

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: P635794

Luminaire Tested: GWS-SA3E-740-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-740-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18334.8 lumens
Efficiency: N/A
Efficacy: 115.2 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

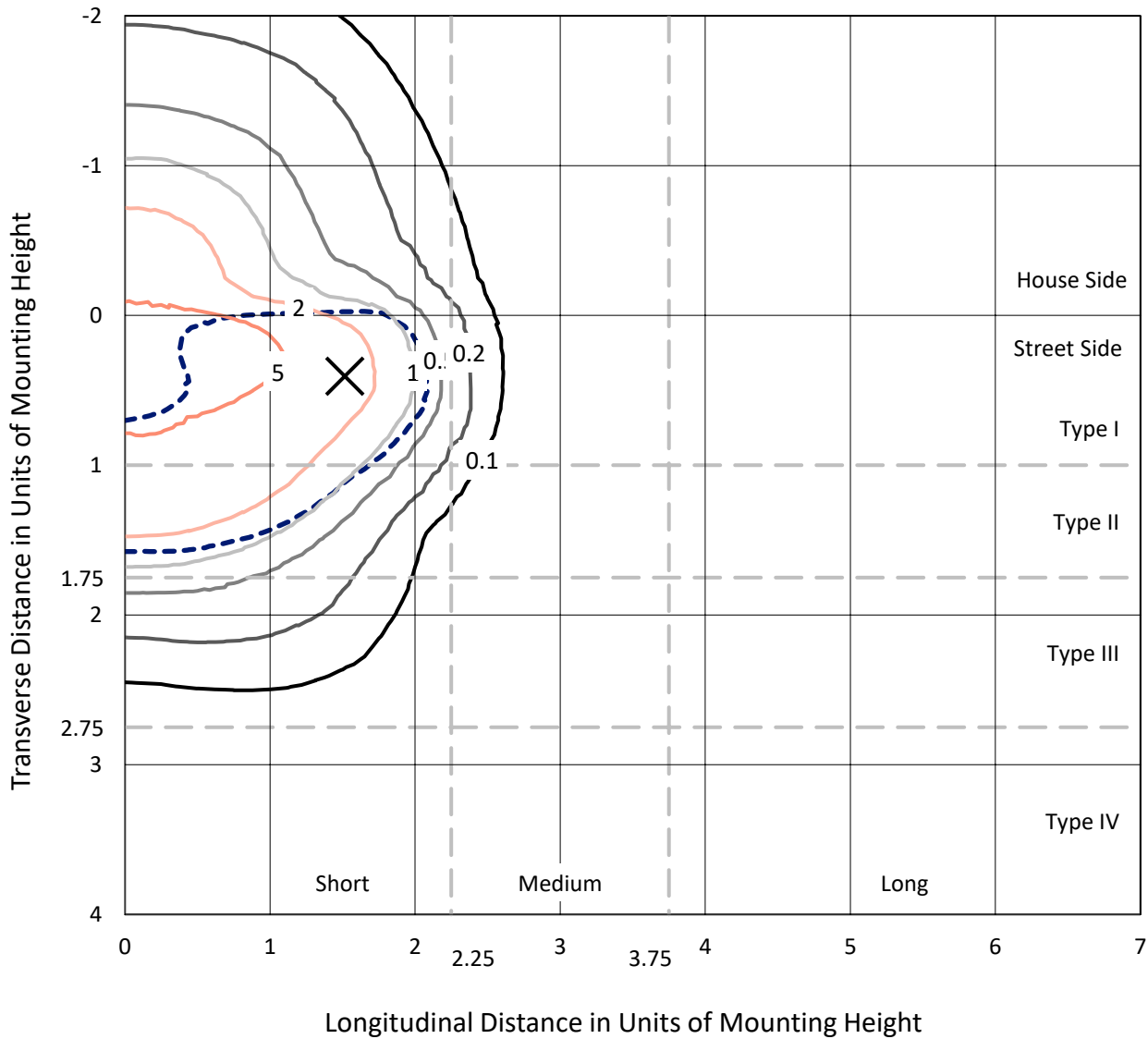
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

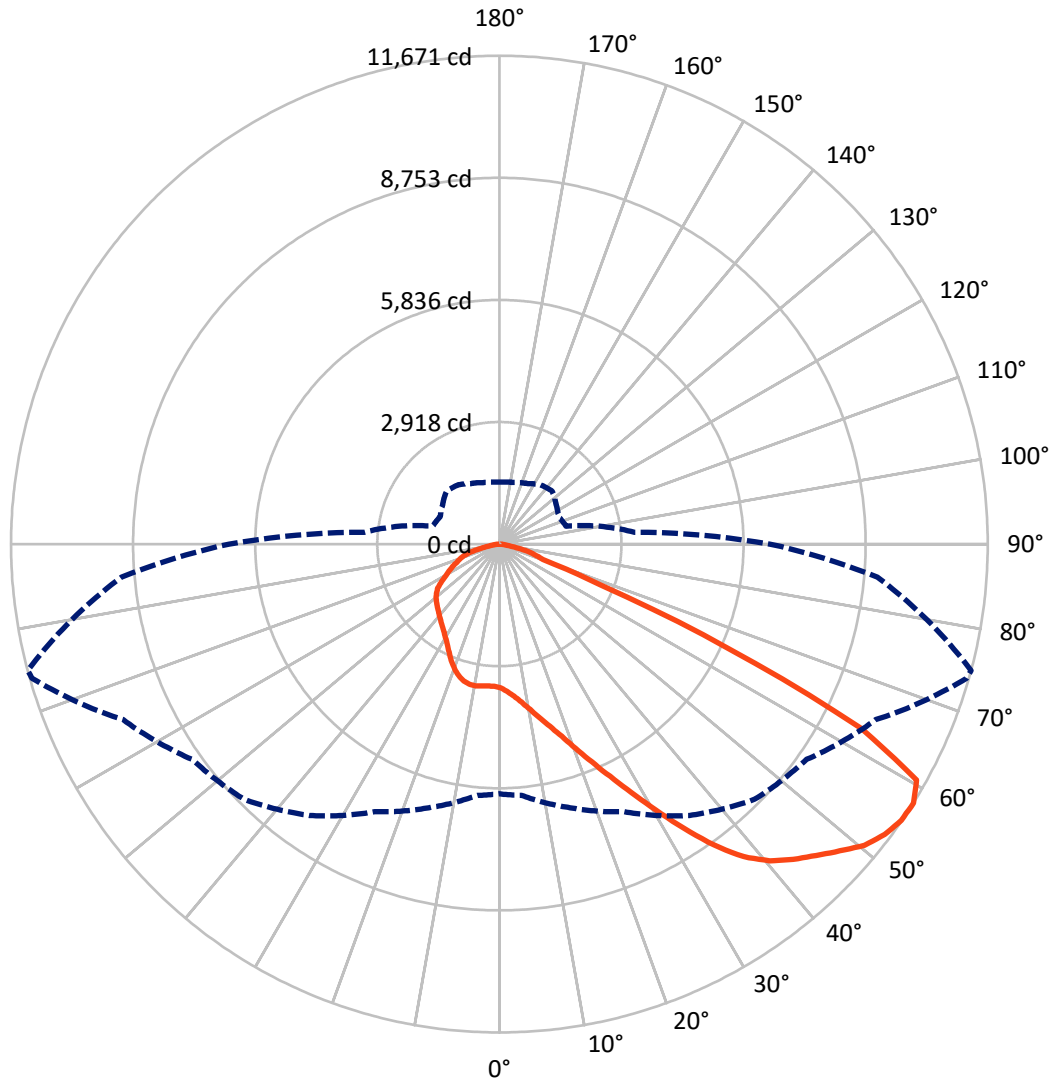
✕ Max cd
 - - - 1/2 Max cd



Based on 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 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4959.9	0.0	4959.9
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	13374.9	0.0	13374.9
	% Fixture	72.9	0.0	72.9
Total	Lumens	18334.8	0.0	18334.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.6	1.9
10°-20°	1094.0	6.0
20°-30°	1940.1	10.6
30°-40°	2970.0	16.2
40°-50°	4135.5	22.6
50°-60°	4738.5	25.8
60°-70°	2434.7	13.3
70°-80°	613.0	3.3
80°-90°	65.5	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°	18334.8	100.0
0°-180°	18334.8	100.0

Coefficient of Utilization



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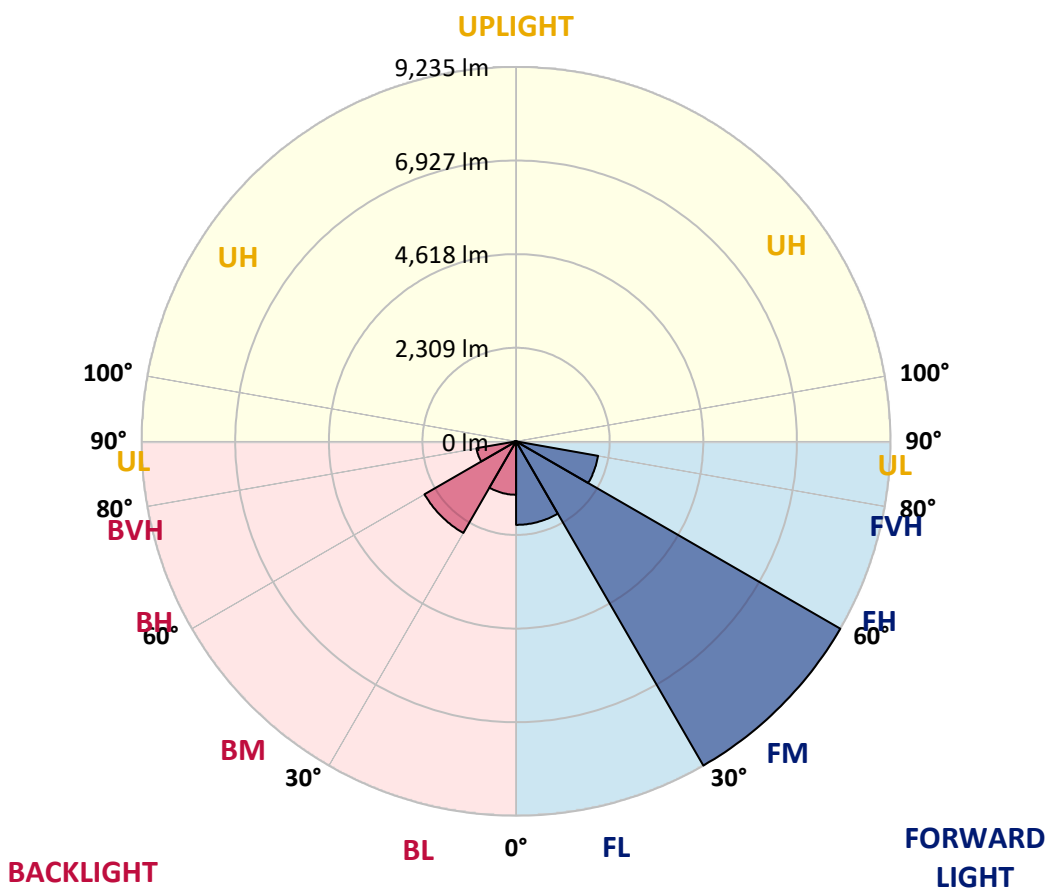
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2060.0	11.2			
FM (30°-60°)	9235.4	50.4			
FH (60°-80°)	2055.1	11.2			G2/5000
FVH (80°-90°)	24.3	0.1			G1/100
BL (0°-30°)	1317.7	7.2	B3/2500		
BM (30°-60°)	2608.5	14.2	B3/5000		
BH (60°-80°)	992.5	5.4	B2/1000		G2/1000
BVH (80°-90°)	41.3	0.2			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°	55°	65°	74°	75°	85°
0°	3433.7	3433.7	3433.7	3433.7	3433.7	3433.7	3433.7	3433.7	3433.7	3433.7	3433.7
2.5°	3689.1	3698.5	3689.1	3704.8	3673.3	3659.1	3624.4	3572.4	3531.4	3525.1	3479.4
5°	3976.0	3996.5	3983.9	3977.6	3935.0	3903.5	3851.4	3747.4	3662.3	3649.7	3559.8
7.5°	4160.4	4174.6	4174.6	4179.4	4163.6	4127.3	4072.2	3949.2	3829.4	3810.5	3674.9
10°	4221.9	4233.0	4253.5	4292.9	4324.4	4335.4	4299.2	4180.9	4034.3	4015.4	3826.2
12.5°	4236.1	4248.7	4280.3	4352.8	4439.5	4518.3	4524.6	4437.9	4274.0	4253.5	4001.2
15°	4262.9	4275.5	4318.1	4408.0	4535.7	4687.0	4780.0	4720.1	4538.8	4516.7	4199.9
17.5°	4259.8	4274.0	4337.0	4456.8	4628.7	4847.8	5027.5	5052.8	4865.2	4827.3	4425.3
20°	4251.9	4264.5	4332.3	4478.9	4691.7	4992.8	5317.6	5448.5	5246.7	5212.0	4688.6
22.5°	4314.9	4329.1	4381.2	4502.6	4724.8	5104.8	5585.6	5900.9	5699.1	5650.3	4991.3
25°	4456.8	4477.3	4508.9	4592.4	4784.7	5204.1	5859.9	6413.3	6206.8	6148.4	5320.8
27.5°	4676.0	4701.2	4745.3	4784.7	4918.8	5330.2	6132.7	6987.2	6780.6	6719.1	5669.2
30°	4944.0	4977.1	5033.8	5060.6	5152.1	5516.3	6429.1	7578.3	7458.5	7373.4	6061.7
32.5°	5314.5	5360.2	5413.8	5421.7	5476.8	5798.5	6722.3	8164.8	8163.2	8103.3	6507.9
35°	5796.9	5845.7	5856.8	5867.8	5894.6	6186.3	7077.0	8699.3	8905.8	8836.4	6993.5
37.5°	6323.4	6394.4	6411.7	6362.8	6400.7	6652.9	7475.9	9128.1	9552.2	9478.1	7463.3
40°	6886.3	6914.6	6961.9	6884.7	6932.0	7187.4	7866.9	9402.4	10034.6	9955.7	7833.7
42.5°	7289.8	7341.9	7412.8	7384.4	7411.2	7644.6	8141.2	9534.8	10378.3	10299.4	8100.2
45°	7728.1	7743.9	7789.6	7783.3	7799.1	8016.6	8338.2	9593.1	10685.7	10614.7	8327.2
47.5°	8109.6	8133.3	8163.2	8128.6	8093.9	8235.8	8499.0	9643.6	11040.4	10955.3	8565.3
50°	8477.0	8497.5	8533.7	8432.8	8303.5	8339.8	8577.9	9713.0	11373.0	11313.1	8752.9
52.5°	8544.8	8566.8	8737.1	8757.6	8592.1	8464.4	8716.6	9865.9	11568.5	11530.7	8820.6
55°	7691.9	7731.3	8070.2	8459.6	8867.9	8827.0	8938.9	9946.3	11645.8	11655.2	8942.0
57.5°	5970.3	6027.0	6522.1	7056.5	7915.7	8626.7	8967.3	9925.8	11619.0	11671.0	9066.6
60°	3916.1	3949.2	4535.7	5134.7	6025.5	7009.2	8026.1	9556.9	11380.9	11455.0	9035.1
62.5°	2364.8	2402.6	2874.0	3328.0	3853.0	4510.4	5443.7	7680.8	9539.5	9705.1	7236.2
65°	1650.6	1701.1	2114.1	2487.8	2669.1	2533.5	2757.3	4289.7	5943.5	6012.9	4422.1
67.5°	1196.6	1231.3	1570.2	2014.8	2215.0	1789.4	1363.7	1899.7	2588.7	2613.9	1824.0
70°	783.5	822.9	1130.4	1534.0	1808.3	1450.4	1020.0	1027.9	1089.4	1102.0	1059.4
72.5°	430.4	454.0	698.4	1018.4	1068.9	867.1	796.1	854.5	897.0	897.0	908.1
75°	222.3	242.8	285.4	335.8	405.2	474.5	573.9	660.6	706.3	709.4	704.7
77.5°	113.5	121.4	152.9	165.5	181.3	211.3	274.3	351.6	392.6	408.3	405.2
80°	53.6	56.8	64.6	75.7	93.0	118.2	148.2	176.6	201.8	204.9	222.3
82.5°	28.4	31.5	34.7	41.0	50.4	63.1	86.7	104.1	119.8	123.0	137.2
85°	11.0	12.6	14.2	15.8	22.1	26.8	36.3	48.9	59.9	59.9	70.9
87.5°	0.0	0.0	0.0	0.0	1.6	3.2	6.3	7.9	11.0	11.0	18.9
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°	3433.7	3433.7	3433.7	3433.7	3433.7	3433.7	3433.7	3433.7	3433.7	3433.7	3433.7
2.5°	3468.4	3422.6	3402.1	3369.0	3342.2	3312.3	3288.6	3271.3	3260.3	3253.9	3247.6
5°	3525.1	3455.7	3400.6	3334.3	3288.6	3244.5	3208.2	3183.0	3170.4	3160.9	3154.6
7.5°	3613.4	3520.4	3416.3	3313.9	3233.4	3162.5	3116.8	3090.0	3072.6	3066.3	3061.6
10°	3734.8	3605.5	3433.7	3271.3	3151.5	3074.2	3042.7	3030.1	3031.7	3028.5	3026.9
12.5°	3871.9	3695.4	3428.9	3195.6	3063.2	3017.5	3019.0	3039.5	3063.2	3069.5	3071.1
15°	4020.1	3783.7	3383.2	3097.9	2993.8	2998.5	3039.5	3088.4	3132.6	3149.9	3153.0
17.5°	4180.9	3857.8	3299.7	2990.7	2937.1	2987.5	3063.2	3143.6	3208.2	3236.6	3244.5
20°	4360.7	3920.8	3181.4	2885.0	2883.5	2967.0	3077.4	3183.0	3265.0	3302.8	3309.1
22.5°	4551.4	3960.2	3036.4	2787.3	2828.3	2940.2	3066.3	3176.7	3263.4	3301.2	3309.1
25°	4743.8	3972.8	2877.2	2697.4	2771.5	2897.6	3012.7	3101.0	3183.0	3216.1	3222.4
27.5°	4923.5	3936.6	2725.8	2620.2	2719.5	2834.6	2911.8	2959.1	3015.9	3041.1	3045.8
30°	5106.4	3864.1	2598.1	2558.7	2661.2	2747.9	2782.6	2785.7	2807.8	2807.8	2810.9
32.5°	5290.8	3756.9	2486.2	2498.8	2588.7	2645.4	2650.1	2613.9	2587.1	2542.9	2541.4
35°	5503.6	3648.1	2394.7	2431.0	2503.5	2538.2	2524.0	2454.6	2390.0	2317.5	2314.3
37.5°	5700.7	3536.1	2317.5	2361.6	2407.4	2432.6	2399.5	2315.9	2262.3	2188.2	2177.2
40°	5863.1	3435.2	2243.4	2289.1	2311.2	2333.3	2279.7	2211.9	2219.7	2178.8	2177.2
42.5°	5957.7	3337.5	2174.0	2208.7	2222.9	2238.7	2191.4	2140.9	2183.5	2152.0	2153.5
45°	6027.0	3252.4	2111.0	2123.6	2158.3	2181.9	2137.8	2081.0	2090.5	1969.1	1940.7
47.5°	6105.9	3205.1	2051.1	2038.4	2099.9	2140.9	2073.1	1991.1	1934.4	1814.6	1803.5
50°	6189.4	3187.7	1988.0	1953.3	2027.4	2066.8	1988.0	1885.5	1811.4	1746.8	1740.5
52.5°	6217.8	3186.2	1909.2	1850.8	1924.9	1980.1	1913.9	1809.8	1721.6	1658.5	1655.3
55°	6329.7	3231.9	1808.3	1710.5	1779.9	1893.4	1844.5	1694.8	1623.8	1595.4	1592.3
57.5°	6460.6	3239.8	1649.0	1557.6	1653.8	1787.8	1726.3	1597.0	1519.8	1485.1	1481.9
60°	6407.0	3045.8	1478.8	1440.9	1546.6	1688.5	1631.7	1519.8	1429.9	1396.8	1393.6
62.5°	4882.5	2150.4	1354.2	1340.0	1431.5	1545.0	1534.0	1417.3	1332.2	1308.5	1305.4
65°	2937.1	1510.3	1234.4	1232.8	1297.5	1406.3	1420.4	1325.9	1236.0	1202.9	1202.9
67.5°	1452.0	1155.6	1098.8	1091.0	1131.9	1209.2	1269.1	1191.9	1116.2	1084.6	1079.9
70°	1026.3	1018.4	999.5	977.4	985.3	1016.9	1042.1	977.4	897.0	865.5	859.2
72.5°	887.6	889.2	876.5	859.2	852.9	830.8	808.8	761.5	712.6	679.5	682.6
75°	688.9	692.1	700.0	693.7	676.3	652.7	629.0	569.1	529.7	498.2	491.9
77.5°	402.0	417.8	443.0	436.7	439.9	406.7	397.3	339.0	302.7	280.6	275.9
80°	227.0	236.5	247.5	255.4	245.9	231.7	211.3	179.7	168.7	152.9	149.8
82.5°	137.2	146.6	151.3	157.7	154.5	135.6	119.8	99.3	89.9	82.0	80.4
85°	69.4	75.7	80.4	83.6	74.1	61.5	55.2	44.1	37.8	33.1	33.1
87.5°	17.3	18.9	22.1	18.9	17.3	7.9	6.3	1.6	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)