

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: P635912

Luminaire Tested: GWS-SA3E-760-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635912
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-760-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18936.9 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

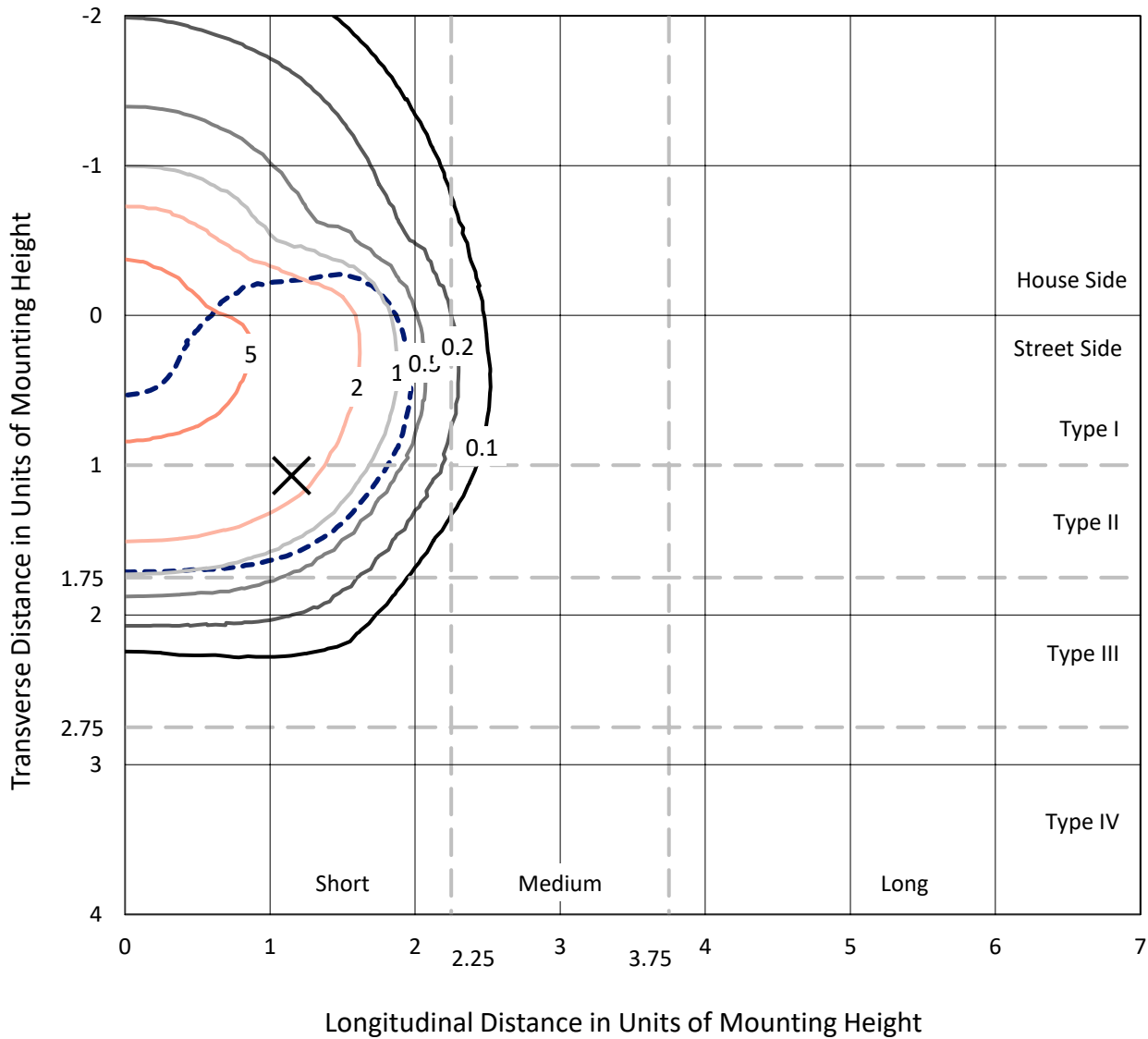
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

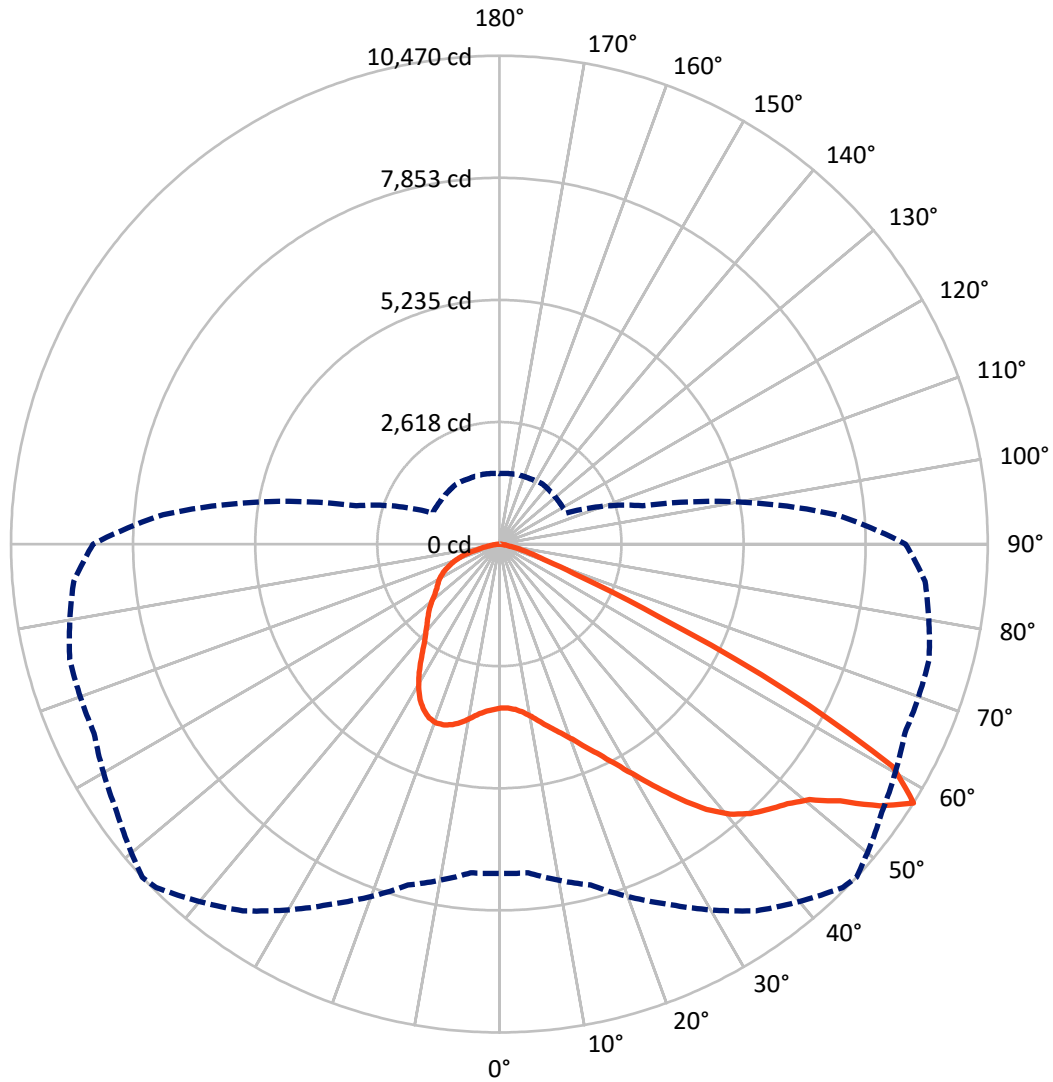
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5993.5	0.0	5993.5
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	12943.4	0.0	12943.4
	% Fixture	68.4	0.0	68.4
Total	Lumens	18936.9	0.0	18936.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.4	1.8
10°-20°	1139.3	6.0
20°-30°	2051.4	10.8
30°-40°	3098.4	16.4
40°-50°	4172.3	22.0
50°-60°	5013.6	26.5
60°-70°	2441.7	12.9
70°-80°	601.5	3.2
80°-90°	72.3	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°	18936.9	100.0
0°-180°	18936.9	100.0

Coefficient of Utilization



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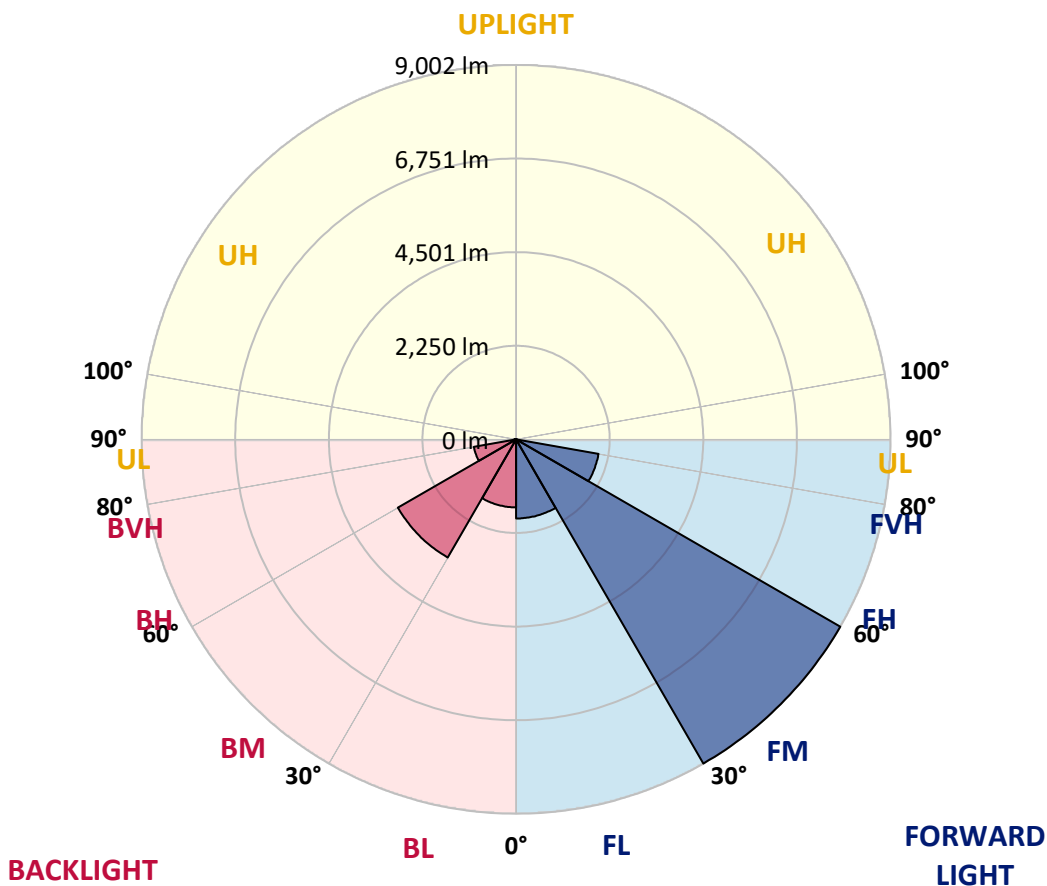
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1902.1	10.0			
FM (30°-60°)	9001.7	47.5			
FH (60°-80°)	2012.4	10.6			G2/5000
FVH (80°-90°)	27.2	0.1			G1/100
BL (0°-30°)	1634.9	8.6	B3/2500		
BM (30°-60°)	3282.6	17.3	B3/5000		
BH (60°-80°)	1030.8	5.4	B3/2500		G3/2500
BVH (80°-90°)	45.1	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3511.9	3511.9	3511.9	3511.9	3511.9	3511.9	3511.9	3511.9	3511.9	3511.9	3511.9
2.5°	3505.5	3503.9	3503.9	3513.5	3513.5	3516.6	3521.4	3526.2	3527.8	3519.8	3502.3
5°	3543.7	3543.7	3543.7	3551.6	3551.6	3554.8	3561.2	3562.8	3561.2	3548.5	3531.0
7.5°	3604.1	3604.1	3605.7	3615.3	3623.2	3628.0	3639.1	3637.5	3632.8	3612.1	3589.8
10°	3702.7	3707.5	3712.3	3723.4	3739.3	3750.5	3758.4	3758.4	3752.0	3720.2	3691.6
12.5°	3842.7	3849.1	3853.8	3863.4	3876.1	3895.2	3912.7	3912.7	3904.7	3865.0	3822.0
15°	4006.5	4012.9	4011.3	4014.5	4038.3	4065.4	4079.7	4089.2	4092.4	4036.7	3969.9
17.5°	4194.2	4200.6	4194.2	4184.7	4187.8	4230.8	4256.2	4291.2	4311.9	4237.2	4130.6
20°	4364.4	4358.0	4358.0	4364.4	4373.9	4426.4	4464.6	4521.9	4547.3	4456.6	4291.2
22.5°	4544.1	4558.4	4552.1	4552.1	4590.3	4677.7	4723.9	4798.6	4825.6	4707.9	4485.3
25°	4776.3	4789.1	4785.9	4789.1	4833.6	4957.7	5003.8	5142.2	5169.2	5000.6	4700.0
27.5°	5030.8	5051.5	5061.0	5057.9	5129.4	5291.7	5348.9	5541.4	5590.7	5328.3	4929.0
30°	5361.7	5383.9	5391.9	5388.7	5473.0	5694.1	5759.3	5978.8	6048.8	5716.3	5220.1
32.5°	5745.0	5767.2	5791.1	5800.6	5908.8	6134.6	6228.5	6455.9	6556.1	6164.9	5571.6
35°	6125.1	6144.2	6190.3	6265.1	6413.0	6643.6	6726.3	6950.6	7047.6	6630.9	5996.3
37.5°	6545.0	6557.7	6597.5	6700.9	6914.0	7133.5	7216.2	7430.9	7442.1	7081.0	6476.6
40°	7004.7	7004.7	6996.7	7098.5	7321.2	7542.3	7613.8	7737.9	7672.7	7427.7	6944.2
42.5°	7394.3	7388.0	7394.3	7489.8	7655.2	7834.9	7896.9	7873.1	7790.4	7693.4	7367.3
45°	7745.8	7750.6	7807.9	7881.0	7966.9	8073.5	8110.1	7974.9	7900.1	7906.5	7706.1
47.5°	7984.4	7989.2	8122.8	8245.3	8297.8	8331.2	8315.3	8127.6	8089.4	8161.0	7966.9
50°	8016.2	8041.7	8272.3	8523.6	8654.0	8658.8	8614.3	8385.2	8374.1	8455.2	8106.9
52.5°	8022.6	8048.0	8335.9	8789.2	9128.0	9199.6	9148.7	8910.1	8794.0	8712.9	8278.7
55°	7998.7	8027.4	8345.5	8967.4	9616.3	9902.6	9907.4	9570.2	9199.6	9145.5	8768.6
57.5°	7061.9	7073.1	7566.1	8514.1	9597.2	10408.4	10470.4	10012.3	9589.3	9538.4	9161.4
60°	4919.5	4964.0	5500.0	6751.8	8062.4	9492.2	9692.6	9559.0	9275.9	8905.3	7860.4
62.5°	2463.7	2501.9	3039.5	4222.8	5560.5	6689.7	6904.5	7046.0	7112.8	6715.2	5352.1
65°	1060.9	1089.5	1423.5	2206.1	3147.6	3693.2	3767.9	3938.1	4354.9	3885.6	2883.6
67.5°	709.4	728.5	898.6	1345.6	1854.6	1889.5	1878.4	1915.0	2005.6	1655.7	1302.6
70°	544.0	559.9	674.4	986.1	1332.9	1140.4	1080.0	979.8	1064.1	1084.7	1056.1
72.5°	394.4	407.2	493.1	672.8	835.0	728.5	718.9	769.8	884.3	916.1	898.6
75°	254.5	260.8	313.3	369.0	431.0	467.6	486.7	579.0	695.1	718.9	698.2
77.5°	170.2	175.0	205.2	237.0	244.9	246.5	252.9	294.2	373.8	418.3	413.5
80°	89.1	89.1	100.2	100.2	114.5	136.8	143.1	170.2	206.8	229.0	230.6
82.5°	35.0	36.6	42.9	47.7	57.3	70.0	74.8	89.1	108.2	124.1	138.4
85°	14.3	15.9	17.5	20.7	25.4	31.8	33.4	38.2	50.9	63.6	71.6
87.5°	0.0	0.0	1.6	1.6	3.2	4.8	4.8	6.4	8.0	14.3	19.1
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°	3511.9	3511.9	3511.9	3511.9	3511.9	3511.9	3511.9	3511.9	3511.9	3511.9	3511.9
2.5°	3523.0	3502.3	3523.0	3529.4	3546.9	3553.2	3542.1	3540.5	3540.5	3524.6	3519.8
5°	3546.9	3527.8	3548.5	3558.0	3583.4	3599.4	3602.5	3615.3	3623.2	3616.8	3615.3
7.5°	3605.7	3581.9	3604.1	3618.4	3651.8	3677.3	3688.4	3717.1	3737.7	3734.5	3733.0
10°	3709.1	3677.3	3702.7	3726.6	3763.2	3793.4	3795.0	3810.9	3831.6	3825.2	3822.0
12.5°	3828.4	3798.2	3826.8	3850.7	3893.6	3906.3	3885.6	3879.3	3882.5	3874.5	3868.2
15°	3974.7	3931.8	3957.2	3984.3	4008.1	3993.8	3949.3	3931.8	3930.2	3919.0	3912.7
17.5°	4121.0	4067.0	4086.1	4100.4	4089.2	4044.7	3989.0	3958.8	3944.5	3922.2	3915.9
20°	4265.8	4197.4	4194.2	4183.1	4132.2	4051.1	3976.3	3915.9	3879.3	3849.1	3837.9
22.5°	4431.2	4335.8	4288.1	4237.2	4125.8	3993.8	3880.9	3795.0	3736.1	3698.0	3685.2
25°	4609.3	4474.1	4375.5	4273.7	4062.2	3871.3	3713.9	3596.2	3526.2	3484.8	3470.5
27.5°	4785.9	4599.8	4451.9	4278.5	3935.0	3694.8	3483.2	3324.2	3254.2	3220.8	3209.7
30°	5024.5	4766.8	4542.5	4216.5	3767.9	3449.8	3185.8	3025.2	2979.1	2955.2	2945.6
32.5°	5299.6	4978.3	4663.4	4086.1	3554.8	3163.6	2885.2	2773.9	2742.1	2695.9	2694.3
35°	5662.3	5280.5	4777.9	3893.6	3286.0	2856.6	2654.6	2575.1	2517.8	2444.6	2438.3
37.5°	6085.3	5657.5	4840.0	3648.7	2972.7	2603.7	2482.8	2393.7	2301.5	2204.5	2191.7
40°	6522.7	6098.1	4844.7	3359.2	2665.7	2436.7	2334.9	2218.8	2104.3	1996.1	1981.8
42.5°	6982.4	6508.4	4760.4	3025.2	2414.4	2291.9	2188.6	2042.2	1913.4	1840.2	1832.3
45°	7392.8	6839.3	4569.6	2673.7	2228.3	2171.1	2039.1	1881.6	1813.2	1760.7	1749.6
47.5°	7715.6	7058.7	4311.9	2358.7	2077.2	2047.0	1875.2	1794.1	1741.6	1693.9	1682.8
50°	7874.7	7108.0	3976.3	2102.7	1937.3	1900.7	1783.0	1720.9	1686.0	1647.8	1638.2
52.5°	8071.9	7163.7	3686.8	1888.0	1800.5	1751.2	1706.6	1657.3	1631.9	1608.0	1600.1
55°	8525.2	7373.7	3534.1	1716.2	1670.0	1647.8	1641.4	1600.1	1592.1	1576.2	1561.9
57.5°	8709.7	7238.5	3173.1	1576.2	1566.7	1569.8	1585.8	1547.6	1539.6	1520.5	1511.0
60°	7004.7	5471.4	2148.8	1455.3	1480.8	1501.5	1517.4	1479.2	1468.1	1464.9	1452.1
62.5°	4488.5	3365.5	1499.9	1342.4	1380.6	1406.0	1415.6	1379.0	1371.0	1396.5	1398.1
65°	2336.5	1833.9	1216.8	1221.5	1253.3	1291.5	1310.6	1297.9	1294.7	1321.7	1323.3
67.5°	1192.9	1121.3	1060.9	1078.4	1103.8	1153.1	1197.7	1253.3	1272.4	1275.6	1277.2
70°	1016.3	984.5	954.3	965.4	992.5	1019.5	1062.5	1089.5	1057.7	1049.7	1046.6
72.5°	865.2	841.4	827.1	839.8	854.1	849.3	836.6	849.3	854.1	855.7	857.3
75°	672.8	655.3	644.2	645.8	645.8	628.3	604.4	590.1	574.2	561.5	561.5
77.5°	411.9	415.1	426.3	424.7	423.1	416.7	392.9	380.1	342.0	330.8	330.8
80°	235.4	240.2	251.3	254.5	254.5	246.5	222.7	208.4	190.9	182.9	181.3
82.5°	143.1	149.5	155.9	159.1	160.6	151.1	130.4	119.3	109.7	101.8	101.8
85°	74.8	77.9	84.3	85.9	81.1	71.6	60.4	55.7	46.1	44.5	44.5
87.5°	20.7	22.3	25.4	20.7	19.1	14.3	8.0	6.4	3.2	1.6	1.6
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)