

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: P634840

Luminaire Tested: GWS-SA3C-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634840
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-SA3C-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12153.3 lumens
Efficiency: N/A
Efficacy: 130.7 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

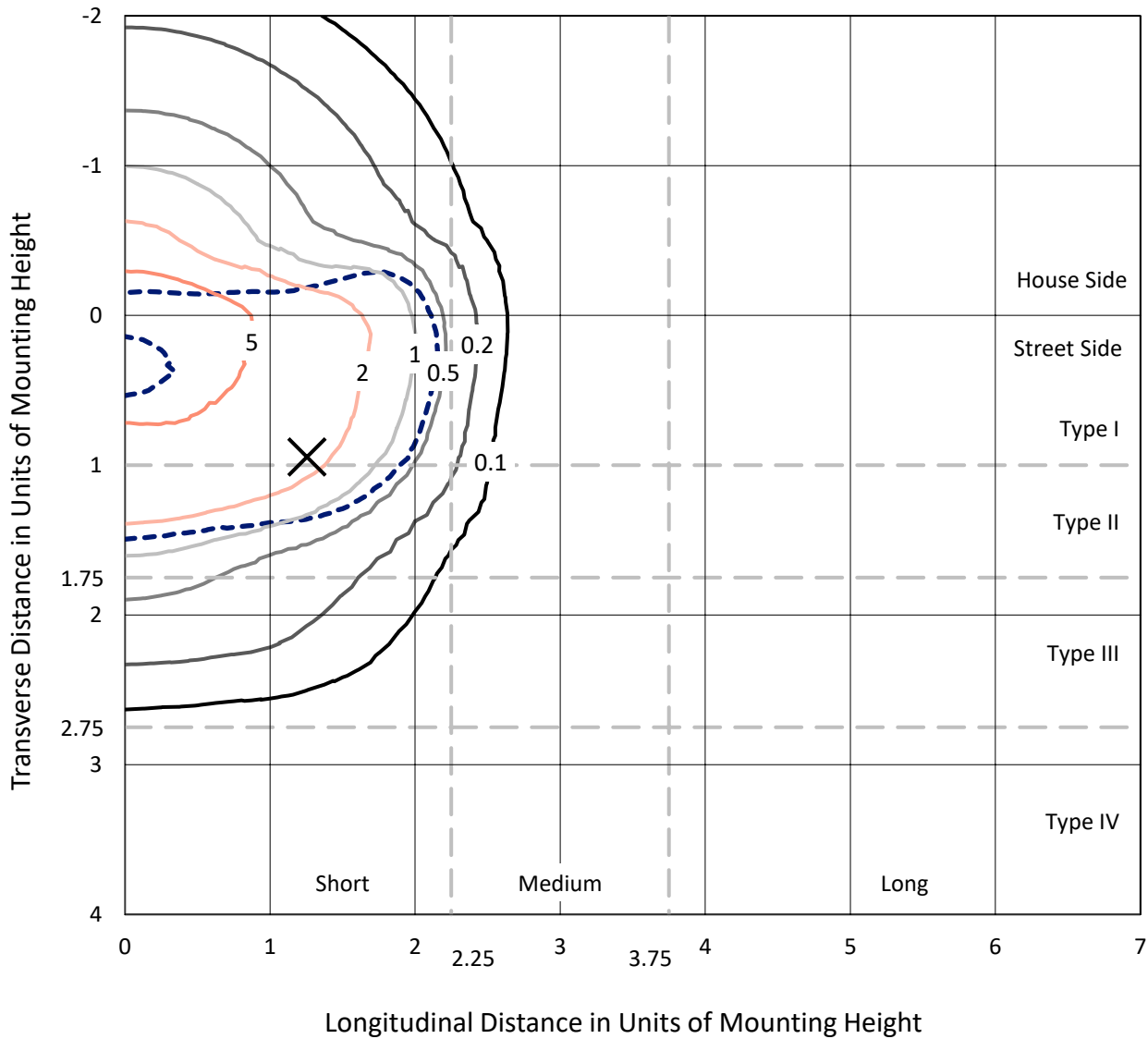
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634840
 CATALOG NUMBER: GWS-SA3C-750-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

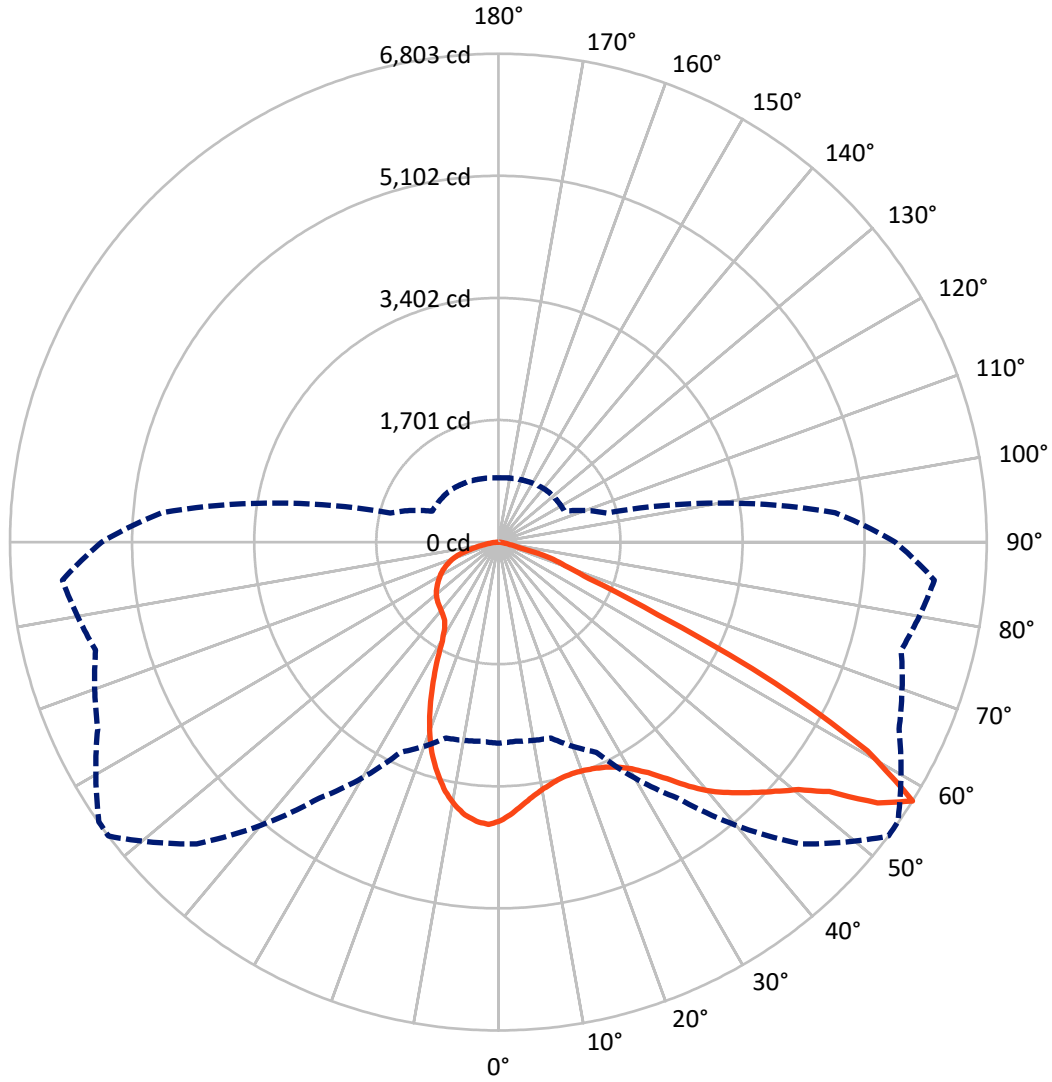
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.7 fc
 Type II - Short - N/A

REPORT NUMBER: P634840
CATALOG NUMBER: GWS-SA3C-750-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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CATALOG NUMBER: GWS-SA3C-750-U-SL2-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3799.9	0.0	3799.9
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	8353.4	0.0	8353.4
	% Fixture	68.7	0.0	68.7
Total	Lumens	12153.3	0.0	12153.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.9	2.9
10°-20°	920.7	7.6
20°-30°	1356.6	11.2
30°-40°	1898.8	15.6
40°-50°	2496.1	20.5
50°-60°	2926.7	24.1
60°-70°	1724.2	14.2
70°-80°	428.9	3.5
80°-90°	50.3	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°	12153.3	100.0
0°-180°	12153.3	100.0

Coefficient of Utilization



REPORT NUMBER: P634840

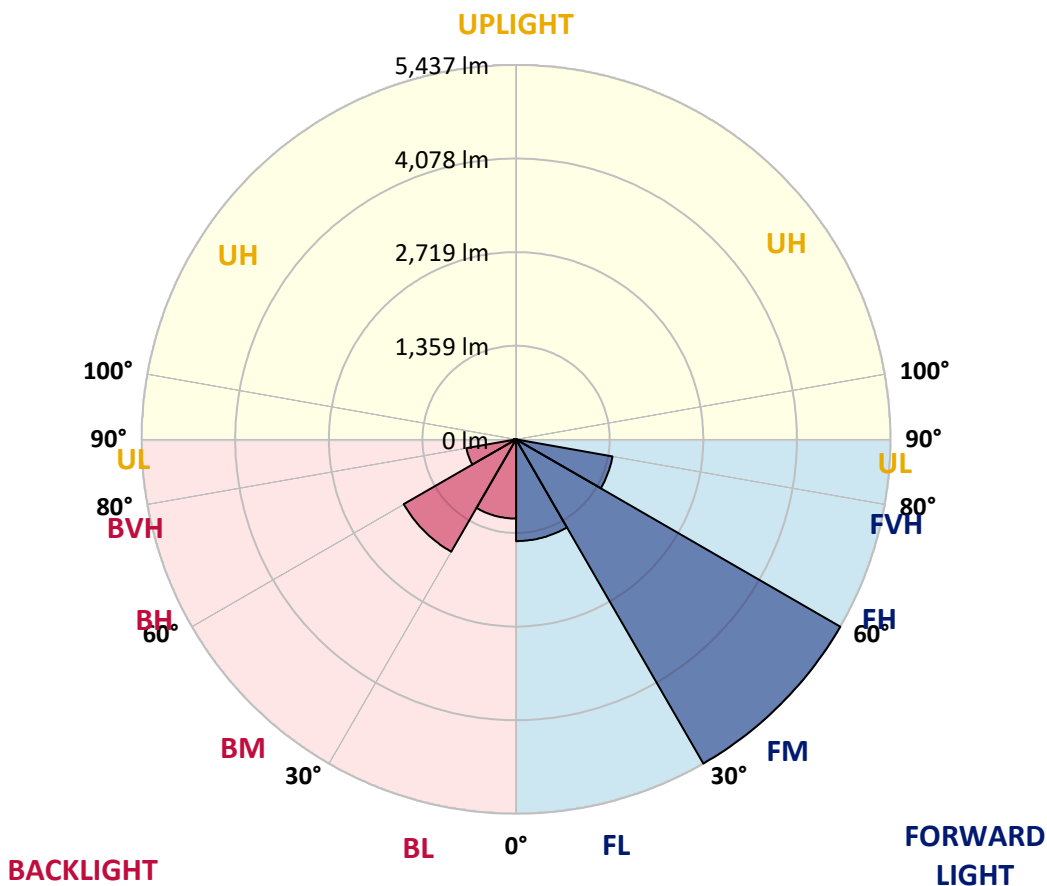
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1477.6	12.2			
FM (30°-60°)	5437.5	44.7			
FH (60°-80°)	1421.5	11.7			G1/1800
FVH (80°-90°)	16.8	0.1			G1/100
BL (0°-30°)	1150.6	9.5	B3/2500		
BM (30°-60°)	1884.2	15.5	B2/2500		
BH (60°-80°)	731.6	6.0	B2/1000		G2/1000
BVH (80°-90°)	33.5	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-SA3C-750-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	3880.9	3880.9	3880.9	3880.9	3880.9	3880.9	3880.9	3880.9	3880.9	3880.9	3880.9
2.5°	3657.9	3668.1	3670.2	3701.9	3703.9	3749.9	3780.6	3774.5	3806.2	3845.1	3875.8
5°	3483.0	3484.0	3494.2	3532.1	3552.5	3612.9	3664.0	3664.0	3725.4	3805.2	3873.7
7.5°	3338.7	3337.7	3346.9	3388.9	3422.6	3495.2	3564.8	3573.0	3658.9	3775.5	3887.0
10°	3204.7	3211.9	3222.1	3273.3	3316.2	3406.3	3489.1	3502.4	3610.8	3755.1	3905.4
12.5°	3118.8	3119.8	3135.2	3192.5	3247.7	3343.9	3430.8	3447.2	3572.0	3735.6	3918.7
15°	3063.6	3064.6	3081.0	3144.4	3208.8	3306.0	3395.0	3413.4	3549.5	3732.6	3944.3
17.5°	3039.0	3038.0	3053.4	3116.8	3187.4	3288.6	3383.7	3406.3	3559.7	3756.1	3989.3
20°	3039.0	3040.1	3048.2	3105.5	3177.1	3284.5	3395.0	3422.6	3599.6	3809.3	4058.9
22.5°	3082.0	3086.1	3090.2	3129.0	3185.3	3290.7	3424.7	3461.5	3685.5	3898.3	4149.9
25°	3165.9	3166.9	3171.0	3202.7	3228.3	3308.1	3473.8	3529.0	3819.5	4028.2	4264.5
27.5°	3278.4	3292.7	3296.8	3317.3	3317.3	3351.0	3550.5	3630.3	4000.6	4215.4	4410.7
30°	3435.9	3441.0	3448.2	3470.7	3446.1	3431.8	3663.0	3765.3	4210.3	4441.4	4586.7
32.5°	3574.0	3585.3	3624.1	3661.0	3617.0	3572.0	3828.7	3949.4	4411.8	4676.7	4773.9
35°	3691.6	3719.3	3793.9	3875.8	3845.1	3800.1	4048.6	4174.4	4577.5	4845.5	4939.6
37.5°	3833.8	3855.3	3957.6	4090.6	4118.2	4096.7	4316.6	4406.6	4687.9	4888.4	5029.6
40°	3978.1	4010.8	4142.7	4326.9	4432.2	4447.6	4564.2	4624.5	4725.8	4804.6	5012.2
42.5°	4125.3	4181.6	4362.7	4577.5	4764.7	4799.4	4772.8	4798.4	4713.5	4689.0	4931.4
45°	4305.4	4371.9	4576.4	4850.6	5097.1	5151.3	4977.4	4953.9	4711.5	4645.0	4881.3
47.5°	4518.1	4584.6	4780.0	5099.1	5414.2	5454.1	5187.1	5144.2	4783.1	4712.5	4948.8
50°	4706.4	4752.4	4927.3	5284.3	5709.8	5733.3	5418.3	5366.1	4961.1	4899.7	5159.5
52.5°	4515.1	4510.0	4694.1	5133.9	5863.3	6146.6	5774.3	5724.1	5304.8	5210.6	5485.8
55°	3830.8	3772.4	3937.1	4369.8	5434.7	6513.8	6412.6	6312.3	5763.0	5523.7	5791.7
57.5°	2800.7	2784.3	2824.2	3230.3	4353.5	5945.1	6803.3	6794.1	6158.9	5810.1	6096.5
60°	2190.0	2165.5	2059.1	2070.3	2967.4	4644.0	5904.2	6175.2	6404.4	5981.9	6309.2
62.5°	1944.5	1926.1	1870.9	1718.5	1767.6	3113.7	4327.9	4576.4	5596.3	5283.3	5419.3
65°	1610.0	1604.9	1651.0	1644.8	1481.2	1719.5	2442.7	2693.3	3518.8	3562.8	3518.8
67.5°	1170.2	1161.0	1277.6	1507.8	1425.9	1298.1	1361.5	1448.4	1804.4	1620.3	1458.7
70°	761.0	747.7	815.3	1089.4	1276.6	1131.3	981.0	966.6	992.2	616.8	666.9
72.5°	510.4	495.1	494.1	599.4	771.3	762.1	760.0	752.9	672.0	486.9	540.1
75°	284.4	272.1	269.0	258.8	276.2	281.3	299.7	309.9	335.5	369.3	409.2
77.5°	48.1	47.1	59.3	75.7	104.3	134.0	165.7	174.9	215.8	255.7	281.3
80°	26.6	27.6	35.8	44.0	58.3	79.8	102.3	108.4	133.0	154.5	174.9
82.5°	14.3	14.3	18.4	23.5	31.7	41.9	55.2	60.4	76.7	90.0	104.3
85°	5.1	5.1	7.2	9.2	13.3	17.4	21.5	24.5	33.8	46.0	52.2
87.5°	0.0	0.0	0.0	0.0	1.0	2.0	4.1	4.1	5.1	9.2	13.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P634840

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3880.9	3880.9	3880.9	3880.9	3880.9	3880.9	3880.9	3880.9	3880.9	3880.9	3880.9
2.5°	3901.3	3873.7	3911.6	3929.0	3935.1	3939.2	3912.6	3894.2	3888.0	3868.6	3857.4
5°	3915.7	3897.2	3933.0	3933.0	3907.5	3880.9	3826.7	3788.8	3762.2	3730.5	3725.4
7.5°	3940.2	3926.9	3946.3	3906.4	3842.0	3770.4	3676.3	3602.6	3543.3	3504.5	3505.5
10°	3972.9	3956.6	3941.2	3852.2	3734.6	3602.6	3458.4	3351.0	3252.8	3207.8	3183.3
12.5°	3994.4	3970.9	3906.4	3759.2	3586.3	3409.3	3205.8	3046.2	2904.0	2839.6	2834.5
15°	4021.0	3978.1	3849.2	3638.5	3398.1	3156.7	2894.8	2672.8	2480.5	2380.3	2375.2
17.5°	4055.8	3985.2	3780.6	3500.4	3199.6	2843.7	2514.3	2235.0	2030.5	1952.7	1966.0
20°	4104.9	3993.4	3702.9	3346.9	2953.1	2487.7	2077.5	1820.8	1742.0	1736.9	1726.7
22.5°	4160.1	3998.5	3617.0	3175.1	2654.4	2108.2	1716.4	1607.0	1606.0	1631.5	1637.7
25°	4222.5	4002.6	3519.8	2974.6	2331.2	1729.7	1518.0	1485.2	1510.8	1558.9	1565.0
27.5°	4302.3	4010.8	3402.2	2754.7	1987.5	1494.5	1408.5	1400.3	1431.0	1476.0	1474.0
30°	4419.9	4040.4	3277.4	2502.0	1634.6	1383.0	1342.0	1343.1	1355.3	1376.8	1379.9
32.5°	4539.6	4086.5	3155.6	2217.6	1432.1	1319.5	1301.1	1299.1	1299.1	1308.3	1310.3
35°	4653.2	4138.6	3023.7	1921.0	1333.9	1282.7	1270.4	1264.3	1261.2	1259.2	1256.1
37.5°	4716.6	4164.2	2894.8	1628.5	1281.7	1258.2	1245.9	1237.7	1226.5	1218.3	1216.2
40°	4689.0	4134.6	2745.5	1409.6	1250.0	1234.6	1220.3	1209.1	1193.7	1186.6	1182.5
42.5°	4596.9	4042.5	2582.8	1306.2	1224.4	1209.1	1191.7	1173.3	1163.0	1156.9	1155.9
45°	4499.7	3931.0	2386.4	1245.9	1199.9	1181.4	1161.0	1140.5	1129.3	1126.2	1125.2
47.5°	4496.7	3875.8	2177.8	1197.8	1170.2	1151.8	1126.2	1105.8	1093.5	1089.4	1085.3
50°	4631.7	3932.0	1942.5	1155.9	1139.5	1120.1	1091.4	1068.9	1053.6	1048.5	1047.4
52.5°	4912.0	4143.8	1731.8	1113.9	1098.6	1076.1	1052.6	1030.1	1011.6	1002.4	1001.4
55°	5214.7	4412.8	1600.8	1071.0	1050.5	1031.1	1009.6	985.1	964.6	950.3	948.2
57.5°	5527.7	4706.4	1560.9	1016.8	1001.4	988.1	962.5	936.0	912.4	899.1	896.1
60°	5785.5	4959.0	1635.6	959.5	951.3	933.9	910.4	884.8	868.4	858.2	856.2
62.5°	4843.4	4037.4	1320.6	897.1	897.1	878.7	852.1	833.7	822.4	815.3	813.2
65°	3073.8	2500.0	901.2	834.7	833.7	809.1	786.6	774.3	769.2	758.0	755.9
67.5°	1339.0	1142.6	770.2	771.3	767.2	740.6	718.1	708.9	698.6	686.4	685.3
70°	694.5	707.8	689.4	700.7	693.5	661.8	640.3	626.0	604.5	592.3	593.3
72.5°	560.5	574.9	595.3	612.7	597.4	571.8	538.0	520.7	493.0	479.7	480.8
75°	427.6	442.9	462.4	480.8	468.5	436.8	415.3	397.9	366.2	350.9	353.9
77.5°	294.6	302.8	326.3	325.3	321.2	312.0	280.3	259.8	227.1	208.7	210.7
80°	183.1	188.2	199.5	204.6	202.5	190.3	164.7	149.3	129.9	118.7	119.7
82.5°	110.5	113.5	123.8	124.8	123.8	114.6	95.1	83.9	71.6	65.5	65.5
85°	56.3	58.3	64.4	64.4	58.3	49.1	44.0	38.9	31.7	28.6	28.6
87.5°	15.3	15.3	19.4	16.4	13.3	12.3	6.1	5.1	2.0	1.0	1.0
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)