	4172.9	4195.4	4250.5	4329.4	4551.1	5001.9	5054.5	5461.5	5688.2	5244.9
32.5°	4308.1	4301.9	4341.9	4405.8	4497.2	4756.5	5227.3	5296.2	5709.5	5981.3	5427.7
35°	4455.9	4450.9	4506.0	4598.7	4730.2	5042.0	5500.4	5575.5	5962.5	6313.1	5670.7
37.5°	4599.9	4599.9	4706.4	4844.1	5009.4	5352.6	5757.1	5804.7	6137.8	6607.4	5931.2
40°	4727.7	4735.2	4895.5	5102.1	5312.5	5633.1	5926.2	5966.2	6215.5	6810.3	6157.8
42.5°	4869.2	4875.4	5062.0	5332.5	5583.0	5859.8	6028.9	6048.9	6230.5	6911.8	6318.1
45°	4981.9	4990.6	5222.3	5511.6	5818.5	6030.1	6110.3	6127.8	6251.8	6966.9	6434.6
47.5°	5040.7	5053.3	5318.8	5655.7	5977.5	6182.9	6244.3	6251.8	6339.4	7063.3	6574.9
50°	5030.7	5055.8	5355.1	5727.0	6095.2	6336.9	6459.7	6472.2	6518.5	7204.8	6738.9
52.5°	5119.6	5130.9	5432.7	5812.2	6263.0	6621.2	6834.1	6851.7	6830.4	7311.3	6836.6
55°	4971.9	5025.7	5336.3	5799.7	6518.5	7060.8	7388.9	7380.1	7113.4	7430.2	6999.4
57.5°	4021.3	4100.2	4384.5	4923.0	6097.7	7368.9	7803.4	7782.2	7332.6	7521.7	7176.0
60°	2784.0	2796.5	3053.2	3435.2	4706.4	6509.8	7682.0	7728.3	7372.6	7406.4	6849.1
62.5°	2226.7	2222.9	2246.7	2256.7	2993.1	4576.1	6063.9	6233.0	6125.3	5770.9	4854.1
65°	1901.1	1914.9	1985.0	1948.7	1953.7	2577.4	3623.1	3646.9	3571.7	3444.0	2567.3
67.5°	1487.8	1511.6	1635.6	1777.1	1732.0	1659.4	1879.8	1868.5	1472.8	1139.6	941.8
70°	931.8	946.8	1079.5	1395.1	1507.8	1362.6	1208.5	1203.5	789.0	648.7	711.3
72.5°	543.5	546.0	583.6	777.7	1000.6	931.8	889.2	856.6	507.2	517.2	567.3
75°	299.3	299.3	298.1	335.6	394.5	349.4	338.1	329.4	339.4	384.5	422.0
77.5°	62.6	63.9	67.6	88.9	115.2	140.3	176.6	177.8	221.7	256.7	286.8
80°	28.8	30.1	37.6	47.6	61.4	81.4	107.7	109.0	134.0	161.6	181.6
82.5°	15.0	16.3	20.0	25.0	32.6	42.6	60.1	60.1	80.2	95.2	107.7
85°	5.0	5.0	7.5	10.0	13.8	17.5	23.8	23.8	35.1	46.3	53.9
87.5°	0.0	0.0	0.0	0.0	1.3	2.5	5.0	5.0	6.3	7.5	12.5
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°	5616.8	5616.8	5616.8	5616.8	5616.8	5616.8	5616.8	5616.8	5616.8	5616.8	5616.8
2.5°	5591.8	5553.0	5554.2	5561.7	5537.9	5501.6	5477.8	5447.8	5429.0	5425.2	5439.0
5°	5511.6	5466.5	5435.2	5402.7	5335.0	5254.9	5192.3	5140.9	5107.1	5094.6	5079.6
7.5°	5401.4	5342.6	5263.7	5172.2	5049.5	4906.7	4806.6	4712.6	4647.5	4628.7	4620.0
10°	5291.2	5206.1	5065.8	4895.5	4691.3	4498.5	4316.9	4177.9	4067.7	4005.0	4025.1
12.5°	5177.2	5072.1	4852.9	4591.1	4306.9	4016.3	3778.4	3547.9	3370.1	3281.2	3254.9
15°	5077.1	4934.3	4628.7	4274.3	3896.1	3530.4	3186.0	2840.3	2614.9	2492.2	2458.4
17.5°	4991.9	4806.6	4392.0	3951.2	3499.1	2978.1	2554.8	2234.2	2080.2	2012.5	2007.5
20°	4908.0	4681.3	4157.8	3603.0	3040.7	2457.1	2078.9	1928.6	1873.5	1849.7	1848.5
22.5°	4832.9	4549.8	3911.1	3254.9	2584.9	2065.1	1857.2	1792.1	1777.1	1777.1	1774.6
25°	4769.0	4418.3	3658.1	2885.4	2172.8	1838.5	1742.0	1714.5	1720.7	1732.0	1733.3
27.5°	4742.7	4315.6	3413.9	2506.0	1888.6	1707.0	1663.1	1659.4	1676.9	1694.4	1696.9
30°	4770.2	4245.5	3163.5	2142.8	1718.2	1626.8	1606.8	1614.3	1635.6	1653.1	1653.1
32.5°	4855.4	4210.4	2908.0	1877.3	1619.3	1570.5	1564.2	1571.7	1588.0	1598.0	1599.3
35°	4999.4	4224.2	2643.7	1698.2	1555.4	1529.1	1527.9	1532.9	1539.1	1545.4	1546.7
37.5°	5181.0	4285.6	2360.7	1594.3	1514.1	1499.1	1496.6	1495.3	1496.6	1496.6	1497.8
40°	5358.8	4378.2	2107.7	1532.9	1485.3	1472.8	1466.5	1457.7	1456.5	1454.0	1452.7
42.5°	5490.3	4449.6	1906.1	1489.1	1459.0	1444.0	1436.5	1422.7	1421.4	1420.2	1418.9
45°	5589.3	4509.7	1738.3	1446.5	1431.4	1417.7	1401.4	1388.9	1391.4	1393.9	1393.9
47.5°	5700.7	4562.3	1615.5	1406.4	1397.6	1383.9	1363.8	1355.1	1363.8	1372.6	1372.6
50°	5836.0	4636.2	1515.4	1366.3	1362.6	1346.3	1328.8	1325.0	1335.0	1347.5	1347.5
52.5°	5934.9	4700.1	1444.0	1326.2	1326.2	1305.0	1289.9	1288.7	1299.9	1312.5	1313.7
55°	6120.3	4849.1	1418.9	1279.9	1274.9	1258.6	1247.3	1238.6	1252.4	1263.6	1263.6
57.5°	6329.4	5047.0	1425.2	1213.5	1207.3	1202.3	1193.5	1183.5	1187.2	1199.8	1201.0
60°	5886.1	4663.8	1356.3	1147.2	1143.4	1140.9	1129.6	1112.1	1117.1	1127.1	1128.4
62.5°	4111.5	3099.6	1097.1	1064.5	1077.0	1075.8	1060.7	1040.7	1042.0	1055.7	1055.7
65°	2134.0	1676.9	963.1	989.4	1008.1	1000.6	975.6	958.1	955.5	973.1	969.3
67.5°	920.5	915.5	876.7	910.5	930.5	914.2	887.9	859.1	861.6	867.9	862.9
70°	741.4	763.9	780.2	816.5	832.8	802.8	774.0	757.7	743.9	742.6	733.9
72.5°	592.4	623.7	660.0	697.6	702.6	672.5	636.2	621.2	599.9	598.6	589.9
75°	445.8	472.1	500.9	531.0	531.0	502.2	478.4	470.9	445.8	438.3	430.8
77.5°	304.3	320.6	343.1	350.7	358.2	346.9	323.1	310.6	281.8	274.3	264.2
80°	191.6	202.9	216.7	221.7	229.2	215.4	196.6	182.8	162.8	156.5	151.5
82.5°	115.2	122.7	131.5	134.0	140.3	130.2	112.7	102.7	91.4	86.4	82.7
85°	58.9	62.6	67.6	68.9	67.6	57.6	51.3	46.3	38.8	37.6	35.1
87.5°	15.0	17.5	18.8	17.5	16.3	12.5	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)