

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: P635555

Luminaire Tested: GWS-SA3E-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635555
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-SA3E-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13796.8 lumens
Efficiency: N/A
Efficacy: 86.7 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

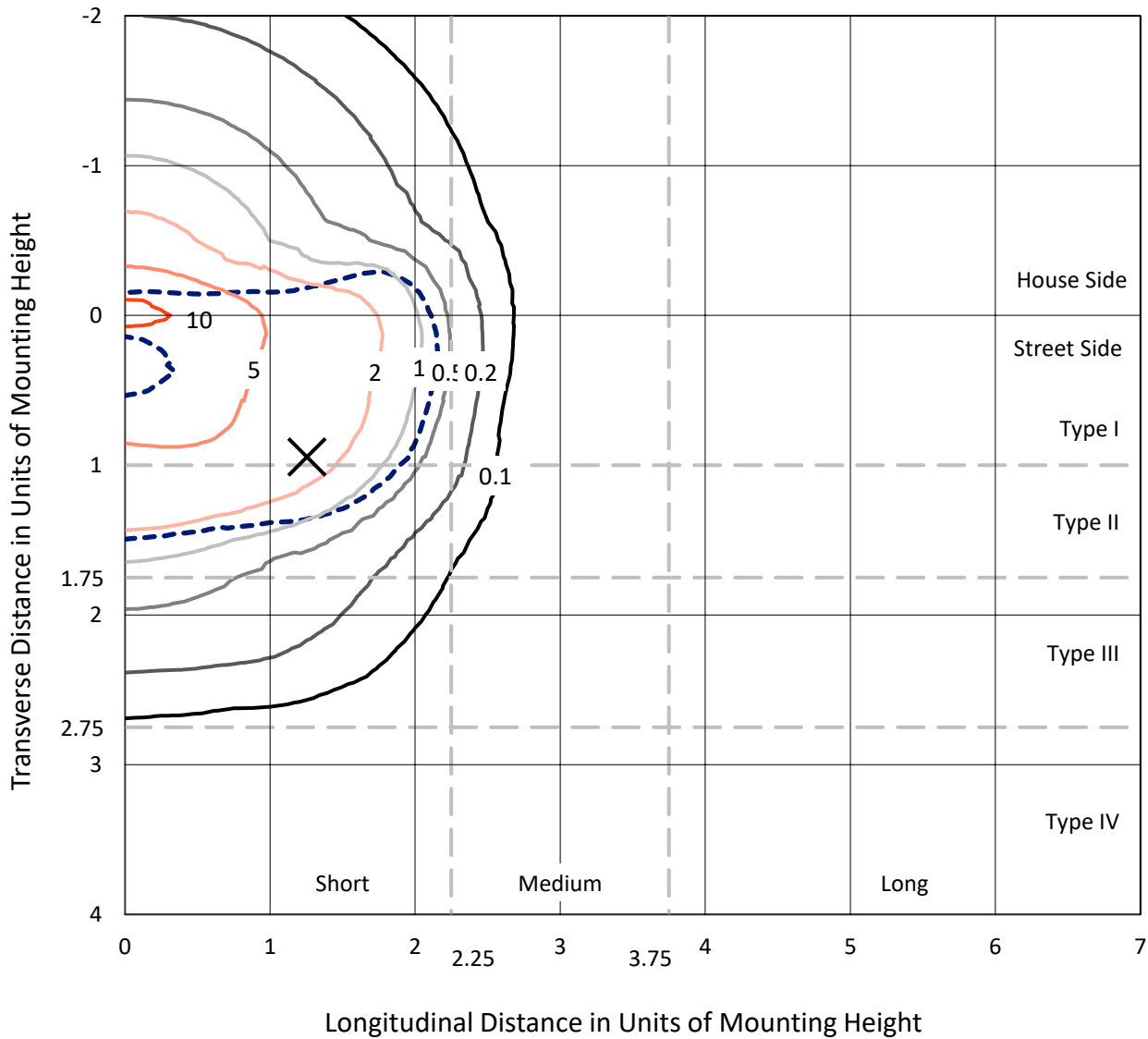
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

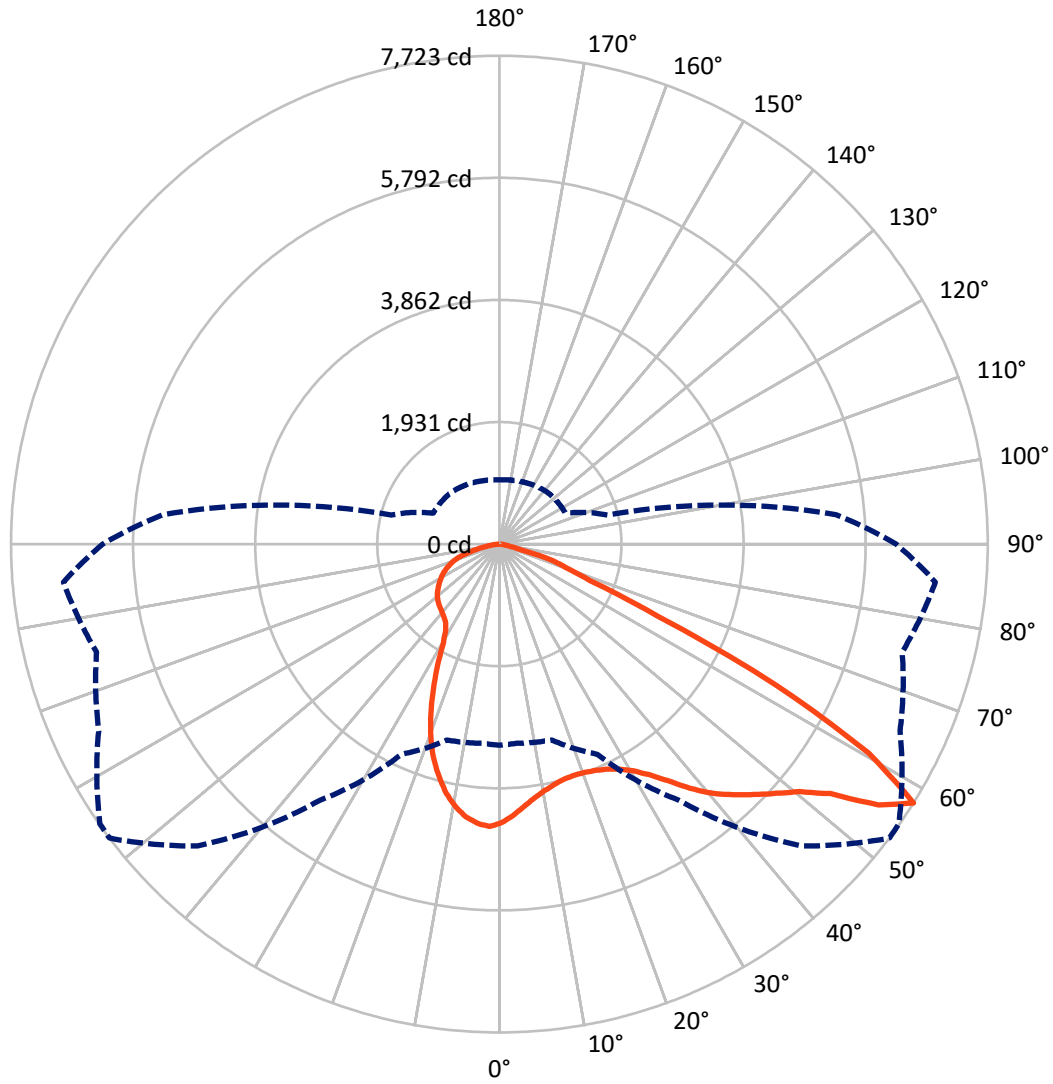
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11 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	4313.8	0.0	4313.8
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	9483.0	0.0	9483.0
	% Fixture	68.7	0.0	68.7
Total	Lumens	13796.8	0.0	13796.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.4	2.9
10°-20°	1045.2	7.6
20°-30°	1540.0	11.2
30°-40°	2155.6	15.6
40°-50°	2833.7	20.5
50°-60°	3322.5	24.1
60°-70°	1957.3	14.2
70°-80°	486.9	3.5
80°-90°	57.1	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°	13796.8	100.0
0°-180°	13796.8	100.0

Coefficient of Utilization



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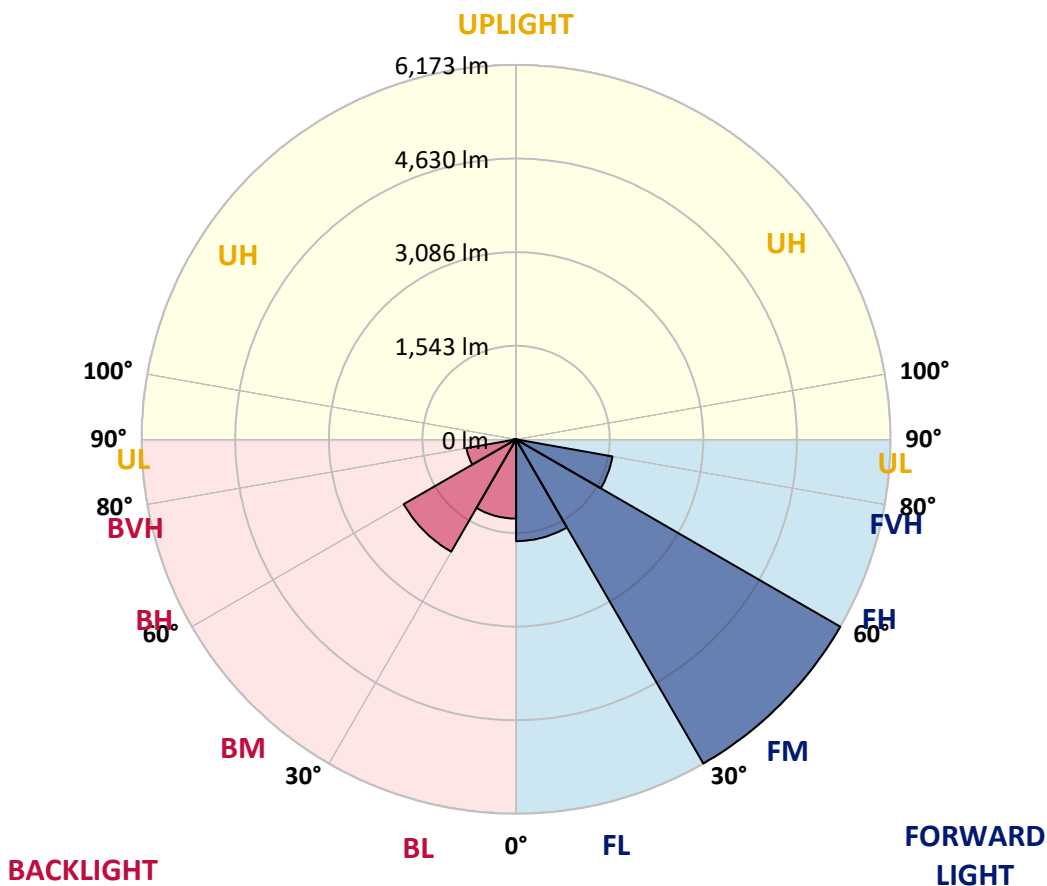
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1677.4	12.2			
FM (30°-60°)	6172.8	44.7			
FH (60°-80°)	1613.7	11.7			G1/1800
FVH (80°-90°)	19.1	0.1			G1/100
BL (0°-30°)	1306.2	9.5	B3/2500		
BM (30°-60°)	2139.0	15.5	B2/2500		
BH (60°-80°)	830.5	6.0	B2/1000		G2/1000
BVH (80°-90°)	38.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	4405.7	4405.7	4405.7	4405.7	4405.7	4405.7	4405.7	4405.7	4405.7	4405.7	4405.7
2.5°	4152.5	4164.2	4166.5	4202.5	4204.8	4257.1	4291.9	4284.9	4320.9	4365.0	4399.9
5°	3954.0	3955.1	3966.7	4009.7	4032.9	4101.4	4159.5	4159.5	4229.2	4319.8	4397.6
7.5°	3790.2	3789.1	3799.5	3847.1	3885.5	3967.9	4046.9	4056.2	4153.7	4286.1	4412.7
10°	3638.1	3646.2	3657.9	3715.9	3764.7	3866.9	3960.9	3976.0	4099.1	4262.9	4433.6
12.5°	3540.6	3541.7	3559.2	3624.2	3686.9	3796.0	3894.8	3913.3	4055.0	4240.8	4448.7
15°	3477.9	3479.0	3497.6	3569.6	3642.8	3753.1	3854.1	3875.0	4029.5	4237.3	4477.7
17.5°	3450.0	3448.8	3466.3	3538.3	3618.4	3733.3	3841.3	3866.9	4041.1	4264.0	4528.8
20°	3450.0	3451.2	3460.5	3525.5	3606.8	3728.7	3854.1	3885.5	4086.4	4324.4	4607.7
22.5°	3498.8	3503.4	3508.1	3552.2	3616.1	3735.7	3887.8	3929.6	4183.9	4425.4	4711.1
25°	3594.0	3595.2	3599.8	3635.8	3664.8	3755.4	3943.5	4006.2	4336.0	4572.9	4841.2
27.5°	3721.7	3738.0	3742.6	3765.9	3765.9	3804.2	4030.6	4121.2	4541.6	4785.4	5007.2
30°	3900.6	3906.4	3914.5	3940.0	3912.2	3895.9	4158.3	4274.5	4779.6	5042.0	5206.9
32.5°	4057.3	4070.1	4114.2	4156.0	4106.1	4055.0	4346.5	4483.5	5008.4	5309.1	5419.4
35°	4190.9	4222.2	4307.0	4399.9	4365.0	4314.0	4596.1	4739.0	5196.5	5500.7	5607.6
37.5°	4352.3	4376.7	4492.8	4643.7	4675.1	4650.7	4900.4	5002.6	5321.9	5549.5	5709.7
40°	4516.0	4553.2	4703.0	4912.0	5031.6	5049.0	5181.4	5249.9	5364.9	5454.3	5690.0
42.5°	4683.2	4747.1	4952.6	5196.5	5409.0	5448.5	5418.3	5447.3	5350.9	5323.1	5598.3
45°	4887.6	4963.1	5195.3	5506.5	5786.4	5847.9	5650.5	5623.8	5348.6	5273.1	5541.4
47.5°	5129.1	5204.6	5426.4	5788.7	6146.4	6191.7	5888.6	5839.8	5429.9	5349.8	5618.0
50°	5342.8	5395.1	5593.6	5998.9	6482.0	6508.7	6151.0	6091.8	5631.9	5562.3	5857.2
52.5°	5125.7	5119.8	5328.9	5828.2	6656.1	6977.8	6555.1	6498.2	6022.1	5915.3	6227.7
55°	4348.8	4282.6	4469.6	4960.8	6169.6	7394.7	7279.7	7165.9	6542.3	6270.6	6574.9
57.5°	3179.4	3160.9	3206.1	3667.2	4942.2	6749.0	7723.3	7712.9	6991.7	6595.8	6920.9
60°	2486.2	2458.3	2337.5	2350.3	3368.7	5272.0	6702.6	7010.3	7270.4	6790.8	7162.4
62.5°	2207.5	2186.6	2123.9	1950.9	2006.6	3534.8	4913.1	5195.3	6353.1	5997.7	6152.2
65°	1827.8	1822.0	1874.2	1867.3	1681.5	1952.0	2773.0	3057.5	3994.6	4044.5	3994.6
67.5°	1328.4	1318.0	1450.4	1711.6	1618.7	1473.6	1545.6	1644.3	2048.4	1839.4	1655.9
70°	864.0	848.9	925.5	1236.7	1449.2	1284.3	1113.6	1097.4	1126.4	700.2	757.1
72.5°	579.5	562.0	560.9	680.5	875.6	865.1	862.8	854.7	762.9	552.7	613.1
75°	322.8	308.9	305.4	293.8	313.5	319.3	340.2	351.9	380.9	419.2	464.5
77.5°	54.6	53.4	67.4	85.9	118.4	152.1	188.1	198.6	245.0	290.3	319.3
80°	30.2	31.4	40.6	49.9	66.2	90.6	116.1	123.1	151.0	175.3	198.6
82.5°	16.3	16.3	20.9	26.7	36.0	47.6	62.7	68.5	87.1	102.2	118.4
85°	5.8	5.8	8.1	10.5	15.1	19.7	24.4	27.9	38.3	52.3	59.2
87.5°	0.0	0.0	0.0	0.0	1.2	2.3	4.6	4.6	5.8	10.5	15.1
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°	4405.7	4405.7	4405.7	4405.7	4405.7	4405.7	4405.7	4405.7	4405.7	4405.7	4405.7
2.5°	4428.9	4397.6	4440.5	4460.3	4467.2	4471.9	4441.7	4420.8	4413.8	4391.8	4379.0
5°	4445.2	4424.3	4464.9	4464.9	4435.9	4405.7	4344.1	4301.2	4271.0	4235.0	4229.2
7.5°	4473.0	4457.9	4480.0	4434.7	4361.6	4280.3	4173.4	4089.8	4022.5	3978.4	3979.5
10°	4510.2	4491.6	4474.2	4373.2	4239.6	4089.8	3926.1	3804.2	3692.7	3641.6	3613.7
12.5°	4534.6	4507.9	4434.7	4267.5	4071.3	3870.4	3639.3	3458.1	3296.7	3223.6	3217.8
15°	4564.8	4516.0	4369.7	4130.5	3857.6	3583.5	3286.3	3034.3	2816.0	2702.2	2696.4
17.5°	4604.3	4524.1	4291.9	3973.7	3632.3	3228.2	2854.3	2537.3	2305.0	2216.8	2231.9
20°	4660.0	4533.4	4203.6	3799.5	3352.5	2824.1	2358.4	2067.0	1977.6	1971.8	1960.1
22.5°	4722.7	4539.2	4106.1	3604.4	3013.4	2393.3	1948.5	1824.3	1823.1	1852.2	1859.1
25°	4793.5	4543.9	3995.8	3376.8	2646.4	1963.6	1723.3	1686.1	1715.1	1769.7	1776.7
27.5°	4884.1	4553.2	3862.2	3127.2	2256.3	1696.6	1599.0	1589.7	1624.6	1675.6	1673.3
30°	5017.7	4586.8	3720.6	2840.4	1855.6	1570.0	1523.5	1524.7	1538.6	1563.0	1566.5
32.5°	5153.5	4639.1	3582.4	2517.5	1625.7	1498.0	1477.1	1474.8	1474.8	1485.2	1487.5
35°	5282.4	4698.3	3432.6	2180.8	1514.2	1456.2	1442.2	1435.3	1431.8	1429.5	1426.0
37.5°	5354.4	4727.4	3286.3	1848.7	1455.0	1428.3	1414.4	1405.1	1392.3	1383.0	1380.7
40°	5323.1	4693.7	3116.7	1600.2	1419.0	1401.6	1385.3	1372.6	1355.2	1347.0	1342.4
42.5°	5218.5	4589.2	2932.1	1482.9	1390.0	1372.6	1352.8	1331.9	1320.3	1313.3	1312.2
45°	5108.2	4462.6	2709.1	1414.4	1362.1	1341.2	1318.0	1294.8	1282.0	1278.5	1277.3
47.5°	5104.7	4399.9	2472.2	1359.8	1328.4	1307.5	1278.5	1255.3	1241.4	1236.7	1232.1
50°	5258.0	4463.8	2205.2	1312.2	1293.6	1271.5	1239.0	1213.5	1196.1	1190.3	1189.1
52.5°	5576.2	4704.1	1966.0	1264.6	1247.2	1221.6	1194.9	1169.4	1148.5	1138.0	1136.8
55°	5919.9	5009.5	1817.3	1215.8	1192.6	1170.5	1146.1	1118.3	1095.0	1078.8	1076.5
57.5°	6275.3	5342.8	1772.0	1154.3	1136.8	1121.7	1092.7	1062.5	1035.8	1020.7	1017.2
60°	6567.9	5629.6	1856.8	1089.2	1079.9	1060.2	1033.5	1004.5	985.9	974.3	971.9
62.5°	5498.4	4583.4	1499.1	1018.4	1018.4	997.5	967.3	946.4	933.6	925.5	923.2
65°	3489.5	2838.0	1023.0	947.6	946.4	918.5	893.0	879.0	873.2	860.5	858.1
67.5°	1520.0	1297.1	874.4	875.6	870.9	840.7	815.2	804.7	793.1	779.2	778.0
70°	788.5	803.6	782.7	795.4	787.3	751.3	726.9	710.7	686.3	672.3	673.5
72.5°	636.4	652.6	675.8	695.6	678.2	649.1	610.8	591.1	559.7	544.6	545.8
75°	485.4	502.8	524.9	545.8	531.8	495.8	471.5	451.7	415.7	398.3	401.8
77.5°	334.4	343.7	370.4	369.3	364.6	354.2	318.2	295.0	257.8	236.9	239.2
80°	207.9	213.7	226.4	232.2	229.9	216.0	187.0	169.5	147.5	134.7	135.9
82.5°	125.4	128.9	140.5	141.7	140.5	130.1	108.0	95.2	81.3	74.3	74.3
85°	63.9	66.2	73.2	73.2	66.2	55.7	49.9	44.1	36.0	32.5	32.5
87.5°	17.4	17.4	22.1	18.6	15.1	13.9	7.0	5.8	2.3	1.2	1.2
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)