

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: P642294

Luminaire Tested: GWS-SA6C-750-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642294
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-SA6C-750-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29065.2 lumens
Efficiency: N/A
Efficacy: 153.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

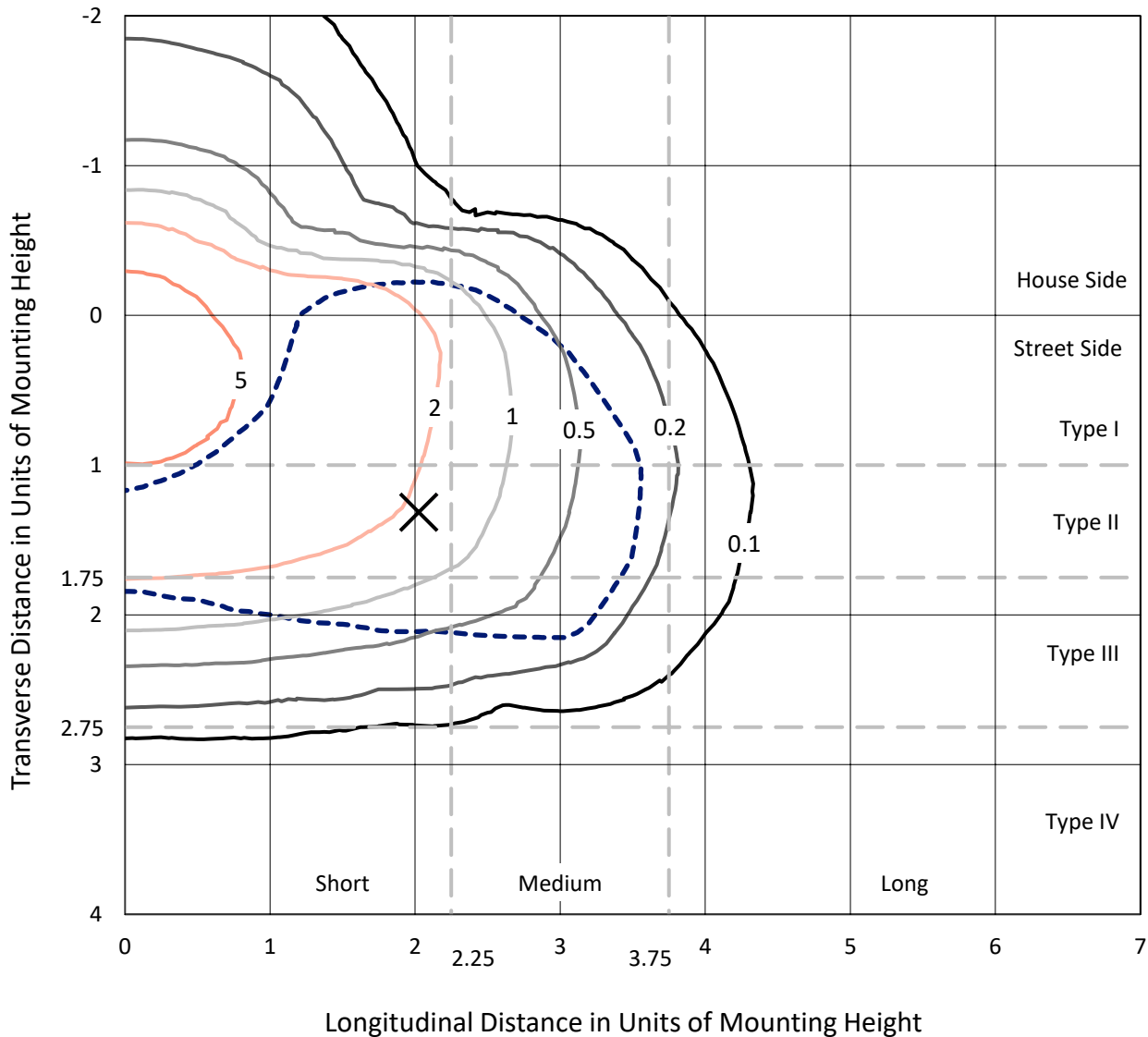
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

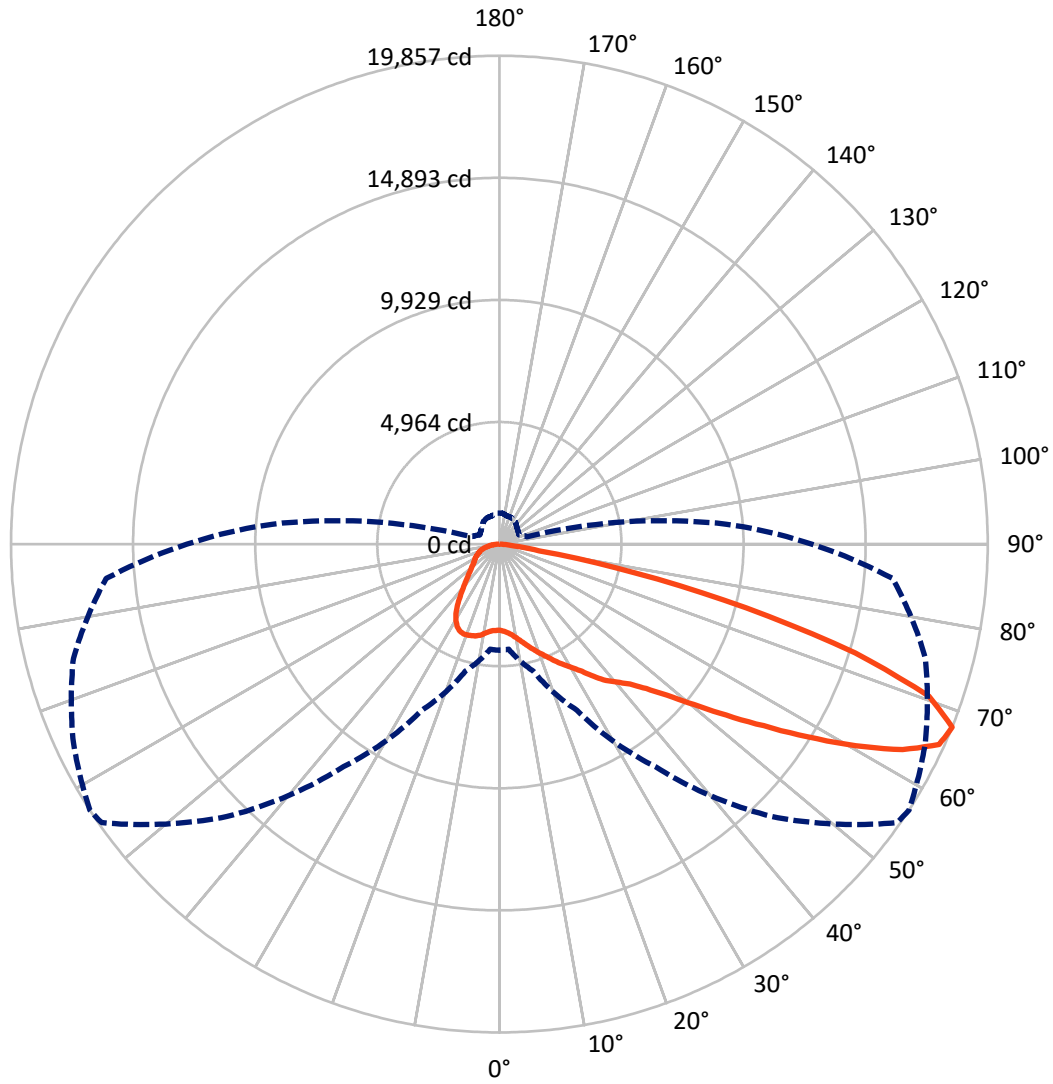
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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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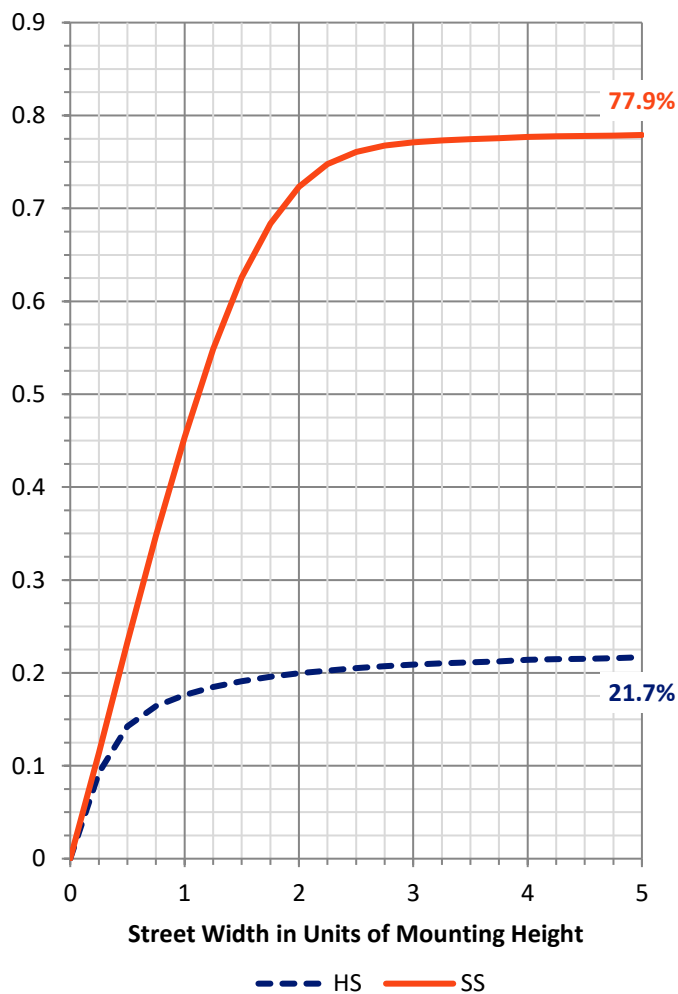
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6390.3	0.0	6390.3
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	22674.9	0.0	22674.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	29065.2	0.0	29065.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.3	1.2
10°-20°	1149.9	4.0
20°-30°	2050.0	7.1
30°-40°	2980.4	10.3
40°-50°	4313.7	14.8
50°-60°	6750.8	23.2
60°-70°	7875.3	27.1
70°-80°	3287.5	11.3
80°-90°	310.2	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°	29065.2	100.0
0°-180°	29065.2	100.0

Coefficient of Utilization



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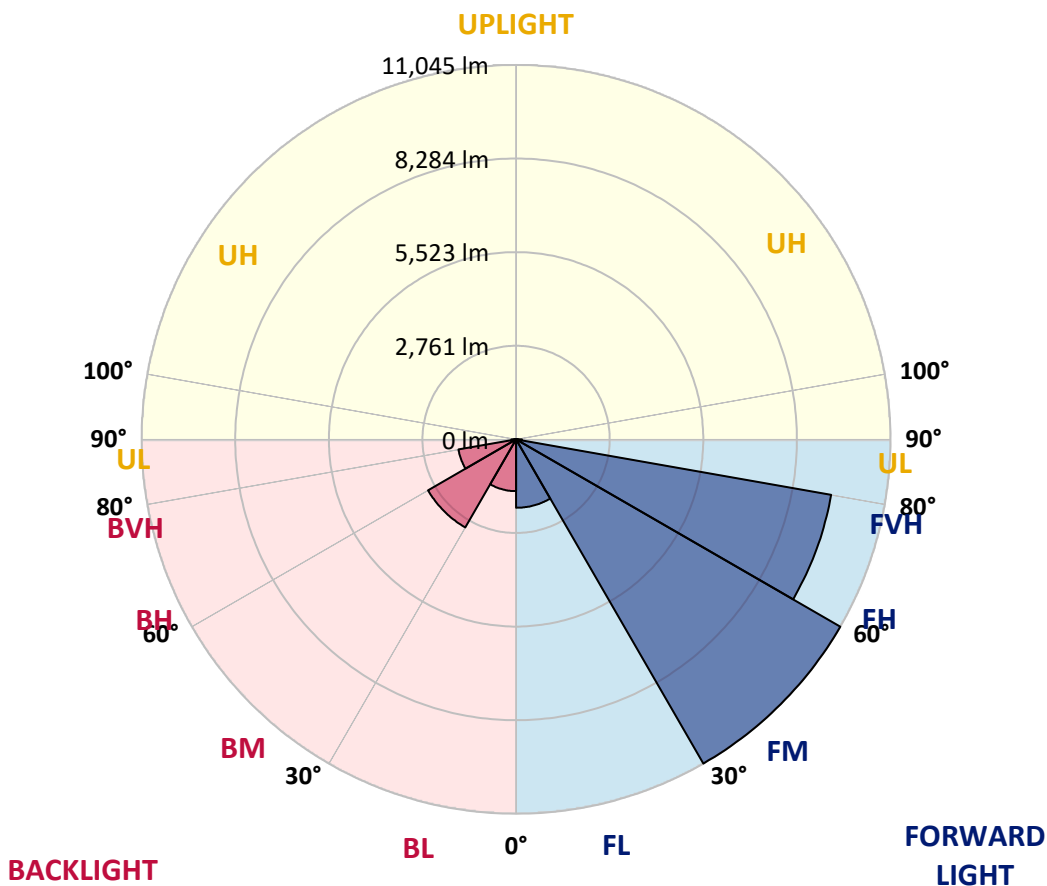
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2018.9	6.9			
FM (30°-60°)	11045.2	38.0			
FH (60°-80°)	9438.0	32.5			G4/12000
FVH (80°-90°)	172.8	0.6			G2/225
BL (0°-30°)	1528.4	5.3	B3/2500		
BM (30°-60°)	2999.8	10.3	B3/5000		
BH (60°-80°)	1724.8	5.9	B3/2500		G3/2500
BVH (80°-90°)	137.4	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°	3502.2	3502.2	3502.2	3502.2	3502.2	3502.2	3502.2	3502.2	3502.2	3502.2	3502.2
2.5°	3552.1	3548.0	3545.9	3558.4	3554.2	3552.1	3552.1	3550.0	3545.9	3529.2	3506.3
5°	3650.0	3641.7	3633.3	3643.7	3635.4	3627.1	3625.0	3620.8	3606.3	3581.3	3545.9
7.5°	3752.0	3743.7	3745.8	3752.0	3745.8	3741.6	3735.4	3731.2	3708.3	3668.7	3620.8
10°	3895.7	3895.7	3899.8	3906.1	3908.2	3901.9	3889.4	3883.2	3856.1	3806.2	3739.5
12.5°	4103.9	4099.7	4099.7	4095.6	4101.8	4095.6	4083.1	4072.7	4039.4	3974.8	3879.0
15°	4378.7	4362.1	4347.5	4320.4	4312.1	4289.2	4293.4	4287.1	4255.9	4168.4	4047.7
17.5°	4672.3	4670.2	4647.3	4593.2	4539.1	4501.6	4509.9	4507.8	4491.2	4372.5	4218.4
20°	4930.5	4940.9	4920.1	4878.5	4805.6	4734.8	4730.6	4741.0	4720.2	4601.5	4387.1
22.5°	5219.9	5211.6	5190.8	5136.6	5082.5	5007.5	4982.6	4974.2	4965.9	4830.6	4559.9
25°	5494.8	5519.8	5492.7	5442.7	5359.4	5278.2	5257.4	5265.7	5242.8	5063.8	4745.2
27.5°	5842.5	5852.9	5836.2	5767.5	5696.7	5582.2	5542.7	5542.7	5534.3	5282.4	4890.9
30°	6213.1	6242.3	6213.1	6156.9	6084.0	5919.5	5834.2	5825.8	5800.8	5507.3	5061.7
32.5°	6585.8	6606.6	6585.8	6531.7	6448.4	6304.7	6181.9	6163.1	6129.8	5753.0	5236.6
35°	6916.9	6935.6	6931.4	6943.9	6875.2	6694.1	6619.1	6610.8	6523.3	6073.6	5473.9
37.5°	7279.2	7302.1	7270.8	7295.8	7268.7	7098.0	7075.1	7033.5	6908.5	6375.5	5723.8
40°	7691.4	7712.2	7662.3	7672.7	7641.5	7545.7	7429.1	7372.9	7187.5	6702.4	6117.3
42.5°	8132.8	8180.7	8203.6	8184.9	8112.0	8057.9	7853.8	7783.0	7629.0	7291.7	6764.9
45°	8772.1	8842.8	8876.2	8828.3	8797.0	8720.0	8470.1	8384.8	8303.6	8122.4	7668.5
47.5°	9461.2	9525.8	9632.0	9652.8	9677.8	9619.5	9267.6	9184.3	9198.9	9178.1	8780.4
50°	10010.9	10065.1	10304.5	10560.6	10773.0	10789.6	10339.9	10250.4	10329.5	10396.1	10119.2
52.5°	10410.7	10458.6	10775.1	11303.9	11784.9	12141.0	11655.8	11553.8	11618.3	11768.3	11641.2
55°	10735.5	10802.1	11133.2	11945.2	12917.6	13479.8	13169.5	13040.4	13013.4	13198.7	13271.6
57.5°	10906.2	10927.1	11391.4	12447.0	13748.4	14793.6	14928.9	14783.2	14525.0	14627.0	15006.0
60°	10516.9	10552.3	11187.3	12576.1	14404.2	16097.0	16775.8	16655.0	16105.3	16161.6	16580.1
62.5°	9440.4	9490.4	10254.5	11961.9	14458.4	16967.4	18481.1	18404.0	17667.0	17363.0	17487.9
65°	7572.7	7589.4	8380.6	10441.9	13381.9	17075.6	19670.0	19651.2	18758.0	18045.9	17510.8
67.5°	4318.4	4289.2	5346.9	7447.8	11043.7	15668.1	19747.0	19857.4	19112.0	17933.5	16053.3
70°	1871.8	1876.0	2363.2	3675.0	7148.0	12663.6	18341.6	18531.0	18087.5	16061.6	12771.8
72.5°	866.2	878.7	1089.0	1590.8	3052.4	7855.9	14956.0	15126.7	14745.7	12855.1	9292.6
75°	612.1	622.6	726.7	912.0	1403.4	3060.7	10004.7	10362.8	10548.1	9615.3	6123.6
77.5°	464.3	478.9	530.9	633.0	866.2	1084.8	4786.8	5640.5	6719.1	5982.0	3154.4
80°	295.7	295.7	351.9	422.7	528.9	564.3	1382.5	1638.6	3287.7	2465.3	1238.9
82.5°	199.9	206.1	239.4	268.6	304.0	320.6	593.4	633.0	949.5	839.1	510.1
85°	106.2	110.4	124.9	122.8	145.7	127.0	249.9	247.8	347.7	381.0	193.6
87.5°	0.0	0.0	2.1	2.1	4.2	6.2	27.1	29.1	72.9	116.6	64.5
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°	3502.2	3502.2	3502.2	3502.2	3502.2	3502.2	3502.2	3502.2	3502.2	3502.2	3502.2
2.5°	3518.8	3493.8	3506.3	3502.2	3514.7	3514.7	3491.7	3485.5	3487.6	3462.6	3454.3
5°	3550.0	3520.9	3527.1	3518.8	3531.3	3541.7	3531.3	3531.3	3543.8	3525.1	3514.7
7.5°	3620.8	3587.5	3587.5	3577.1	3591.7	3600.0	3591.7	3604.2	3627.1	3608.3	3597.9
10°	3733.3	3693.7	3695.8	3683.3	3689.6	3685.4	3652.1	3641.7	3647.9	3631.3	3622.9
12.5°	3879.0	3824.9	3824.9	3799.9	3785.3	3741.6	3672.9	3647.9	3652.1	3637.5	3631.3
15°	4018.5	3968.6	3958.1	3908.2	3841.5	3760.3	3697.9	3681.2	3685.4	3670.8	3660.4
17.5°	4183.0	4118.5	4081.0	3989.4	3866.5	3783.2	3720.8	3681.2	3647.9	3614.6	3606.3
20°	4335.0	4253.8	4185.1	4043.5	3893.6	3779.1	3662.5	3564.6	3483.4	3439.7	3429.3
22.5°	4491.2	4387.1	4266.3	4081.0	3891.5	3704.1	3489.7	3341.8	3221.1	3156.5	3169.0
25°	4639.0	4507.8	4343.3	4116.4	3824.9	3537.6	3246.1	3025.3	2887.9	2838.0	2823.4
27.5°	4761.9	4599.4	4414.1	4099.7	3687.5	3298.1	2912.9	2667.2	2534.0	2477.7	2463.2
30°	4899.3	4716.0	4516.2	4022.7	3470.9	2962.9	2536.0	2336.2	2240.4	2186.2	2188.3
32.5°	5057.5	4866.0	4659.8	3874.9	3194.0	2600.6	2225.8	2088.4	2011.3	1957.2	1948.9
35°	5269.9	5080.4	4755.6	3652.1	2842.1	2267.4	2013.4	1901.0	1805.2	1734.4	1719.8
37.5°	5532.2	5403.2	4766.0	3354.3	2465.3	2038.4	1861.4	1740.7	1624.1	1530.4	1520.0
40°	5982.0	5834.2	4680.6	2981.6	2144.6	1890.6	1734.4	1594.9	1459.6	1355.5	1340.9
42.5°	6623.3	6319.3	4497.4	2561.0	1903.1	1774.0	1613.7	1436.7	1299.3	1226.4	1216.0
45°	7439.5	6860.6	4222.6	2165.4	1724.0	1659.5	1486.6	1301.3	1228.5	1176.4	1166.0
47.5°	8438.9	7491.5	3906.1	1857.3	1584.5	1555.4	1357.6	1255.5	1191.0	1147.3	1136.8
50°	9634.1	8295.2	3645.8	1615.7	1459.6	1434.6	1315.9	1228.5	1176.4	1141.0	1132.7
52.5°	10997.9	9188.5	3518.8	1442.9	1351.3	1326.3	1301.3	1222.2	1178.5	1151.4	1141.0
55°	12413.7	10129.6	3400.1	1309.7	1259.7	1274.3	1303.4	1243.0	1209.7	1174.3	1163.9
57.5°	13781.7	11012.4	3108.6	1205.6	1193.1	1249.3	1313.8	1263.9	1224.3	1188.9	1176.4
60°	14724.9	11495.5	2615.2	1122.3	1143.1	1218.1	1286.8	1232.6	1182.7	1168.1	1161.8
62.5°	14978.9	11437.2	2030.1	1036.9	1082.7	1149.3	1216.0	1180.6	1128.5	1151.4	1153.5
65°	14385.5	10812.6	1524.1	953.6	1003.6	1059.8	1143.1	1128.5	1109.8	1172.2	1174.3
67.5°	12705.2	9278.0	1161.8	880.7	922.4	991.1	1120.2	1180.6	1184.7	1263.9	1255.5
70°	9613.2	6931.4	909.9	812.0	859.9	991.1	1193.1	1220.1	1170.2	1243.0	1226.4
72.5°	6646.2	4574.5	774.6	751.7	782.9	945.3	1191.0	1191.0	1136.8	1136.8	1105.6
75°	4128.9	2690.1	674.6	674.6	674.6	826.6	1157.7	1097.3	1001.5	957.8	932.8
77.5°	2038.4	1307.6	566.3	587.2	564.3	691.3	945.3	897.4	839.1	793.3	776.6
80°	870.3	653.8	458.1	481.0	453.9	520.5	749.6	739.2	682.9	622.6	603.8
82.5°	399.8	337.3	366.5	376.9	331.1	391.4	547.6	547.6	516.4	433.1	401.9
85°	170.7	179.1	254.0	254.0	208.2	220.7	293.6	279.0	249.9	204.0	187.4
87.5°	58.3	87.4	129.1	112.4	43.7	18.7	10.4	4.2	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)