

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: P635027

Luminaire Tested: GWS-SA3C-830-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-830-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7428.3 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

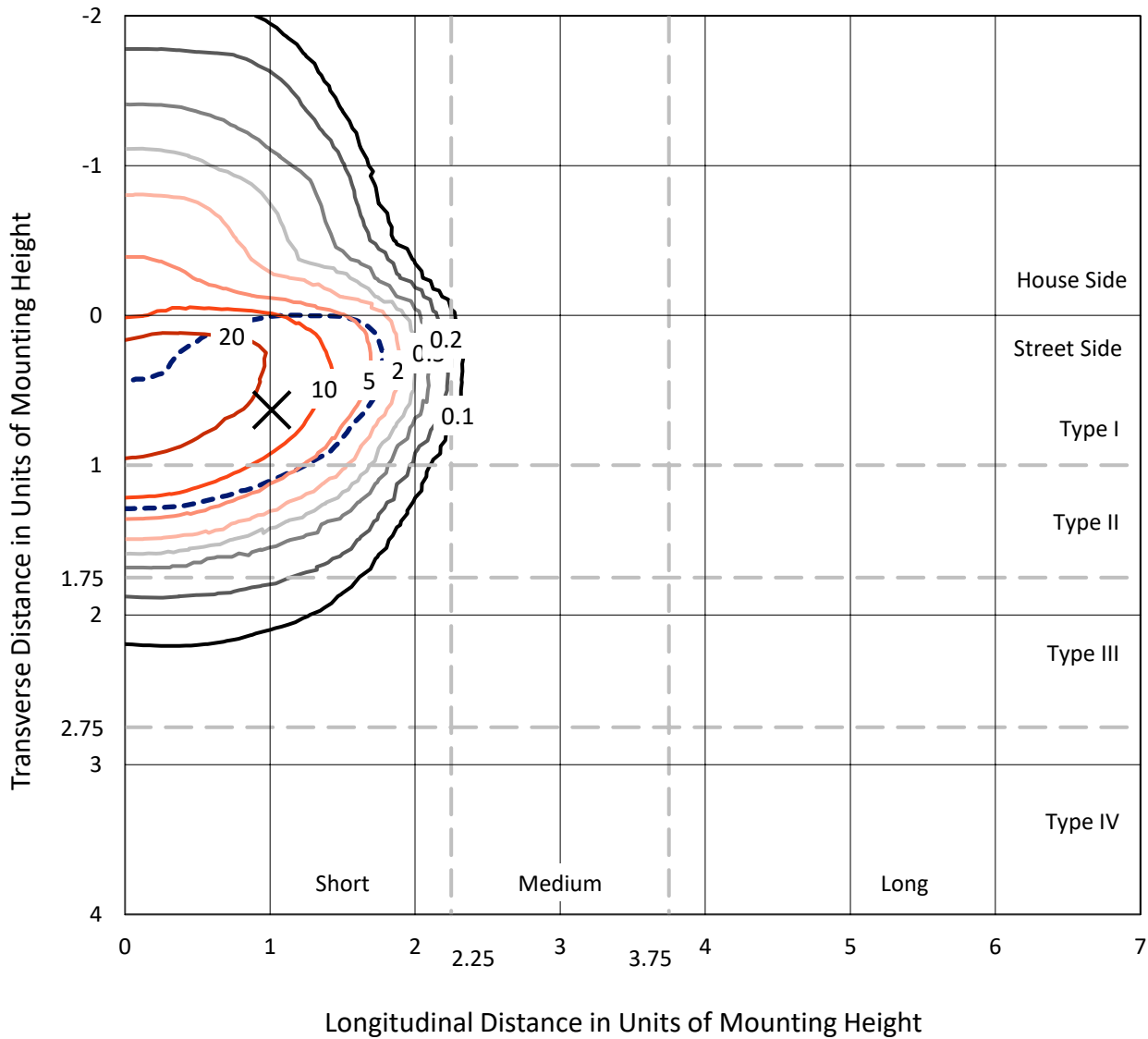
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

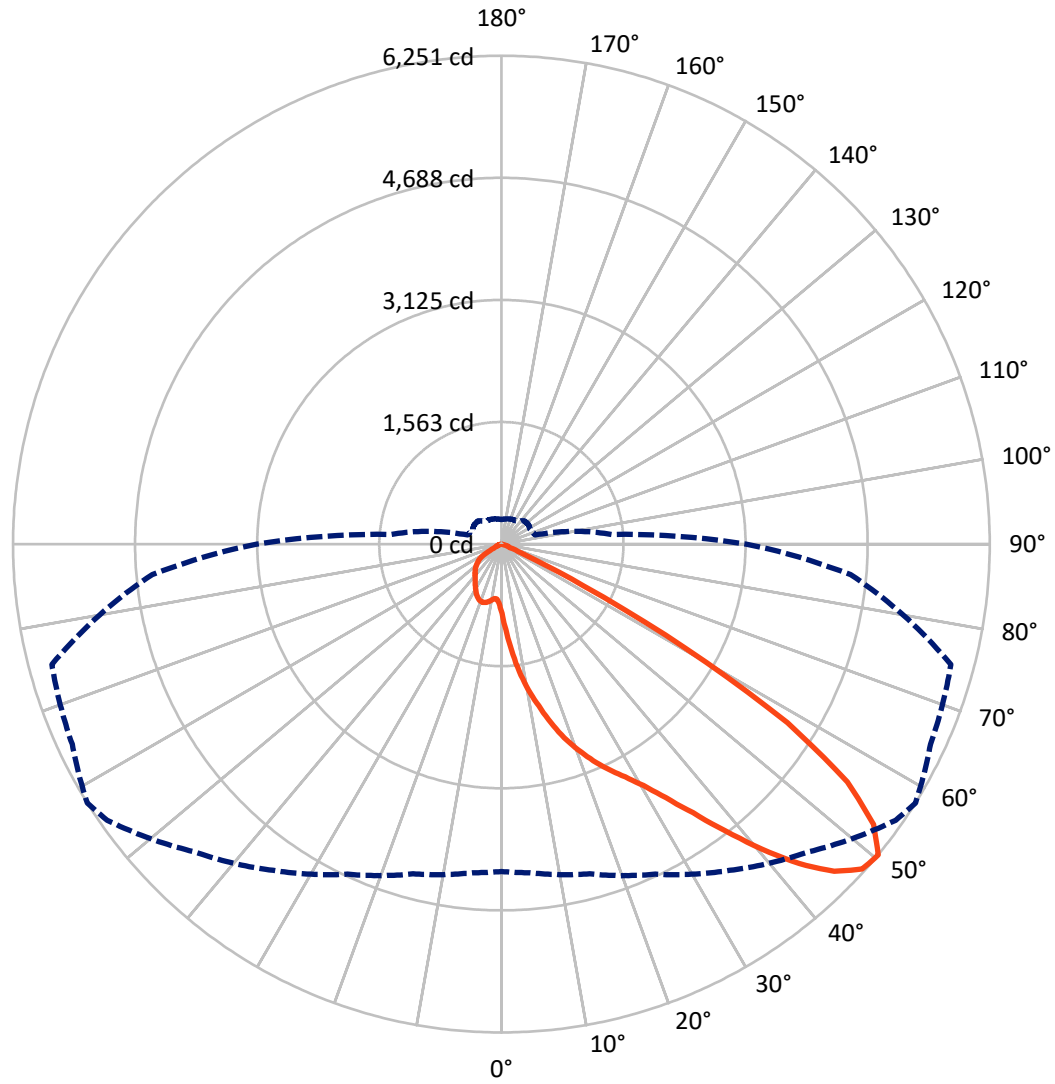
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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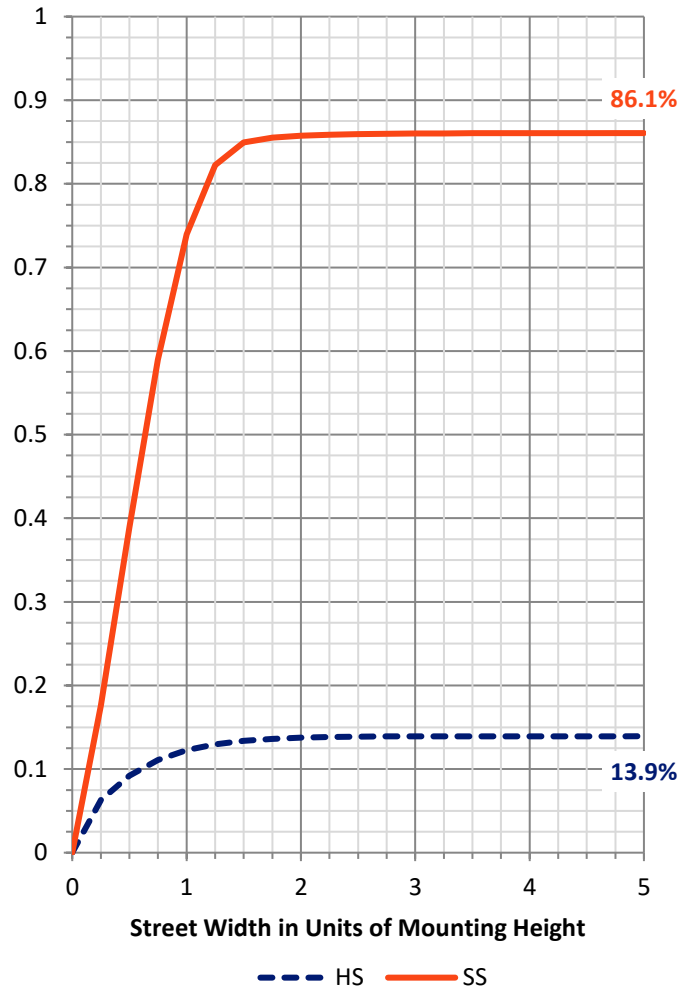
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1040.4	0.0	1040.4
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	6387.9	0.0	6387.9
	% Fixture	86.0	0.0	86.0
Total	Lumens	7428.3	0.0	7428.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	1.5
10°-20°	435.2	5.9
20°-30°	880.5	11.9
30°-40°	1557.8	21.0
40°-50°	2270.9	30.6
50°-60°	1820.2	24.5
60°-70°	327.9	4.4
70°-80°	25.8	0.3
80°-90°	0.0	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°	7428.3	100.0
0°-180°	7428.3	100.0

Coefficient of Utilization



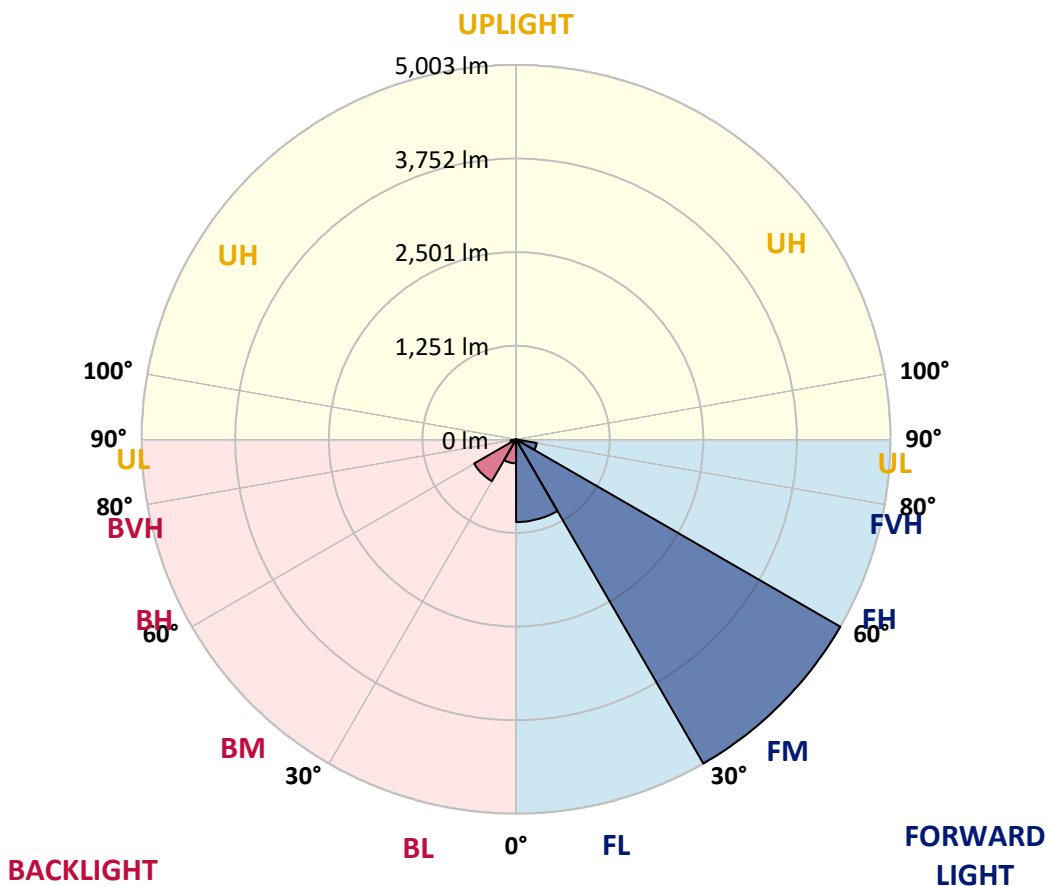
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1105.3	14.9			
FM (30°-60°)	5002.7	67.3			
FH (60°-80°)	279.8	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	320.3	4.3	B1/500		
BM (30°-60°)	646.2	8.7	B1/1000		
BH (60°-80°)	73.9	1.0	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	887.3	887.3	887.3	887.3	887.3	887.3	887.3	887.3	887.3	887.3	887.3
2.5°	1313.1	1292.4	1280.5	1271.0	1228.9	1162.1	1118.5	1095.4	1057.3	992.9	937.3
5°	1713.4	1698.3	1670.5	1651.5	1597.5	1502.9	1405.2	1366.3	1279.7	1134.3	1004.1
7.5°	1978.7	1967.6	1957.3	1931.9	1881.0	1795.2	1687.2	1646.7	1513.3	1306.7	1093.0
10°	2182.9	2174.2	2162.2	2161.4	2121.7	2044.7	1939.0	1896.9	1752.4	1494.2	1197.9
12.5°	2362.4	2355.3	2352.9	2375.1	2349.7	2292.5	2178.1	2125.7	1972.4	1685.6	1313.9
15°	2485.5	2484.0	2494.3	2538.0	2552.3	2526.1	2429.9	2373.5	2197.2	1877.9	1441.8
17.5°	2541.9	2546.7	2566.6	2642.0	2705.6	2727.8	2653.9	2606.3	2420.4	2072.5	1578.4
20°	2638.1	2636.5	2648.4	2719.9	2797.7	2877.2	2854.9	2814.4	2646.0	2278.2	1730.1
22.5°	2908.9	2885.9	2860.5	2871.6	2899.4	2992.3	3033.7	3013.0	2878.8	2489.5	1886.6
25°	3325.2	3301.4	3219.5	3140.1	3087.7	3129.8	3186.2	3196.5	3109.9	2706.4	2050.2
27.5°	3766.8	3745.4	3653.3	3534.1	3384.0	3310.9	3353.0	3373.6	3337.1	2964.5	2224.2
30°	4180.7	4152.1	4051.2	3903.5	3729.5	3617.5	3569.8	3584.1	3605.6	3270.4	2428.4
32.5°	4539.8	4518.3	4397.6	4241.9	4074.3	3957.5	3846.3	3870.1	3922.5	3644.5	2689.7
35°	4844.0	4832.9	4705.0	4550.1	4372.9	4313.4	4218.0	4222.8	4275.2	4096.5	3008.2
37.5°	5108.5	5089.5	4973.5	4829.7	4689.1	4679.6	4653.3	4655.7	4682.7	4623.2	3374.4
40°	5275.3	5257.9	5175.2	5086.3	4986.2	4987.8	5123.6	5133.9	5103.0	5140.3	3761.3
42.5°	5338.1	5325.4	5280.9	5281.7	5271.4	5318.2	5573.2	5592.3	5481.1	5546.2	4091.7
45°	5229.3	5223.7	5226.9	5341.3	5465.2	5609.8	5941.0	5974.4	5817.1	5815.5	4349.9
47.5°	4878.2	4867.0	4960.0	5154.6	5441.4	5722.6	6163.4	6215.1	6052.2	5969.6	4512.0
50°	4190.2	4222.0	4369.0	4661.3	5097.4	5567.7	6161.0	6250.8	6061.0	5956.1	4484.9
52.5°	3035.2	3028.9	3350.6	3752.5	4283.2	5072.0	5833.8	5964.8	5848.9	5823.4	4424.6
55°	1651.5	1709.5	1926.3	2458.5	3121.0	4133.8	5086.3	5372.2	5506.5	5775.0	4533.4
57.5°	606.9	632.3	768.1	1144.7	1652.3	2570.5	3885.2	4316.5	4731.2	5639.9	4515.1
60°	244.7	249.4	303.4	421.0	694.3	1308.3	2330.6	2713.5	3104.4	4317.3	3465.0
62.5°	177.9	184.3	205.7	246.3	351.1	571.9	1004.9	1168.5	1277.3	2138.4	1707.1
65°	143.8	148.5	166.0	184.3	232.0	307.4	324.1	312.2	310.6	552.9	391.6
67.5°	119.2	123.9	136.6	149.3	166.8	153.3	111.2	116.8	95.3	94.5	77.1
70°	87.4	92.9	105.6	119.2	100.1	41.3	64.3	95.3	72.3	60.4	58.8
72.5°	65.9	69.9	81.8	77.8	29.4	15.9	42.9	69.1	55.6	44.5	43.7
75°	49.3	51.6	41.3	12.7	3.2	4.0	15.9	28.6	31.0	25.4	25.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	3.2	4.0	4.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	887.3	887.3	887.3	887.3	887.3	887.3	887.3	887.3	887.3	887.3	887.3
2.5°	905.6	872.2	824.5	784.8	754.6	725.2	703.0	680.8	680.0	668.8	666.5
5°	943.7	883.3	795.9	733.2	695.1	672.0	656.1	648.2	644.2	640.3	638.7
7.5°	998.5	911.9	791.2	724.5	692.7	677.6	666.5	661.7	659.3	656.1	655.3
10°	1066.0	953.2	808.7	741.1	713.3	699.0	687.1	680.0	676.0	670.4	668.8
12.5°	1147.1	1004.1	836.5	768.9	739.5	720.5	704.6	694.3	688.7	681.6	680.0
15°	1234.4	1058.9	867.4	794.4	759.4	734.8	714.9	699.0	688.7	680.0	677.6
17.5°	1325.0	1114.5	895.2	811.8	768.9	739.5	711.0	689.5	676.8	665.7	662.5
20°	1426.7	1171.7	913.5	815.0	765.8	726.8	693.5	666.5	653.8	638.7	635.5
22.5°	1533.1	1224.9	921.5	807.9	748.3	703.0	667.3	639.5	621.2	605.3	600.5
25°	1636.4	1272.6	917.5	788.0	722.1	669.6	633.1	604.5	584.6	568.8	564.8
27.5°	1746.0	1312.3	903.2	758.6	686.3	633.1	598.2	573.5	555.3	537.8	533.8
30°	1869.1	1348.8	880.1	722.9	644.2	595.8	568.8	552.1	532.2	513.9	508.4
32.5°	2017.7	1381.4	846.8	680.0	606.9	563.2	548.1	535.4	512.4	493.3	489.3
35°	2187.7	1408.4	804.7	635.5	570.3	542.5	539.4	522.7	492.5	470.3	465.5
37.5°	2384.7	1434.6	754.6	591.8	543.3	533.0	533.8	505.2	468.7	441.7	438.5
40°	2596.8	1460.8	699.0	553.7	518.7	527.5	520.3	479.8	420.2	394.0	390.8
42.5°	2817.6	1489.4	642.6	517.9	498.1	506.0	495.7	429.0	386.1	372.6	371.0
45°	3017.0	1523.6	581.5	482.2	477.4	475.0	457.6	388.4	370.2	360.6	359.8
47.5°	3160.7	1518.0	516.3	448.0	455.2	447.2	394.0	369.4	354.3	341.6	338.4
50°	3134.5	1421.1	448.8	409.9	426.6	419.4	354.3	347.1	333.6	320.1	315.4
52.5°	3067.8	1289.2	390.0	369.4	395.6	378.9	327.3	320.1	308.2	290.7	285.2
55°	3103.6	1165.3	344.0	336.8	363.8	313.8	297.1	286.0	273.3	254.2	251.8
57.5°	2988.4	950.8	276.4	281.2	321.7	267.7	260.5	243.1	221.6	208.9	207.3
60°	2068.5	510.8	173.2	178.7	232.7	224.8	233.5	217.7	191.4	179.5	177.1
62.5°	950.1	204.9	94.5	90.6	122.3	152.5	200.2	198.6	166.0	147.0	145.4
65°	230.4	93.7	67.5	63.5	69.1	91.4	130.3	156.5	134.2	112.0	109.6
67.5°	74.7	76.3	62.0	58.0	61.2	68.3	77.8	86.6	85.8	78.6	77.1
70°	59.6	69.1	57.2	52.4	52.4	54.8	52.4	42.1	36.5	39.7	41.3
72.5°	44.5	52.4	45.3	40.5	38.9	38.1	32.6	23.8	16.7	15.1	14.3
75°	26.2	29.4	27.8	23.8	22.2	19.9	15.9	10.3	5.6	4.0	2.4
77.5°	4.8	5.6	6.4	4.8	4.0	3.2	2.4	0.8	0.0	0.0	0.0
80°	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)