

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: P634816

Luminaire Tested: GWS-SA3C-740-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12230 lumens
Efficiency: N/A
Efficacy: 131.5 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

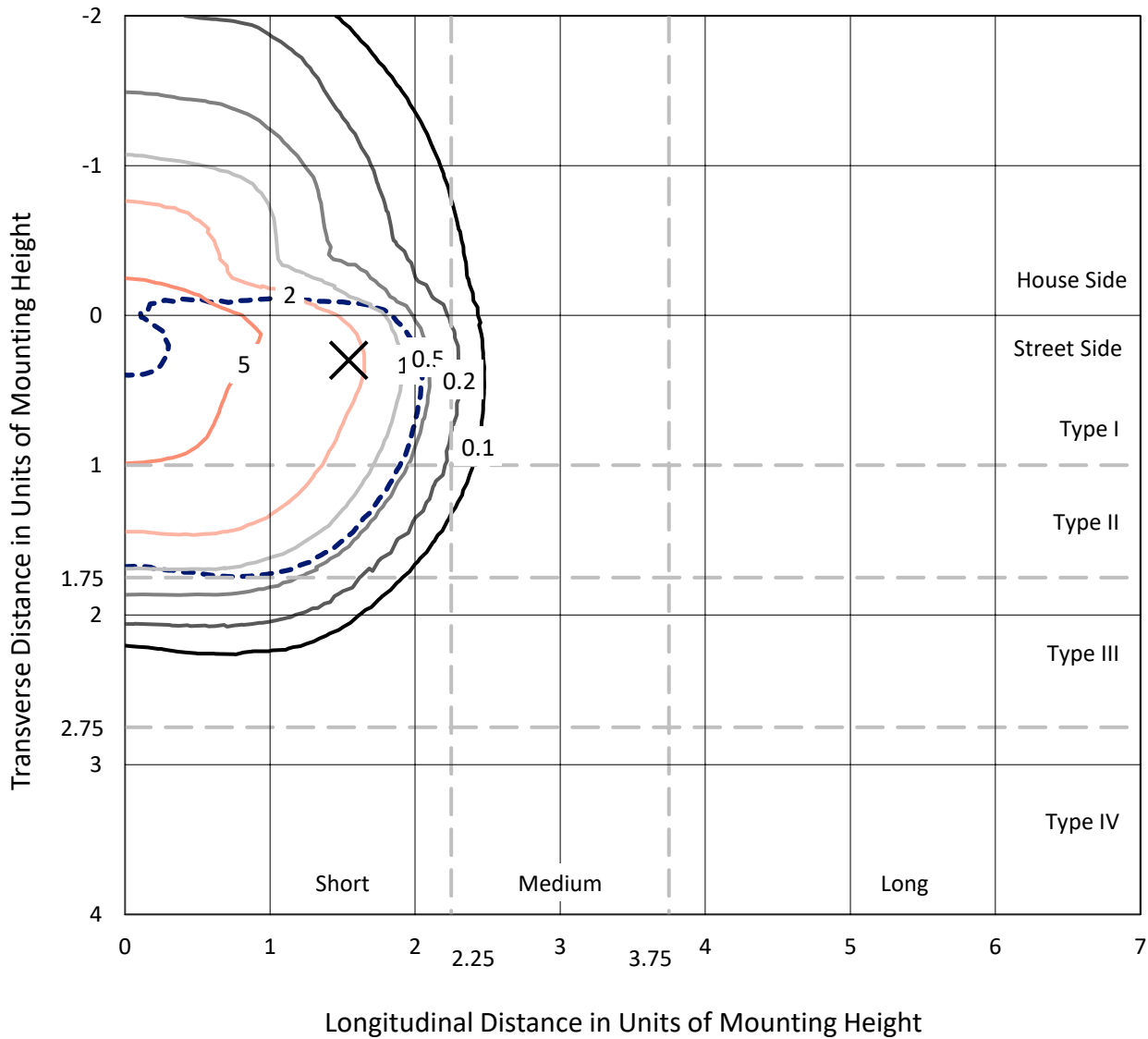
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

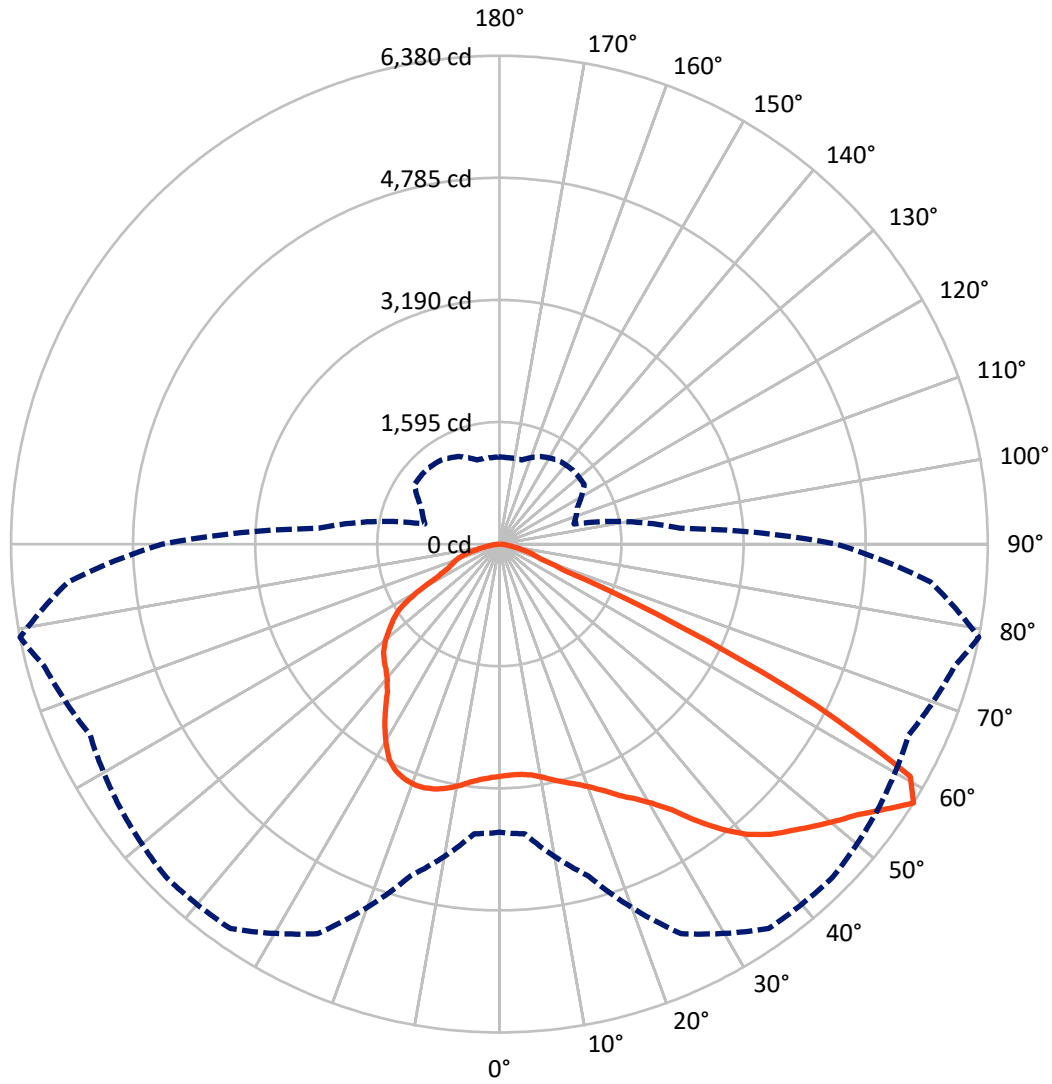
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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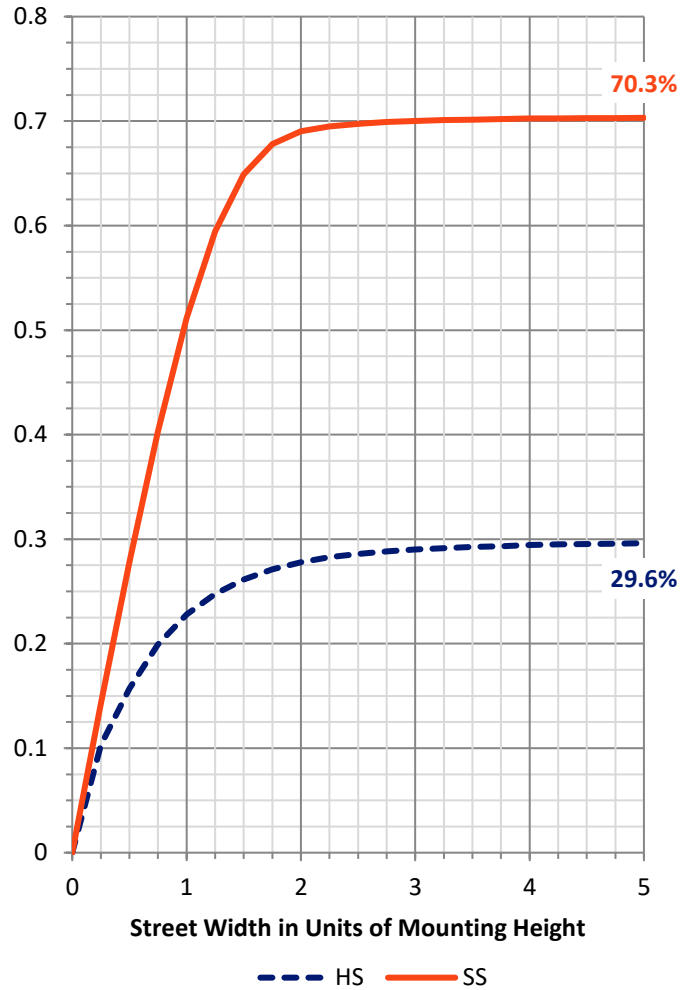
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3635.4	0.0	3635.4
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	8594.6	0.0	8594.6
	% Fixture	70.3	0.0	70.3
Total	Lumens	12230.0	0.0	12230.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.7	2.3
10°-20°	780.0	6.4
20°-30°	1322.2	10.8
30°-40°	2023.7	16.5
40°-50°	2698.5	22.1
50°-60°	3116.6	25.5
60°-70°	1619.5	13.2
70°-80°	344.3	2.8
80°-90°	44.6	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°	12230.0	100.0
0°-180°	12230.0	100.0

Coefficient of Utilization



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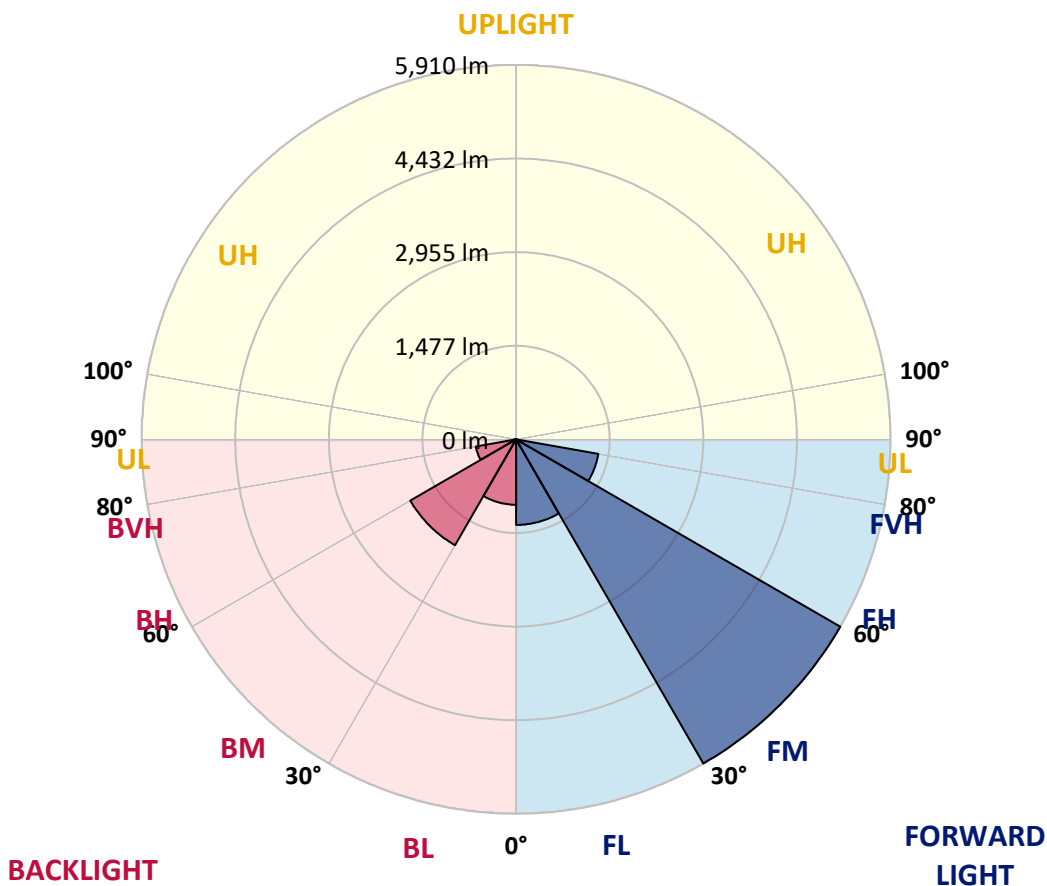
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1350.5	11.0			
FM (30°-60°)	5909.9	48.3			
FH (60°-80°)	1318.7	10.8			G1/1800
FVH (80°-90°)	15.5	0.1			G1/100
BL (0°-30°)	1032.4	8.4	B3/2500		
BM (30°-60°)	1928.9	15.8	B2/2500		
BH (60°-80°)	645.0	5.3	B2/1000		G2/1000
BVH (80°-90°)	29.0	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	3030.9	3030.9	3030.9	3030.9	3030.9	3030.9	3030.9	3030.9	3030.9	3030.9	3030.9
2.5°	2892.9	2886.9	2888.9	2896.9	2926.9	2948.9	2971.9	2992.9	3012.9	3018.9	3023.9
5°	2789.9	2778.9	2781.9	2794.9	2829.9	2866.9	2907.9	2957.9	3005.9	3021.9	3042.9
7.5°	2716.9	2714.9	2719.9	2739.9	2776.9	2811.9	2864.9	2935.9	3018.9	3045.9	3082.9
10°	2619.9	2615.9	2635.9	2676.9	2737.9	2793.9	2856.9	2940.9	3056.9	3096.9	3153.9
12.5°	2542.9	2540.9	2561.9	2618.9	2696.9	2785.9	2872.9	2966.9	3107.9	3162.9	3232.9
15°	2587.9	2578.9	2579.9	2619.9	2689.9	2794.9	2912.9	3013.9	3158.9	3228.9	3318.9
17.5°	2718.9	2702.9	2690.9	2697.9	2737.9	2846.9	2973.9	3076.9	3217.9	3299.9	3409.9
20°	2899.9	2890.9	2857.9	2835.9	2844.9	2940.9	3069.9	3165.9	3294.9	3386.9	3504.9
22.5°	3142.9	3120.9	3075.9	3040.9	3013.9	3088.9	3207.9	3290.9	3401.9	3497.9	3620.9
25°	3443.9	3411.9	3340.9	3285.9	3227.9	3304.9	3410.9	3473.9	3548.9	3637.9	3754.8
27.5°	3750.8	3723.8	3644.9	3570.9	3498.9	3546.9	3672.9	3708.8	3700.8	3765.8	3865.8
30°	4077.8	4043.8	3968.8	3888.8	3795.8	3826.8	3939.8	3957.8	3872.8	3926.8	3994.8
32.5°	4422.8	4389.8	4324.8	4231.8	4126.8	4138.8	4169.8	4186.8	4105.8	4136.8	4188.8
35°	4773.8	4742.8	4676.8	4584.8	4507.8	4434.8	4356.8	4424.8	4377.8	4437.8	4433.8
37.5°	5094.8	5063.8	5022.8	4951.8	4819.8	4675.8	4495.8	4579.8	4652.8	4728.8	4715.8
40°	5311.8	5290.8	5300.8	5289.8	5119.8	4834.8	4563.8	4655.8	4854.8	4984.8	4977.8
42.5°	5498.8	5477.8	5535.8	5577.8	5377.8	4981.8	4596.8	4684.8	4983.8	5186.8	5176.8
45°	5581.8	5575.8	5671.8	5804.8	5613.8	5137.8	4681.8	4744.8	5081.8	5341.8	5303.8
47.5°	5482.8	5503.8	5692.8	5917.8	5809.8	5322.8	4855.8	4871.8	5209.8	5509.8	5402.8
50°	5285.8	5331.8	5586.8	5920.8	5952.8	5531.8	5096.8	5056.8	5381.8	5688.8	5454.8
52.5°	4998.8	5046.8	5462.8	5897.8	6034.8	5773.8	5417.8	5360.8	5598.8	5867.8	5463.8
55°	4339.8	4404.8	5178.8	5845.8	6114.8	5993.8	5779.8	5663.8	5878.8	6113.8	5552.8
57.5°	3764.8	3798.8	4486.8	5614.8	6130.8	6155.7	6037.8	5899.8	6156.7	6379.7	5652.8
60°	2762.9	2770.9	3389.9	4645.8	5639.8	6061.8	6016.8	5811.8	6024.8	6166.7	5194.8
62.5°	1560.9	1561.9	2055.9	3100.9	4212.8	4940.8	4968.8	4787.8	4608.8	4650.8	3615.9
65°	586.0	641.0	939.0	1523.9	2428.9	2916.9	3032.9	3074.9	2776.9	2591.9	1938.9
67.5°	392.0	405.0	548.0	784.0	1081.0	1247.9	1395.9	1399.9	1024.0	913.0	764.0
70°	299.0	312.0	431.0	561.0	548.0	506.0	547.0	532.0	550.0	565.0	581.0
72.5°	223.0	236.0	334.0	396.0	329.0	324.0	367.0	408.0	446.0	462.0	487.0
75°	148.0	158.0	225.0	212.0	182.0	215.0	268.0	309.0	331.0	350.0	369.0
77.5°	94.0	101.0	120.0	97.0	101.0	126.0	156.0	193.0	214.0	233.0	243.0
80°	43.0	42.0	41.0	46.0	57.0	74.0	94.0	116.0	132.0	140.0	146.0
82.5°	17.0	19.0	21.0	25.0	31.0	40.0	53.0	68.0	81.0	83.0	88.0
85°	7.0	8.0	9.0	11.0	14.0	18.0	22.0	31.0	39.0	42.0	45.0
87.5°	0.0	0.0	0.0	0.0	1.0	2.0	3.0	5.0	9.0	10.0	11.0
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°	3030.9	3030.9	3030.9	3030.9	3030.9	3030.9	3030.9	3030.9	3030.9	3030.9	3030.9
2.5°	3050.9	3037.9	3059.9	3074.9	3088.9	3073.9	3068.9	3055.9	3053.9	3053.9	3060.9
5°	3078.9	3069.9	3092.9	3101.9	3100.9	3067.9	3047.9	3021.9	3008.9	3008.9	3010.9
7.5°	3128.9	3123.9	3136.9	3122.9	3090.9	3023.9	2957.9	2902.9	2865.9	2846.9	2852.9
10°	3211.9	3205.9	3194.9	3142.9	3050.9	2911.9	2776.9	2676.9	2616.9	2582.9	2584.9
12.5°	3292.9	3282.9	3243.9	3128.9	2939.9	2718.9	2541.9	2429.9	2363.9	2323.9	2314.9
15°	3381.9	3355.9	3271.9	3056.9	2758.9	2482.9	2297.9	2176.9	2105.9	2081.9	2080.9
17.5°	3466.9	3420.9	3268.9	2928.9	2541.9	2235.9	2049.9	1974.9	1962.9	1973.9	1976.9
20°	3552.9	3478.9	3235.9	2751.9	2283.9	1989.9	1893.9	1924.9	1969.9	1999.9	2006.9
22.5°	3641.9	3526.9	3160.9	2523.9	2011.9	1823.9	1863.9	1931.9	1987.9	2027.9	2031.9
25°	3741.8	3571.9	3048.9	2244.9	1793.9	1777.9	1856.9	1928.9	1988.9	2034.9	2042.9
27.5°	3798.8	3572.9	2891.9	1957.9	1693.9	1759.9	1839.9	1907.9	1967.9	2017.9	2026.9
30°	3854.8	3545.9	2642.9	1724.9	1664.9	1738.9	1810.9	1873.9	1930.9	1979.9	1990.9
32.5°	3933.8	3520.9	2355.9	1590.9	1647.9	1718.9	1777.9	1833.9	1877.9	1899.9	1905.9
35°	4031.8	3488.9	2050.9	1532.9	1636.9	1702.9	1754.9	1784.9	1727.9	1715.9	1728.9
37.5°	4168.8	3458.9	1746.9	1507.9	1629.9	1696.9	1742.9	1665.9	1595.9	1567.9	1577.9
40°	4316.8	3441.9	1540.9	1487.9	1632.9	1702.9	1692.9	1578.9	1477.9	1418.9	1416.9
42.5°	4442.8	3415.9	1408.9	1474.9	1640.9	1725.9	1624.9	1501.9	1351.9	1316.9	1317.9
45°	4527.8	3349.9	1338.9	1460.9	1647.9	1730.9	1592.9	1395.9	1288.9	1266.9	1265.9
47.5°	4562.8	3229.9	1293.9	1438.9	1646.9	1689.9	1527.9	1351.9	1244.9	1238.9	1242.9
50°	4539.8	3032.9	1247.9	1395.9	1622.9	1646.9	1452.9	1312.9	1215.0	1247.9	1271.9
52.5°	4454.8	2777.9	1193.0	1336.9	1579.9	1597.9	1414.9	1288.9	1193.0	1236.9	1255.9
55°	4432.8	2570.9	1123.0	1259.9	1515.9	1510.9	1374.9	1276.9	1178.0	1161.0	1164.0
57.5°	4403.8	2368.9	1007.0	1122.0	1353.9	1361.9	1336.9	1262.9	1139.0	1134.0	1139.0
60°	3825.8	1815.9	898.0	968.0	1112.0	1155.0	1293.9	1236.9	1076.0	1055.0	1054.0
62.5°	2498.9	1100.0	799.0	844.0	906.0	956.0	1180.0	1162.0	1007.0	994.0	1003.0
65°	1343.9	784.0	727.0	754.0	788.0	826.0	978.0	1035.0	910.0	864.0	865.0
67.5°	687.0	667.0	673.0	692.0	718.0	737.0	789.0	839.0	776.0	737.0	736.0
70°	588.0	604.0	613.0	624.0	641.0	638.0	643.0	652.0	647.0	628.0	627.0
72.5°	501.0	526.0	528.0	530.0	536.0	522.0	513.0	498.0	499.0	502.0	503.0
75°	381.0	405.0	411.0	408.0	414.0	396.0	384.0	369.0	351.0	348.0	350.0
77.5°	248.0	267.0	276.0	274.0	277.0	263.0	257.0	241.0	220.0	212.0	212.0
80°	150.0	161.0	168.0	170.0	173.0	163.0	153.0	139.0	130.0	121.0	121.0
82.5°	91.0	98.0	103.0	103.0	106.0	95.0	87.0	77.0	73.0	65.0	65.0
85°	46.0	51.0	53.0	52.0	50.0	41.0	38.0	33.0	31.0	27.0	27.0
87.5°	11.0	14.0	14.0	10.0	10.0	5.0	3.0	1.0	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)