

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: P642020

Luminaire Tested: GWS-SA6C-722-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642020
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-722-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13118 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

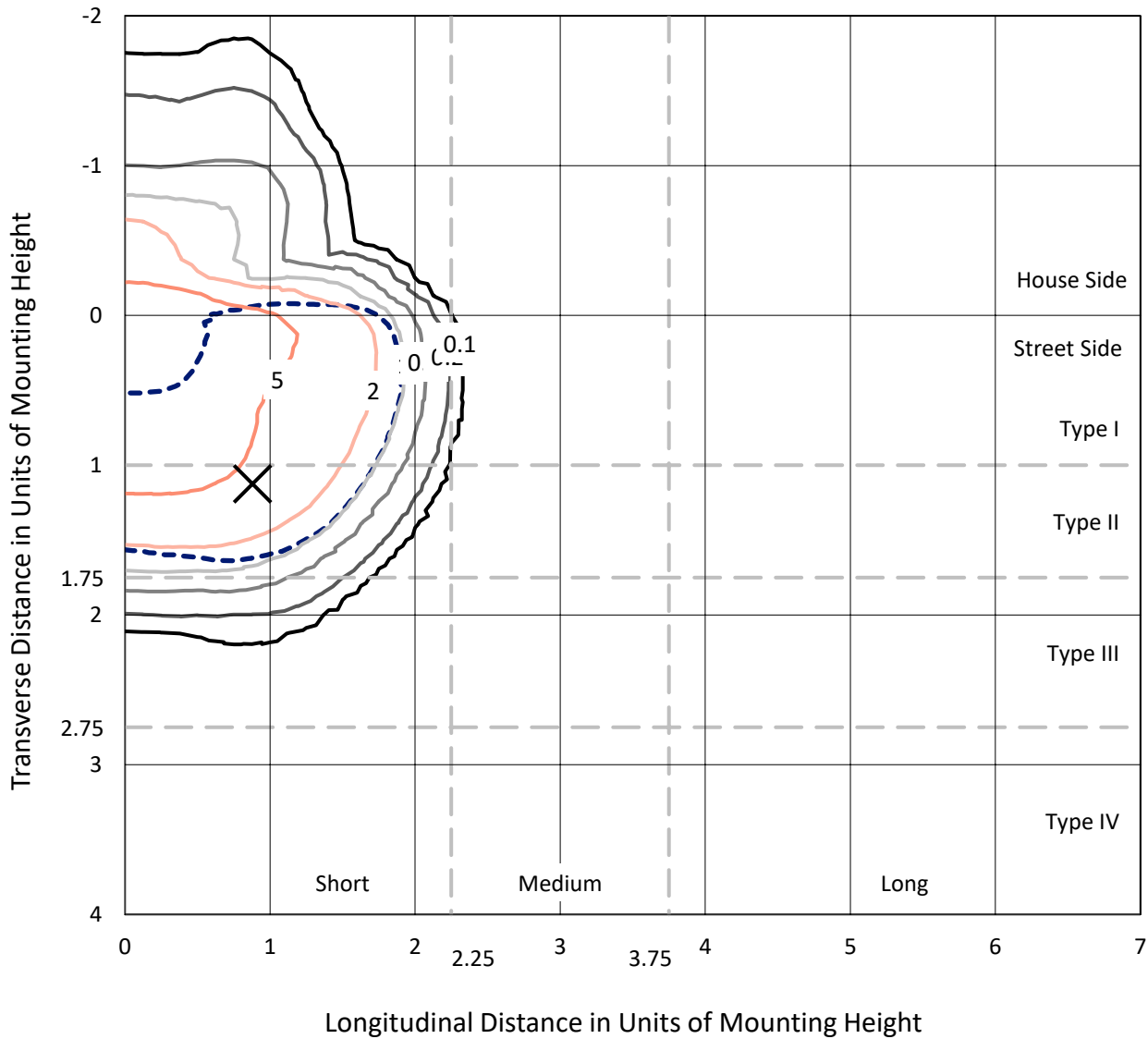
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

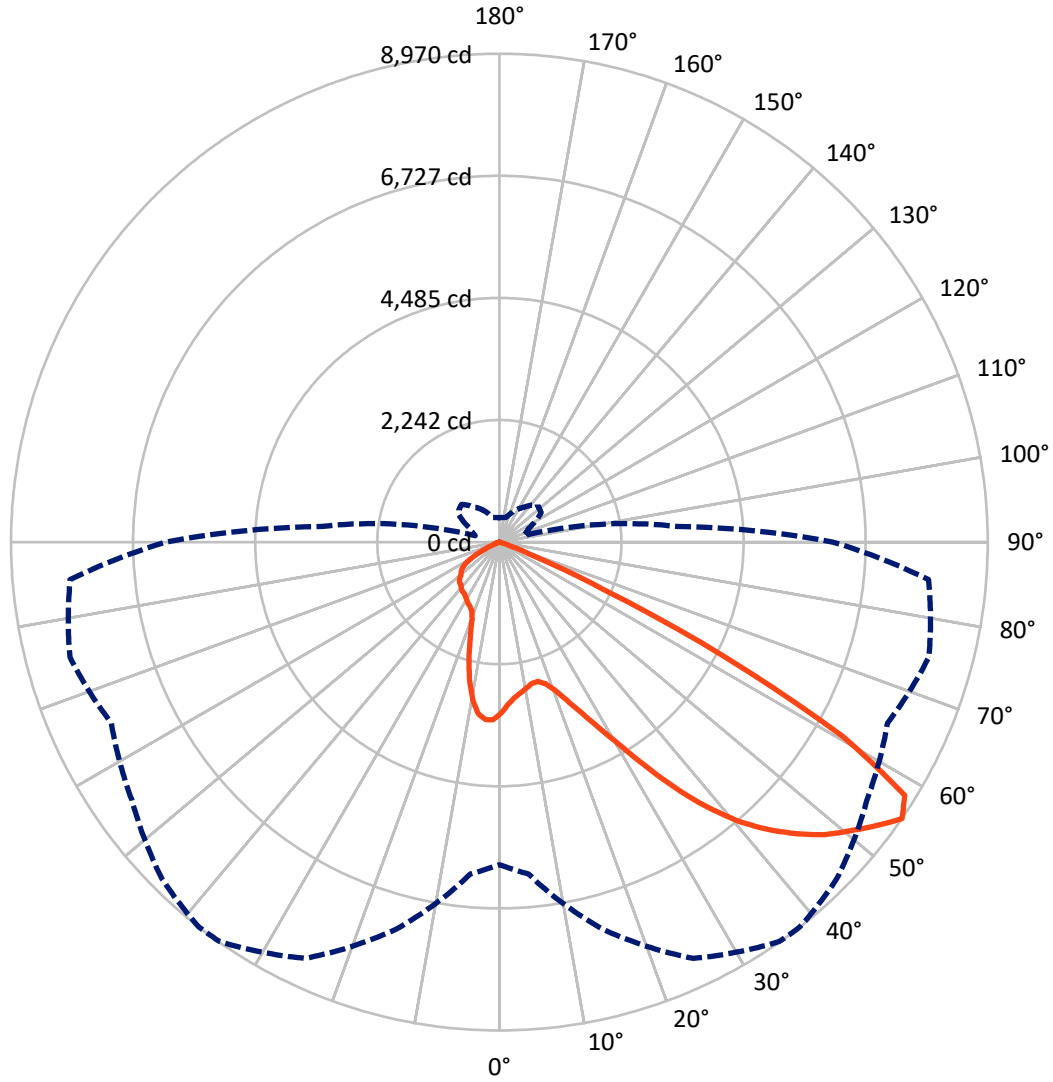
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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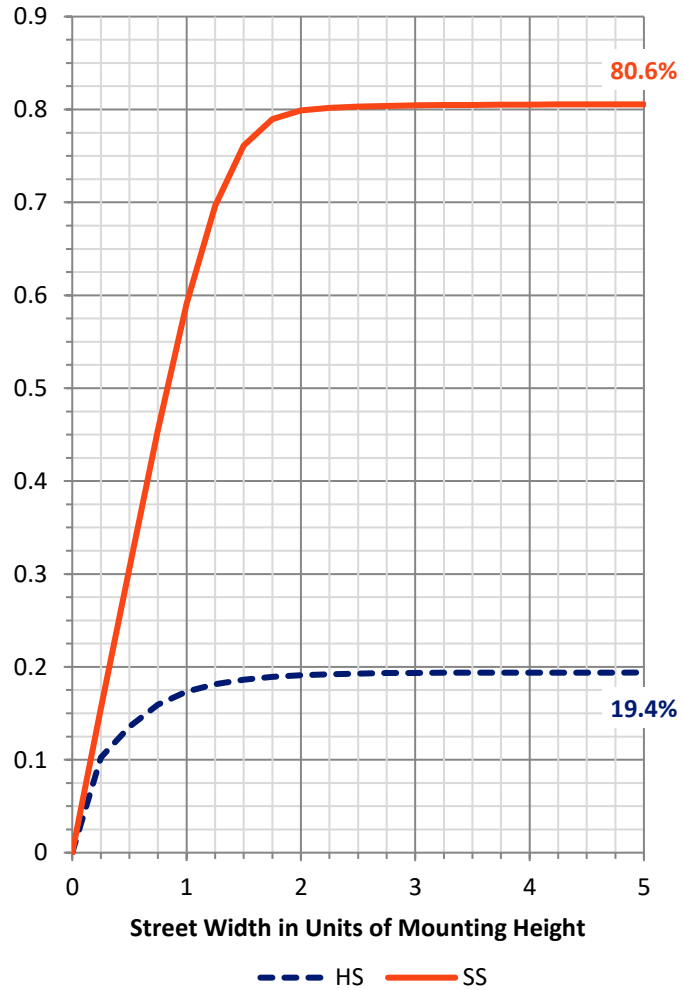
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2555.8	0.0	2555.8
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	10562.2	0.0	10562.2
	% Fixture	80.5	0.0	80.5
Total	Lumens	13118.0	0.0	13118.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.9	2.2
10°-20°	783.1	6.0
20°-30°	1343.8	10.2
30°-40°	2228.7	17.0
40°-50°	3276.3	25.0
50°-60°	3828.5	29.2
60°-70°	1297.7	9.9
70°-80°	66.4	0.5
80°-90°	2.6	0.0
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°	13118.0	100.0
0°-180°	13118.0	100.0

Coefficient of Utilization



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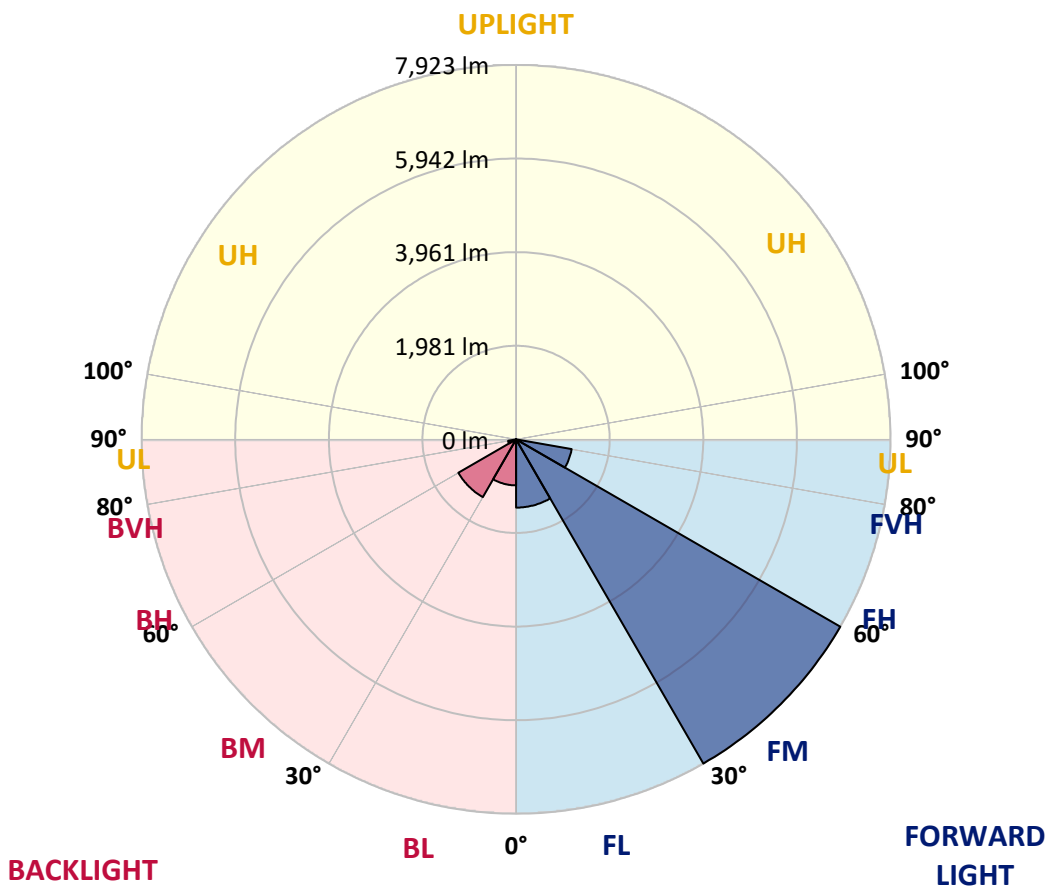
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1444.0	11.0			
FM (30°-60°)	7922.9	60.4			
FH (60°-80°)	1193.9	9.1			G1/1800
FVH (80°-90°)	1.4	0.0			G0/10
BL (0°-30°)	973.7	7.4	B2/1000		
BM (30°-60°)	1410.7	10.8	B2/2500		
BH (60°-80°)	170.2	1.3	B1/500		G1/500
BVH (80°-90°)	1.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	3145.8	3145.8	3145.8	3145.8	3145.8	3145.8	3145.8	3145.8	3145.8	3145.8	3145.8
2.5°	2929.9	2923.9	2935.9	2959.9	2982.4	2989.9	3012.3	3043.8	3063.3	3109.8	3147.3
5°	2797.9	2794.9	2806.9	2827.9	2857.9	2868.4	2902.9	2955.4	3007.8	3088.8	3168.3
7.5°	2678.0	2676.5	2694.5	2741.0	2784.4	2797.9	2839.9	2904.4	2974.9	3099.3	3216.3
10°	2520.5	2522.0	2556.5	2622.5	2702.0	2729.0	2796.4	2889.4	2980.9	3141.3	3303.2
12.5°	2469.6	2472.6	2490.5	2541.5	2628.5	2663.0	2757.4	2898.4	3015.3	3201.3	3415.7
15°	2594.0	2594.0	2579.0	2585.0	2624.0	2655.5	2754.4	2928.4	3073.8	3273.2	3526.7
17.5°	2835.4	2826.4	2788.9	2738.0	2724.5	2735.0	2814.4	2992.9	3156.3	3357.2	3652.6
20°	3162.3	3165.3	3091.8	2985.4	2899.9	2898.4	2946.4	3106.8	3274.7	3457.7	3789.1
22.5°	3558.1	3546.1	3448.7	3303.2	3154.8	3142.8	3162.3	3280.7	3445.7	3616.6	3957.0
25°	4017.0	4011.0	3873.0	3678.1	3481.7	3453.2	3453.2	3570.1	3690.1	3843.0	4157.9
27.5°	4496.8	4496.8	4363.3	4138.4	3877.5	3826.5	3819.0	3957.0	4036.5	4066.4	4327.3
30°	4990.1	4984.1	4852.1	4621.2	4342.3	4289.9	4268.9	4370.8	4427.8	4337.8	4538.8
32.5°	5490.9	5501.4	5367.9	5153.5	4904.6	4870.1	4805.7	4805.7	4852.1	4726.2	4871.6
35°	6029.2	6026.2	5921.2	5775.8	5562.9	5523.9	5417.4	5251.0	5321.5	5266.0	5332.0
37.5°	6504.5	6527.0	6476.0	6368.1	6195.6	6156.6	5981.2	5679.8	5733.8	5820.8	5879.3
40°	6987.3	7005.3	7056.3	7021.8	6804.4	6732.4	6420.5	5925.7	5985.7	6284.1	6452.0
42.5°	7461.1	7470.1	7573.6	7630.6	7339.7	7213.7	6753.4	6075.7	6138.7	6647.0	6940.8
45°	7762.5	7782.0	7953.0	8126.9	7812.0	7639.6	7042.8	6267.6	6294.6	6898.9	7302.2
47.5°	7750.5	7795.5	8116.4	8432.8	8218.4	8032.4	7390.7	6575.0	6530.0	7135.8	7540.6
50°	7509.1	7563.1	8023.4	8525.7	8510.7	8338.3	7777.5	7020.3	6879.4	7345.7	7570.6
52.5°	7008.3	7164.3	7860.0	8537.7	8746.2	8659.2	8255.8	7620.1	7351.7	7647.1	7618.6
55°	5925.7	6117.7	7363.7	8435.8	8959.1	8969.6	8758.2	8245.3	7864.5	8165.9	7914.0
57.5°	4498.3	4651.2	5667.8	7509.1	8606.7	8779.1	8953.1	8575.2	8180.9	8519.7	7982.9
60°	2711.0	2887.9	3549.1	5510.4	6951.3	7245.2	7927.5	7854.0	7378.7	7524.1	6546.5
62.5°	1099.1	1192.0	1638.9	3036.3	4375.3	4649.7	5303.5	5414.4	5297.5	5149.0	3970.5
65°	401.8	439.3	656.7	1255.0	2012.2	2112.7	2457.6	2654.0	2815.9	2397.6	1476.9
67.5°	248.9	272.9	427.3	644.8	731.7	680.7	692.7	826.2	788.7	487.3	263.9
70°	184.4	203.9	334.4	446.8	295.4	227.9	154.4	164.9	148.4	130.5	129.0
72.5°	127.5	145.4	250.4	263.9	114.0	81.0	57.0	79.5	90.0	88.5	91.5
75°	84.0	97.5	157.4	103.5	28.5	22.5	19.5	42.0	54.0	54.0	55.5
77.5°	49.5	57.0	55.5	21.0	6.0	6.0	4.5	7.5	12.0	13.5	16.5
80°	6.0	4.5	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5	4.5
82.5°	1.5	1.5	1.5	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5
85°	0.0	0.0	1.5	1.5	3.0	3.0	3.0	3.0	3.0	4.5	4.5
87.5°	0.0	0.0	1.5	1.5	3.0	3.0	3.0	3.0	3.0	4.5	4.5
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°	3145.8	3145.8	3145.8	3145.8	3145.8	3145.8	3145.8	3145.8	3145.8	3145.8	3145.8
2.5°	3175.8	3165.3	3208.8	3240.3	3265.8	3277.7	3261.3	3259.8	3259.8	3226.8	3217.8
5°	3213.3	3217.8	3279.2	3306.2	3310.7	3295.7	3258.3	3232.8	3217.8	3183.3	3163.8
7.5°	3285.2	3300.2	3358.7	3354.2	3313.7	3244.8	3145.8	3069.3	3019.8	2965.9	2932.9
10°	3388.7	3417.2	3453.2	3390.2	3261.3	3085.8	2881.9	2736.5	2649.5	2588.0	2550.5
12.5°	3514.7	3543.1	3531.1	3382.7	3114.3	2800.9	2538.5	2328.6	2228.1	2172.7	2133.7
15°	3642.1	3660.1	3582.1	3292.7	2854.9	2433.6	2141.2	1932.8	1809.8	1764.8	1731.8
17.5°	3772.6	3768.1	3591.1	3115.8	2508.5	2019.7	1731.8	1589.4	1554.9	1547.4	1544.4
20°	3909.0	3868.5	3555.1	2862.4	2091.7	1610.4	1446.9	1455.9	1518.9	1548.9	1554.9
22.5°	4064.9	3963.0	3465.2	2519.0	1665.9	1342.0	1358.5	1446.9	1532.4	1572.9	1578.9
25°	4231.4	4050.0	3315.2	2078.2	1313.5	1234.0	1331.5	1433.5	1524.9	1574.4	1580.4
27.5°	4340.8	4070.9	3069.3	1634.4	1127.6	1192.0	1295.5	1393.0	1487.4	1541.4	1548.9
30°	4459.3	4061.9	2735.0	1259.5	1064.6	1156.1	1246.0	1334.5	1421.5	1481.4	1487.4
32.5°	4633.2	4055.9	2327.1	1022.6	1039.1	1127.6	1193.5	1267.0	1327.0	1361.5	1357.0
35°	4861.1	4048.5	1851.8	922.1	1024.1	1105.1	1157.6	1192.0	1126.1	1105.1	1109.6
37.5°	5153.5	4066.4	1451.4	880.2	1019.6	1099.1	1144.1	1045.1	943.1	904.2	898.2
40°	5477.4	4112.9	1106.6	863.7	1034.6	1114.1	1093.1	929.6	803.7	727.2	710.7
42.5°	5802.8	4163.9	875.7	857.7	1060.1	1156.1	1009.1	845.7	656.7	613.3	607.3
45°	6044.2	4154.9	757.2	847.2	1082.6	1180.0	986.6	725.7	586.3	566.8	568.3
47.5°	6165.6	4055.9	692.7	823.2	1091.6	1156.1	931.1	676.2	538.3	559.3	577.3
50°	6101.2	3799.5	632.8	776.7	1072.1	1124.6	842.7	638.8	514.3	601.3	641.8
52.5°	6023.2	3484.7	566.8	704.7	1025.6	1081.1	808.2	628.3	499.3	580.3	610.3
55°	6126.7	3285.2	458.8	593.8	934.1	979.1	781.2	626.8	464.8	451.3	446.8
57.5°	5981.2	2887.9	328.4	427.3	716.7	775.2	761.7	616.3	412.3	410.8	416.8
60°	4622.7	1761.8	224.9	271.4	439.3	494.8	691.2	589.3	355.4	326.9	328.4
62.5°	2627.0	749.7	154.4	167.9	224.9	266.9	527.8	535.3	328.4	311.9	328.4
65°	914.7	268.4	120.0	112.5	124.5	142.4	302.9	413.8	298.4	269.9	272.9
67.5°	188.9	133.4	106.5	93.0	93.0	93.0	154.4	257.9	245.9	214.4	217.4
70°	120.0	114.0	93.0	79.5	76.5	70.5	88.5	142.4	169.4	155.9	157.4
72.5°	88.5	87.0	73.5	64.5	57.0	51.0	55.5	70.5	87.0	90.0	91.5
75°	54.0	55.5	48.0	40.5	36.0	31.5	33.0	33.0	33.0	30.0	33.0
77.5°	16.5	18.0	15.0	12.0	10.5	10.5	10.5	9.0	7.5	4.5	4.5
80°	4.5	4.5	4.5	4.5	4.5	3.0	3.0	1.5	1.5	0.0	0.0
82.5°	4.5	4.5	4.5	4.5	3.0	3.0	1.5	1.5	0.0	0.0	0.0
85°	4.5	4.5	4.5	4.5	3.0	3.0	1.5	1.5	0.0	0.0	0.0
87.5°	4.5	4.5	4.5	4.5	3.0	3.0	1.5	1.5	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)