

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: P643009

Luminaire Tested: GWS-SA6E-722-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643009
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-722-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32995.8 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

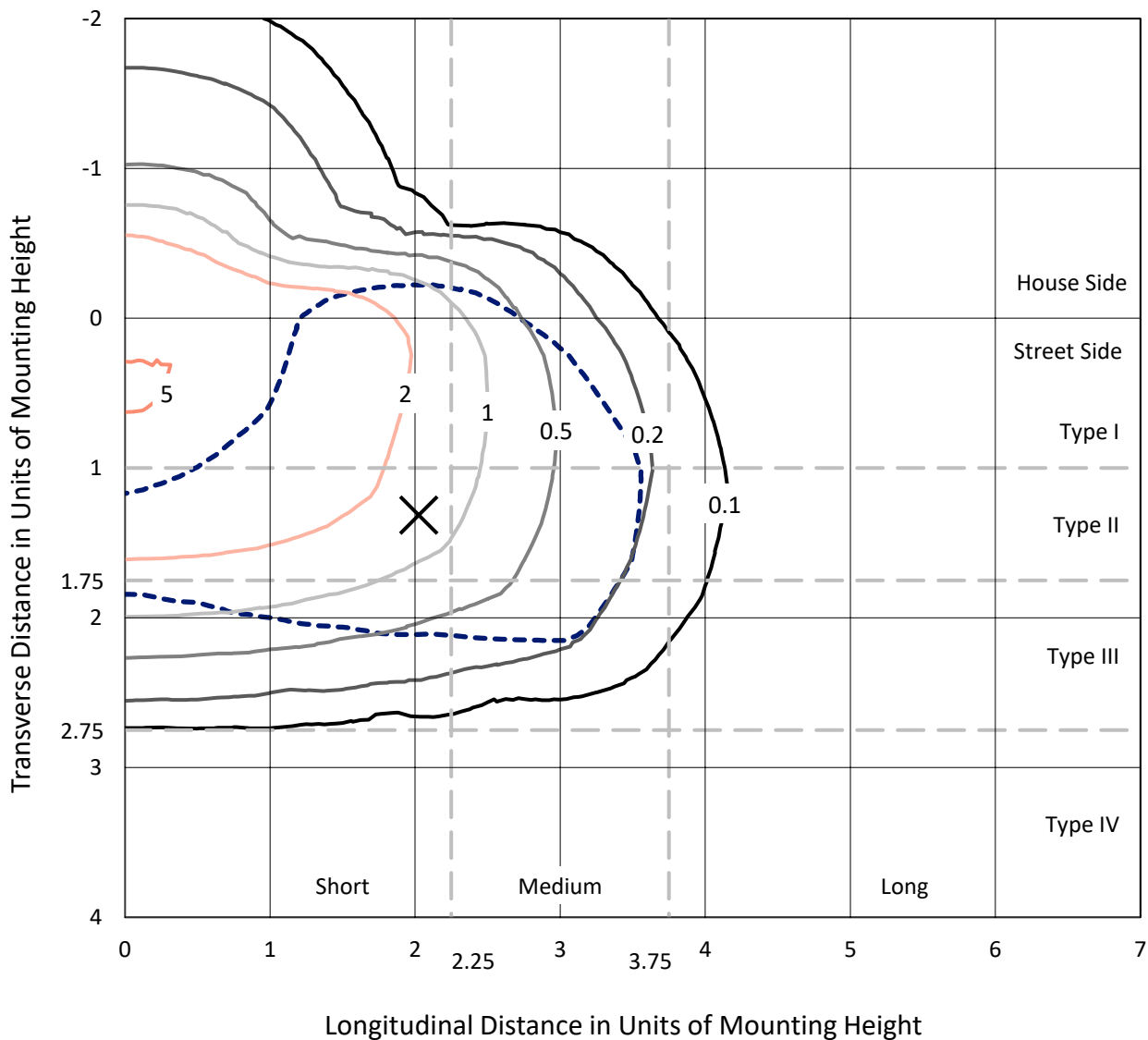
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

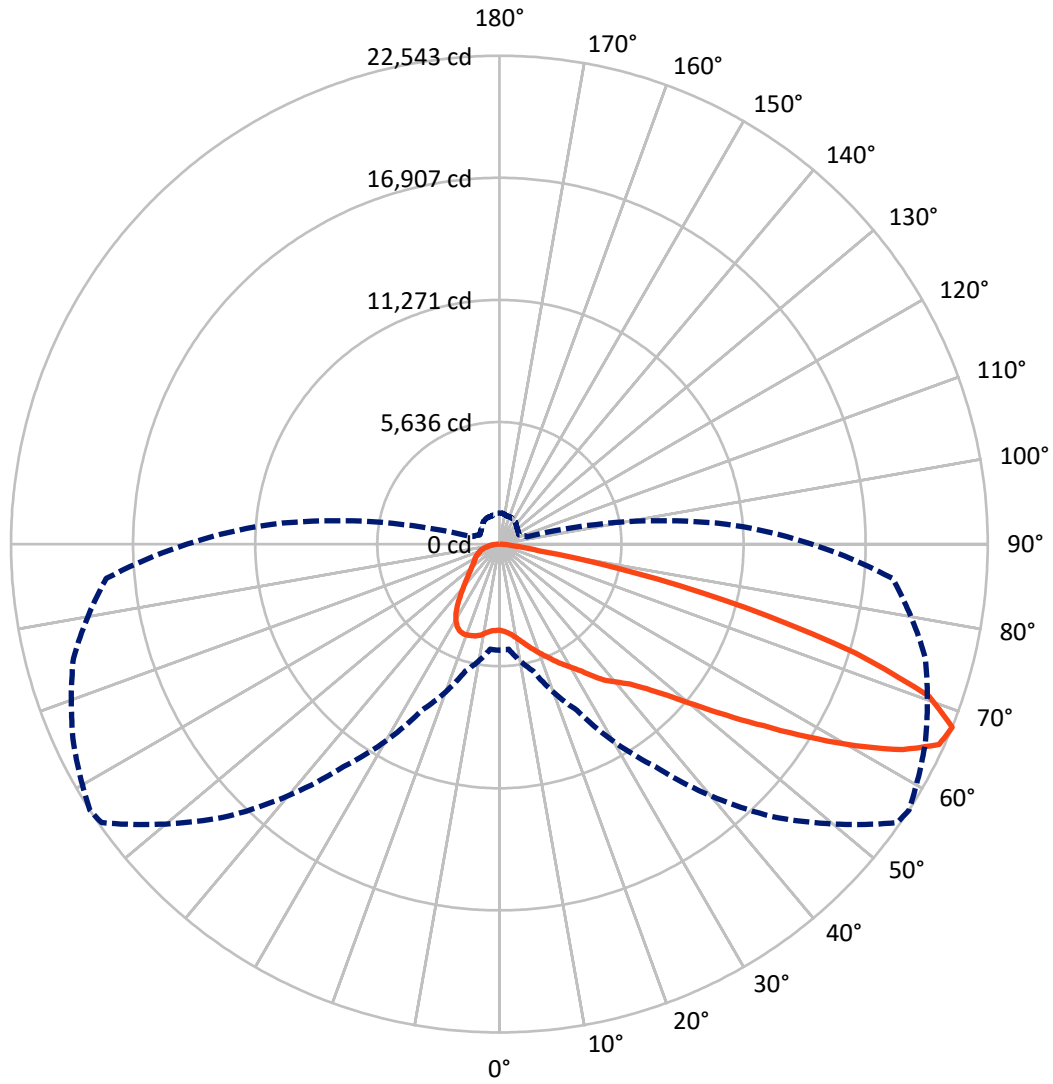
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7254.5	0.0	7254.5
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	25741.3	0.0	25741.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	32995.8	0.0	32995.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.3	1.2
10°-20°	1305.4	4.0
20°-30°	2327.2	7.1
30°-40°	3383.5	10.3
40°-50°	4897.1	14.8
50°-60°	7663.8	23.2
60°-70°	8940.3	27.1
70°-80°	3732.0	11.3
80°-90°	352.2	1.1
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°	32995.8	100.0
0°-180°	32995.8	100.0

Coefficient of Utilization



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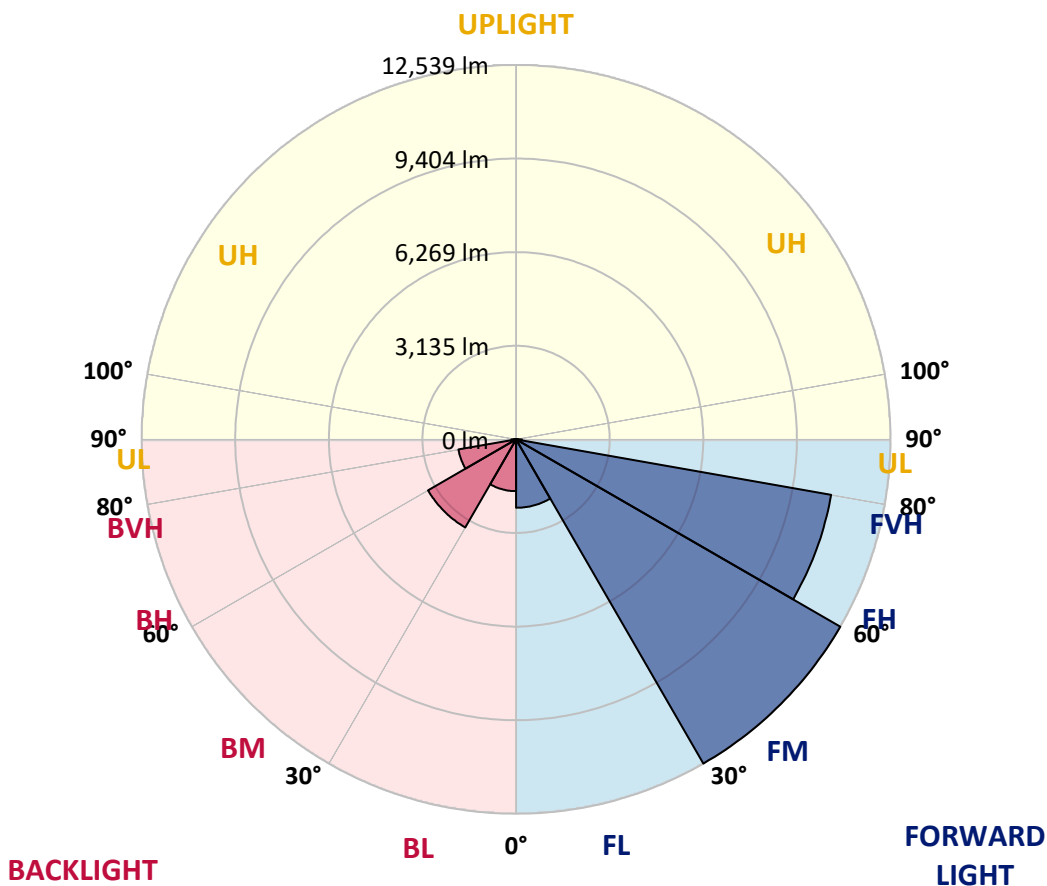
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2291.9	6.9			
FM (30°-60°)	12538.9	38.0			
FH (60°-80°)	10714.3	32.5			G4/12000
FVH (80°-90°)	196.2	0.6			G2/225
BL (0°-30°)	1735.1	5.3	B3/2500		
BM (30°-60°)	3405.5	10.3	B3/5000		
BH (60°-80°)	1958.0	5.9	B3/2500		G3/2500
BVH (80°-90°)	156.0	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	3975.8	3975.8	3975.8	3975.8	3975.8	3975.8	3975.8	3975.8	3975.8	3975.8	3975.8
2.5°	4032.5	4027.8	4025.4	4039.6	4034.9	4032.5	4032.5	4030.1	4025.4	4006.5	3980.5
5°	4143.6	4134.1	4124.7	4136.5	4127.0	4117.6	4115.2	4110.5	4094.0	4065.6	4025.4
7.5°	4259.4	4250.0	4252.3	4259.4	4252.3	4247.6	4240.5	4235.8	4209.8	4164.9	4110.5
10°	4422.5	4422.5	4427.2	4434.3	4436.7	4429.6	4415.4	4408.3	4377.6	4320.9	4245.2
12.5°	4658.9	4654.2	4654.2	4649.4	4656.5	4649.4	4635.2	4623.4	4585.6	4512.3	4403.6
15°	4970.9	4952.0	4935.4	4904.7	4895.3	4869.3	4874.0	4866.9	4831.4	4732.2	4595.1
17.5°	5304.2	5301.8	5275.8	5214.4	5152.9	5110.4	5119.8	5117.4	5098.5	4963.8	4788.9
20°	5597.3	5609.1	5585.5	5538.2	5455.5	5375.1	5370.4	5382.2	5358.5	5223.8	4980.3
22.5°	5925.8	5916.4	5892.7	5831.3	5769.8	5684.7	5656.4	5646.9	5637.5	5483.8	5176.5
25°	6237.8	6266.2	6235.5	6178.8	6084.2	5992.0	5968.4	5977.8	5951.8	5748.6	5386.9
27.5°	6632.6	6644.4	6625.5	6547.5	6467.1	6337.1	6292.2	6292.2	6282.8	5996.7	5552.4
30°	7053.3	7086.4	7053.3	6989.5	6906.8	6720.0	6623.1	6613.7	6585.3	6252.0	5746.2
32.5°	7476.4	7500.1	7476.4	7415.0	7320.4	7157.3	7017.9	6996.6	6958.8	6530.9	5944.7
35°	7852.3	7873.5	7868.8	7883.0	7805.0	7599.3	7514.3	7504.8	7405.5	6895.0	6214.2
37.5°	8263.5	8289.5	8254.1	8282.5	8251.7	8057.9	8031.9	7984.6	7842.8	7237.7	6497.9
40°	8731.6	8755.2	8698.5	8710.3	8674.8	8566.1	8433.7	8369.9	8159.5	7608.8	6944.6
42.5°	9232.7	9287.0	9313.0	9291.8	9209.0	9147.6	8915.9	8835.6	8660.7	8277.7	7679.7
45°	9958.3	10038.7	10076.5	10022.2	9986.7	9899.2	9615.6	9518.7	9426.5	9220.9	8705.6
47.5°	10740.7	10814.0	10934.5	10958.2	10986.5	10920.4	10520.9	10426.3	10442.9	10419.3	9967.8
50°	11364.7	11426.2	11698.0	11988.8	12229.9	12248.8	11738.2	11636.6	11726.4	11802.0	11487.7
52.5°	11818.6	11872.9	12232.2	12832.6	13378.6	13782.8	13232.1	13116.3	13189.5	13359.7	13215.5
55°	12187.3	12263.0	12638.8	13560.6	14664.5	15302.7	14950.5	14803.9	14773.2	14983.6	15066.3
57.5°	12381.1	12404.8	12931.9	14130.3	15607.6	16794.2	16947.8	16782.4	16489.3	16605.1	17035.3
60°	11939.1	11979.3	12700.2	14276.8	16352.2	18273.9	19044.5	18907.4	18283.3	18347.2	18822.3
62.5°	10717.1	10773.8	11641.3	13579.5	16413.6	19261.9	20980.3	20892.9	20056.1	19711.0	19852.8
65°	8596.8	8615.7	9514.0	11854.0	15191.6	19384.8	22330.0	22308.7	21294.7	20486.3	19878.8
67.5°	4902.3	4869.3	6070.0	8455.0	12537.1	17787.0	22417.5	22542.8	21696.5	20358.7	18224.2
70°	2125.0	2129.7	2682.8	4172.0	8114.6	14376.1	20822.0	21037.1	20533.6	18233.7	14499.0
72.5°	983.3	997.5	1236.2	1805.9	3465.2	8918.3	16978.6	17172.4	16739.8	14593.6	10549.3
75°	694.9	706.8	824.9	1035.3	1593.1	3474.7	11357.7	11764.2	11974.6	10915.6	6951.7
77.5°	527.1	543.7	602.7	718.6	983.3	1231.5	5434.2	6403.3	7627.7	6791.0	3581.0
80°	335.6	335.6	399.5	479.8	600.4	640.6	1569.5	1860.2	3732.3	2798.6	1406.4
82.5°	226.9	234.0	271.8	304.9	345.1	364.0	673.7	718.6	1077.9	952.6	579.1
85°	120.5	125.3	141.8	139.5	165.5	144.2	283.6	281.3	394.7	432.6	219.8
87.5°	0.0	0.0	2.4	2.4	4.7	7.1	30.7	33.1	82.7	132.4	73.3
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°	3975.8	3975.8	3975.8	3975.8	3975.8	3975.8	3975.8	3975.8	3975.8	3975.8	3975.8
2.5°	3994.7	3966.3	3980.5	3975.8	3990.0	3990.0	3964.0	3956.9	3959.2	3930.9	3921.4
5°	4030.1	3997.0	4004.1	3994.7	4008.9	4020.7	4008.9	4008.9	4023.0	4001.8	3990.0
7.5°	4110.5	4072.7	4072.7	4060.9	4077.4	4086.9	4077.4	4091.6	4117.6	4096.3	4084.5
10°	4238.1	4193.2	4195.6	4181.4	4188.5	4183.8	4146.0	4134.1	4141.2	4122.3	4112.9
12.5°	4403.6	4342.1	4342.1	4313.8	4297.2	4247.6	4169.6	4141.2	4146.0	4129.4	4122.3
15°	4562.0	4505.2	4493.4	4436.7	4361.1	4268.9	4198.0	4179.0	4183.8	4167.2	4155.4
17.5°	4748.7	4675.4	4632.9	4528.9	4389.4	4294.9	4224.0	4179.0	4141.2	4103.4	4094.0
20°	4921.3	4829.1	4751.1	4590.3	4420.1	4290.1	4157.8	4046.7	3954.5	3904.9	3893.0
22.5°	5098.5	4980.3	4843.3	4632.9	4417.8	4205.0	3961.6	3793.8	3656.7	3583.4	3597.6
25°	5266.4	5117.4	4930.7	4673.1	4342.1	4016.0	3685.0	3434.5	3278.5	3221.7	3205.2
27.5°	5405.8	5221.4	5011.1	4654.2	4186.1	3744.1	3306.8	3027.9	2876.6	2812.8	2796.3
30°	5561.8	5353.8	5126.9	4566.7	3940.3	3363.6	2879.0	2652.1	2543.4	2481.9	2484.3
32.5°	5741.5	5524.0	5290.0	4398.9	3625.9	2952.3	2526.8	2370.8	2283.3	2221.9	2212.4
35°	5982.6	5767.5	5398.7	4146.0	3226.5	2574.1	2285.7	2158.1	2049.3	1969.0	1952.4
37.5°	6280.4	6133.8	5410.5	3807.9	2798.6	2314.1	2113.2	1976.1	1843.7	1737.3	1725.5
40°	6791.0	6623.1	5313.6	3384.8	2434.6	2146.3	1969.0	1810.6	1657.0	1538.8	1522.2
42.5°	7519.0	7173.9	5105.6	2907.4	2160.4	2013.9	1831.9	1631.0	1475.0	1392.2	1380.4
45°	8445.6	7788.4	4793.6	2458.3	1957.2	1883.9	1687.7	1477.3	1394.6	1335.5	1323.7
47.5°	9580.1	8504.6	4434.3	2108.4	1798.8	1765.7	1541.1	1425.3	1352.0	1302.4	1290.6
50°	10936.9	9417.0	4138.9	1834.2	1657.0	1628.6	1493.9	1394.6	1335.5	1295.3	1285.9
52.5°	12485.1	10431.1	3994.7	1638.1	1534.1	1505.7	1477.3	1387.5	1337.9	1307.1	1295.3
55°	14092.5	11499.5	3859.9	1486.8	1430.0	1446.6	1479.7	1411.1	1373.3	1333.1	1321.3
57.5°	15645.4	12501.7	3529.0	1368.6	1354.4	1418.2	1491.5	1434.8	1389.9	1349.7	1335.5
60°	16716.2	13050.1	2968.8	1274.0	1297.7	1382.8	1460.8	1399.3	1342.6	1326.0	1319.0
62.5°	17004.6	12983.9	2304.6	1177.1	1229.1	1304.8	1380.4	1340.2	1281.1	1307.1	1309.5
65°	16330.9	12274.8	1730.2	1082.6	1139.3	1203.1	1297.7	1281.1	1259.9	1330.8	1333.1
67.5°	14423.4	10532.7	1319.0	999.9	1047.1	1125.1	1271.7	1340.2	1345.0	1434.8	1425.3
70°	10913.3	7868.8	1032.9	921.8	976.2	1125.1	1354.4	1385.1	1328.4	1411.1	1392.2
72.5°	7545.0	5193.1	879.3	853.3	888.8	1073.1	1352.0	1352.0	1290.6	1290.6	1255.1
75°	4687.2	3053.9	765.8	765.8	765.8	938.4	1314.2	1245.7	1136.9	1087.3	1058.9
77.5°	2314.1	1484.4	642.9	666.6	640.6	784.8	1073.1	1018.8	952.6	900.6	881.7
80°	988.0	742.2	520.0	546.0	515.3	590.9	850.9	839.1	775.3	706.8	685.5
82.5°	453.8	382.9	416.0	427.8	375.8	444.4	621.7	621.7	586.2	491.7	456.2
85°	193.8	203.3	288.4	288.4	236.4	250.6	333.3	316.7	283.6	231.6	212.7
87.5°	66.2	99.3	146.6	127.6	49.6	21.3	11.8	4.7	0.0	0.0	0.0
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)