

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: P642239

Luminaire Tested: GWS-SA6C-740-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642239
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-740-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28414 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

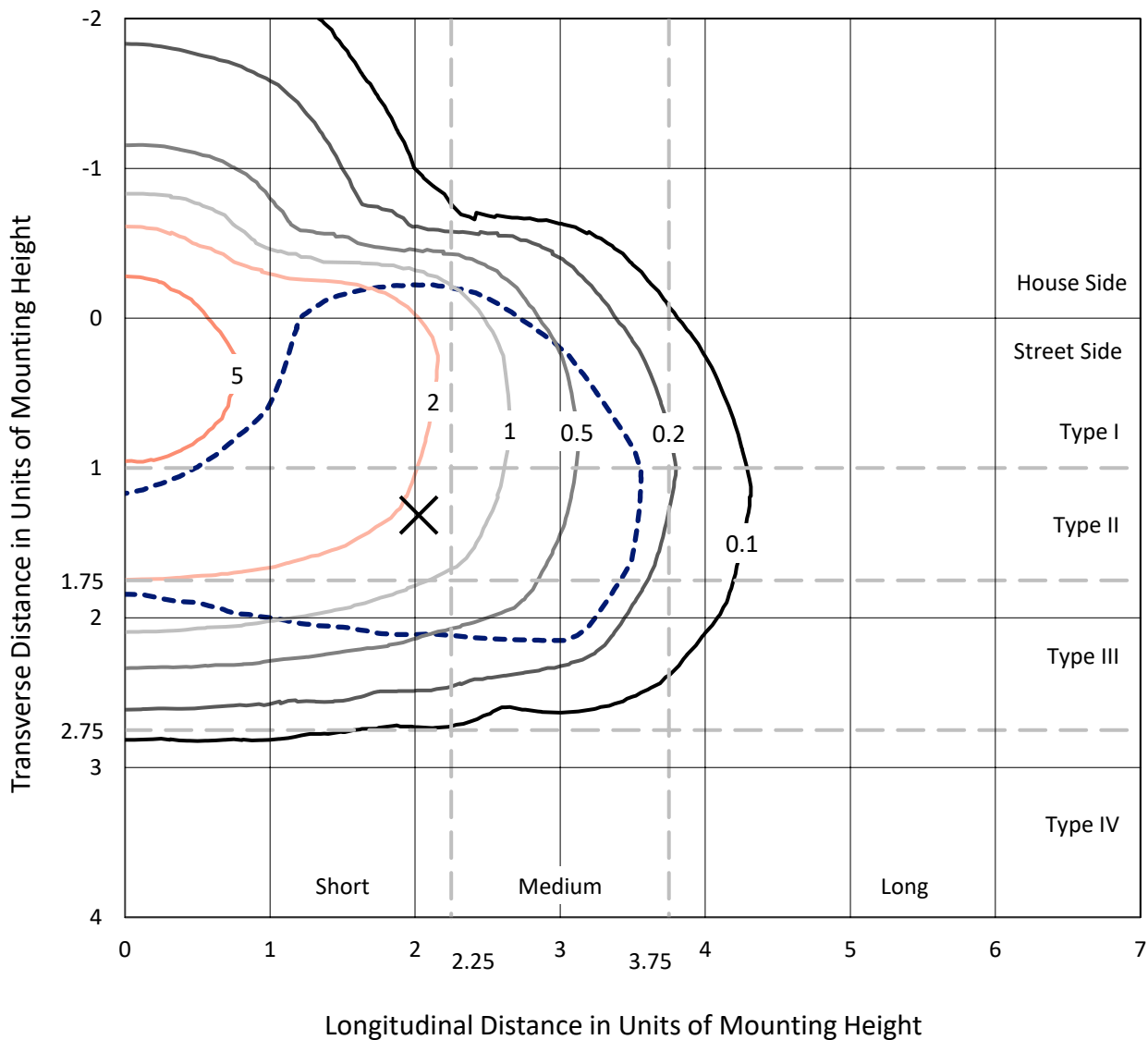
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

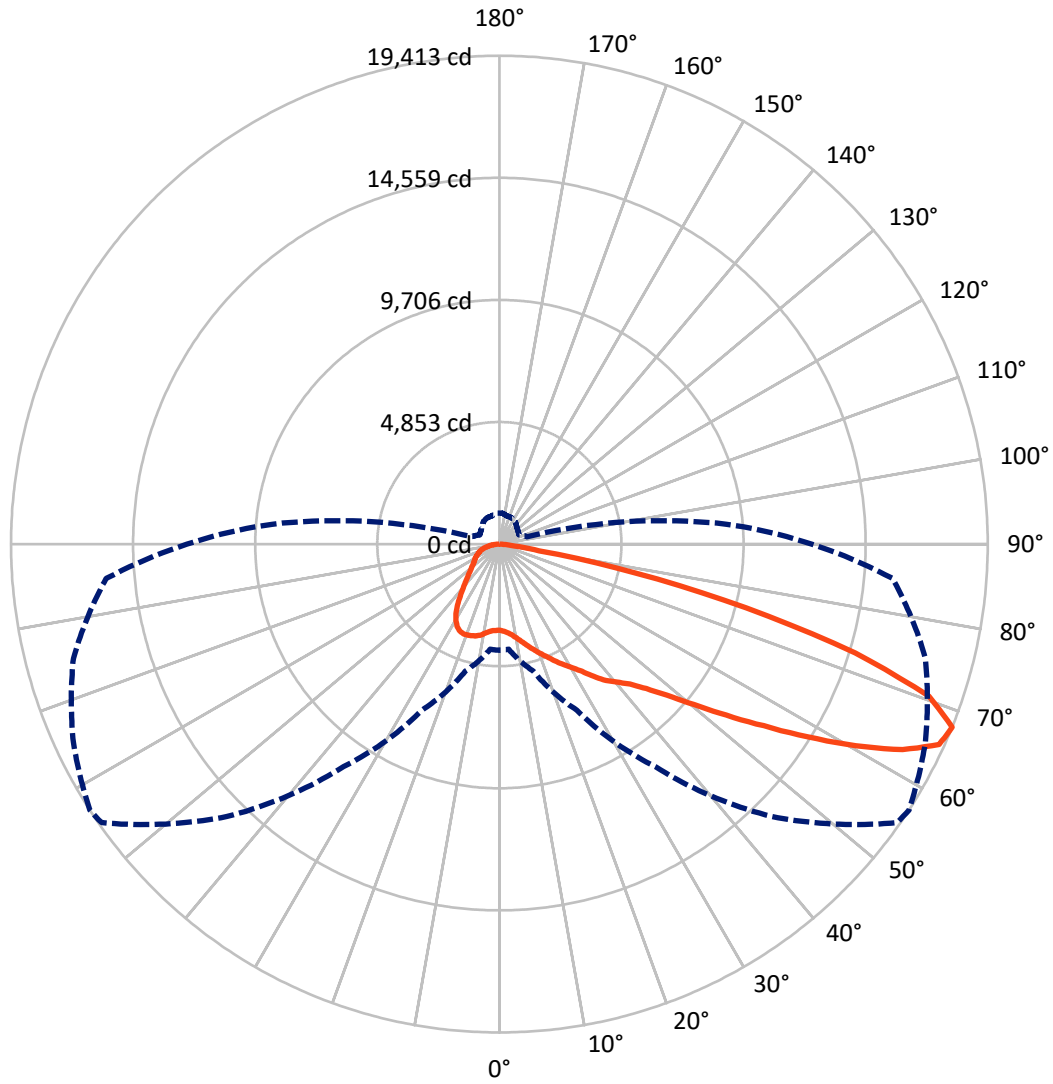
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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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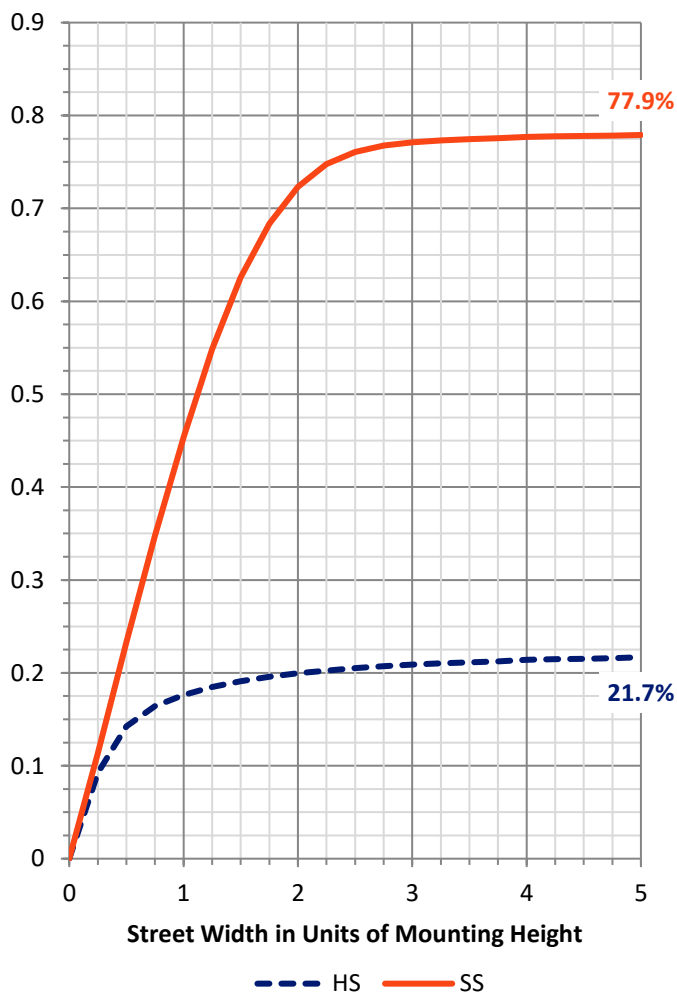
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6247.2	0.0	6247.2
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	22166.8	0.0	22166.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	28414.0	0.0	28414.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.6	1.2
10°-20°	1124.1	4.0
20°-30°	2004.1	7.1
30°-40°	2913.7	10.3
40°-50°	4217.1	14.8
50°-60°	6599.6	23.2
60°-70°	7698.8	27.1
70°-80°	3213.8	11.3
80°-90°	303.3	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°	28414.0	100.0
0°-180°	28414.0	100.0

Coefficient of Utilization



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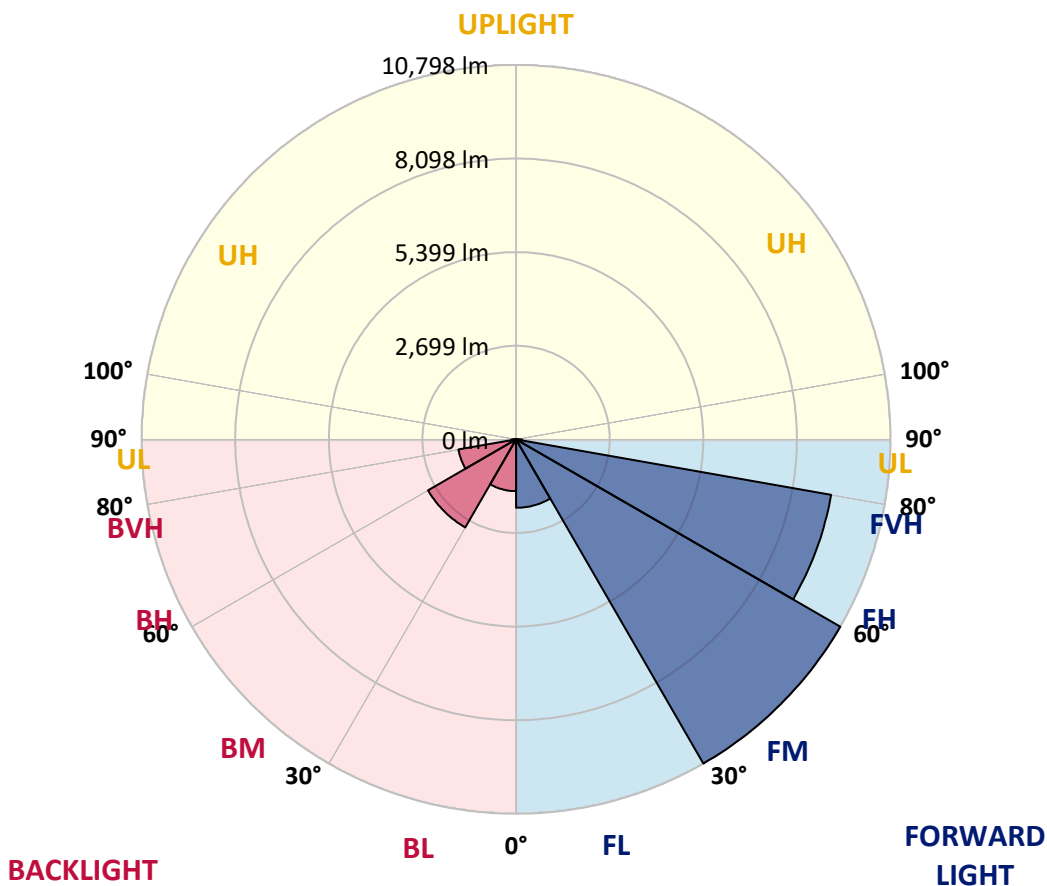
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1973.6	6.9			
FM (30°-60°)	10797.7	38.0			
FH (60°-80°)	9226.5	32.5			G4/12000
FVH (80°-90°)	169.0	0.6			G2/225
BL (0°-30°)	1494.1	5.3	B3/2500		
BM (30°-60°)	2932.6	10.3	B3/5000		
BH (60°-80°)	1686.1	5.9	B3/2500		G3/2500
BVH (80°-90°)	134.3	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°	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7
2.5°	3472.5	3468.5	3466.4	3478.7	3474.6	3472.5	3472.5	3470.5	3466.4	3450.2	3427.8
5°	3568.2	3560.1	3551.9	3562.1	3554.0	3545.8	3543.8	3539.7	3525.5	3501.0	3466.4
7.5°	3668.0	3659.8	3661.8	3668.0	3661.8	3657.8	3651.7	3647.6	3625.2	3586.5	3539.7
10°	3808.4	3808.4	3812.5	3818.6	3820.6	3814.5	3802.3	3796.2	3769.7	3720.9	3655.7
12.5°	4012.0	4007.9	4007.9	4003.8	4009.9	4003.8	3991.6	3981.4	3948.8	3885.7	3792.1
15°	4280.6	4264.4	4250.1	4223.6	4215.5	4193.1	4197.2	4191.1	4160.5	4075.1	3957.0
17.5°	4567.6	4565.6	4543.2	4490.3	4437.4	4400.7	4408.9	4406.8	4390.6	4274.5	4123.9
20°	4820.0	4830.2	4809.9	4769.2	4697.9	4628.7	4624.6	4634.8	4614.5	4498.4	4288.8
22.5°	5103.0	5094.8	5074.5	5021.6	4968.6	4895.4	4870.9	4862.8	4854.6	4722.3	4457.7
25°	5371.7	5396.1	5369.6	5320.8	5239.4	5160.0	5139.6	5147.8	5125.4	4950.3	4638.9
27.5°	5711.6	5721.8	5705.5	5638.3	5569.1	5457.1	5418.5	5418.5	5410.3	5164.0	4781.4
30°	6073.9	6102.4	6073.9	6018.9	5947.7	5786.9	5703.4	5695.3	5670.9	5383.9	4948.3
32.5°	6438.3	6458.6	6438.3	6385.3	6303.9	6163.5	6043.4	6025.0	5992.5	5624.1	5119.3
35°	6761.9	6780.2	6776.1	6788.4	6721.2	6544.1	6470.8	6462.7	6377.2	5937.5	5351.3
37.5°	7116.1	7138.5	7107.9	7132.4	7105.9	6939.0	6916.6	6875.9	6753.8	6232.7	5595.6
40°	7519.1	7539.5	7490.6	7500.8	7470.2	7376.6	7262.6	7207.7	7026.5	6552.2	5980.3
42.5°	7950.6	7997.4	8019.8	8001.5	7930.3	7877.3	7677.9	7608.7	7458.0	7128.3	6613.3
45°	8575.5	8644.7	8677.3	8630.5	8599.9	8524.6	8280.4	8196.9	8117.5	7940.4	7496.7
47.5°	9249.3	9312.4	9416.2	9436.5	9461.0	9404.0	9060.0	8978.5	8992.8	8972.4	8583.7
50°	9786.6	9839.6	10073.6	10324.0	10531.6	10547.9	10108.2	10020.7	10098.1	10163.2	9892.5
52.5°	10177.4	10224.3	10533.7	11050.7	11520.9	11868.9	11394.7	11294.9	11358.0	11504.6	11380.4
55°	10495.0	10560.1	10883.8	11677.6	12628.2	13177.8	12874.5	12748.3	12721.8	12903.0	12974.2
57.5°	10661.9	10682.2	11136.2	12168.2	13440.3	14462.2	14594.5	14452.0	14199.6	14299.3	14669.8
60°	10281.3	10315.9	10936.7	12294.4	14081.5	15736.4	16399.9	16281.9	15744.5	15799.5	16208.6
62.5°	9228.9	9277.8	10024.8	11693.9	14134.4	16587.2	18067.0	17991.7	17271.1	16973.9	17096.1
65°	7403.1	7419.4	8192.8	10208.0	13082.1	16693.1	19229.3	19211.0	18337.7	17641.6	17118.5
67.5°	4221.6	4193.1	5227.1	7280.9	10796.2	15317.1	19304.6	19412.5	18683.8	17531.7	15693.6
70°	1829.9	1834.0	2310.3	3592.6	6987.8	12379.8	17930.6	18115.9	17682.3	15701.8	12485.7
72.5°	846.8	859.0	1064.6	1555.1	2984.0	7679.9	14620.9	14787.8	14415.3	12567.1	9084.4
75°	598.4	608.6	710.4	891.5	1371.9	2992.2	9780.5	10130.6	10311.8	9399.9	5986.4
77.5°	453.9	468.2	519.0	618.8	846.8	1060.5	4679.6	5514.1	6568.5	5848.0	3083.8
80°	289.0	289.0	344.0	413.2	517.0	551.6	1351.6	1601.9	3214.0	2410.0	1211.1
82.5°	195.4	201.5	234.1	262.6	297.2	313.5	580.1	618.8	928.2	820.3	498.7
85°	103.8	107.9	122.1	120.1	142.5	124.2	244.3	242.2	339.9	372.5	189.3
87.5°	0.0	0.0	2.0	2.0	4.1	6.1	26.5	28.5	71.2	114.0	63.1
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°	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7	3423.7
2.5°	3440.0	3415.6	3427.8	3423.7	3435.9	3435.9	3413.5	3407.4	3409.4	3385.0	3376.9
5°	3470.5	3442.0	3448.1	3440.0	3452.2	3462.4	3452.2	3452.2	3464.4	3446.1	3435.9
7.5°	3539.7	3507.1	3507.1	3497.0	3511.2	3519.4	3511.2	3523.4	3545.8	3527.5	3517.3
10°	3649.6	3611.0	3613.0	3600.8	3606.9	3602.8	3570.2	3560.1	3566.2	3549.9	3541.8
12.5°	3792.1	3739.2	3739.2	3714.8	3700.5	3657.8	3590.6	3566.2	3570.2	3556.0	3549.9
15°	3928.5	3879.6	3869.5	3820.6	3755.5	3676.1	3615.0	3598.7	3602.8	3588.6	3578.4
17.5°	4089.3	4026.2	3989.6	3900.0	3779.9	3698.5	3637.4	3598.7	3566.2	3533.6	3525.5
20°	4237.9	4158.5	4091.3	3952.9	3806.4	3694.4	3580.4	3484.8	3405.4	3362.6	3352.5
22.5°	4390.6	4288.8	4170.7	3989.6	3804.3	3621.1	3411.5	3267.0	3148.9	3085.8	3098.0
25°	4535.1	4406.8	4246.0	4024.2	3739.2	3458.3	3173.3	2957.6	2823.2	2774.4	2760.1
27.5°	4655.2	4496.4	4315.2	4007.9	3604.9	3224.2	2847.6	2607.5	2477.2	2422.2	2408.0
30°	4789.5	4610.4	4415.0	3932.6	3393.2	2896.5	2479.2	2283.8	2190.2	2137.3	2139.3
32.5°	4944.2	4756.9	4555.4	3788.0	3122.4	2542.3	2175.9	2041.6	1966.3	1913.4	1905.2
35°	5151.8	4966.6	4649.1	3570.2	2778.4	2216.6	1968.3	1858.4	1764.8	1695.6	1681.3
37.5°	5408.3	5282.1	4659.2	3279.2	2410.0	1992.7	1819.7	1701.7	1587.7	1496.1	1485.9
40°	5848.0	5703.4	4575.8	2914.8	2096.6	1848.2	1695.6	1559.2	1426.9	1325.1	1310.9
42.5°	6474.9	6177.7	4396.7	2503.7	1860.4	1734.2	1577.5	1404.5	1270.1	1198.9	1188.7
45°	7272.8	6706.9	4128.0	2116.9	1685.4	1622.3	1453.3	1272.2	1200.9	1150.1	1139.9
47.5°	8249.8	7323.7	3818.6	1815.7	1549.0	1520.5	1327.1	1227.4	1164.3	1121.6	1111.4
50°	9418.2	8109.4	3564.1	1579.5	1426.9	1402.5	1286.4	1200.9	1150.1	1115.4	1107.3
52.5°	10751.5	8982.6	3440.0	1410.6	1321.0	1296.6	1272.2	1194.8	1152.1	1125.6	1115.4
55°	12135.6	9902.7	3324.0	1280.3	1231.5	1245.7	1274.2	1215.2	1182.6	1148.0	1137.8
57.5°	13472.9	10765.7	3039.0	1178.5	1166.3	1221.3	1284.4	1235.5	1196.9	1162.3	1150.1
60°	14395.0	11237.9	2556.6	1097.1	1117.5	1190.8	1257.9	1205.0	1156.2	1141.9	1135.8
62.5°	14643.3	11180.9	1984.6	1013.7	1058.5	1123.6	1188.7	1154.1	1103.2	1125.6	1127.7
65°	14063.2	10570.3	1490.0	932.3	981.1	1036.1	1117.5	1103.2	1084.9	1146.0	1148.0
67.5°	12420.6	9070.1	1135.8	861.0	901.7	968.9	1095.1	1154.1	1158.2	1235.5	1227.4
70°	9397.9	6776.1	889.5	793.8	840.7	968.9	1166.3	1192.8	1143.9	1215.2	1198.9
72.5°	6497.3	4472.0	757.2	734.8	765.3	924.1	1164.3	1164.3	1111.4	1111.4	1080.8
75°	4036.4	2629.9	659.5	659.5	659.5	808.1	1131.7	1072.7	979.1	936.3	911.9
77.5°	1992.7	1278.3	553.7	574.0	551.6	675.8	924.1	877.3	820.3	775.5	759.2
80°	850.8	639.1	447.8	470.2	443.7	508.9	732.8	722.6	667.6	608.6	590.3
82.5°	390.8	329.7	358.2	368.4	323.6	382.7	535.3	535.3	504.8	423.4	392.8
85°	166.9	175.1	248.3	248.3	203.5	215.8	287.0	272.8	244.3	199.5	183.2
87.5°	57.0	85.5	126.2	109.9	42.7	18.3	10.2	4.1	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)