

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: P632304

Luminaire Tested: GWS-SA2C-740-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-740-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7761.4 lumens
Efficiency: N/A
Efficacy: 122.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

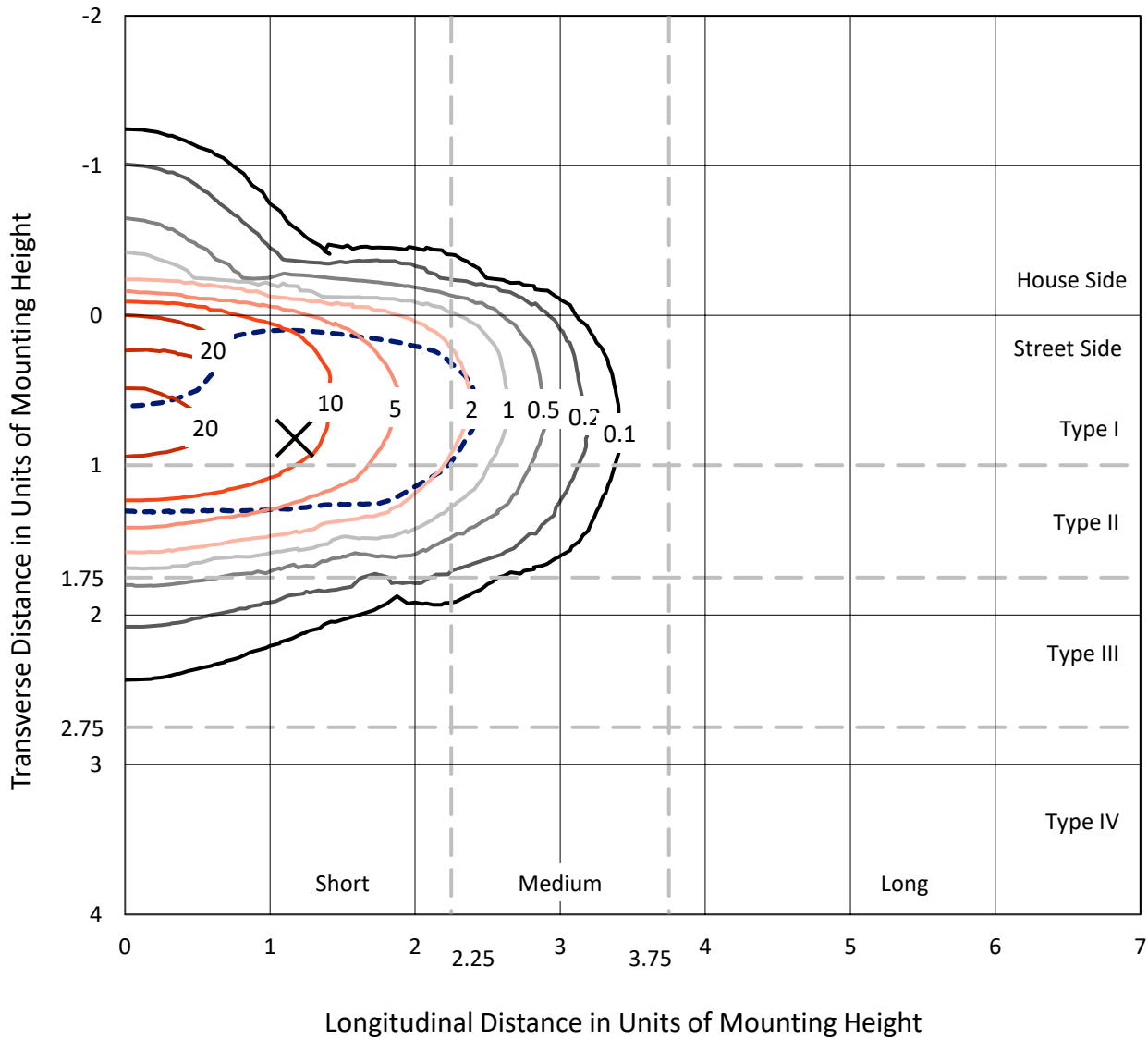
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

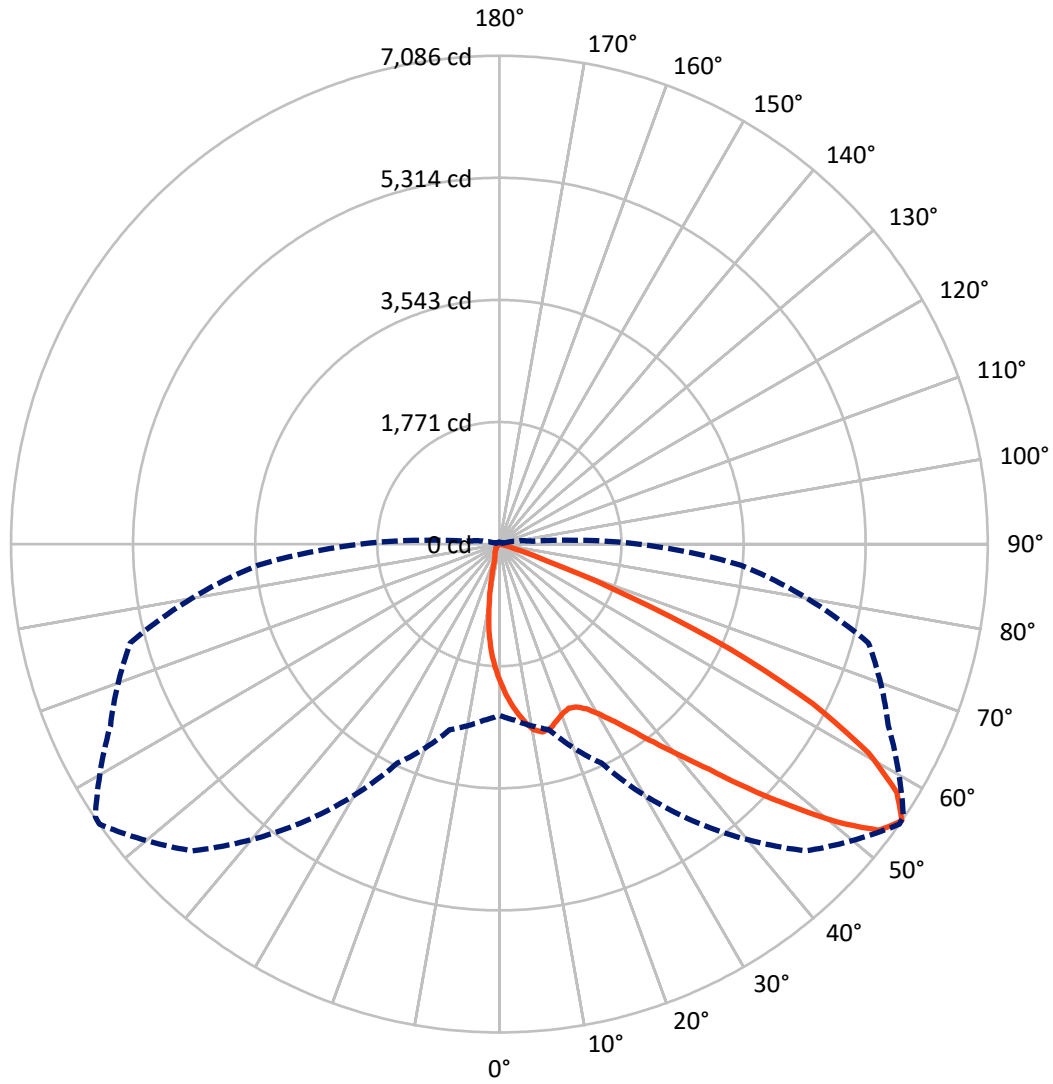
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 26.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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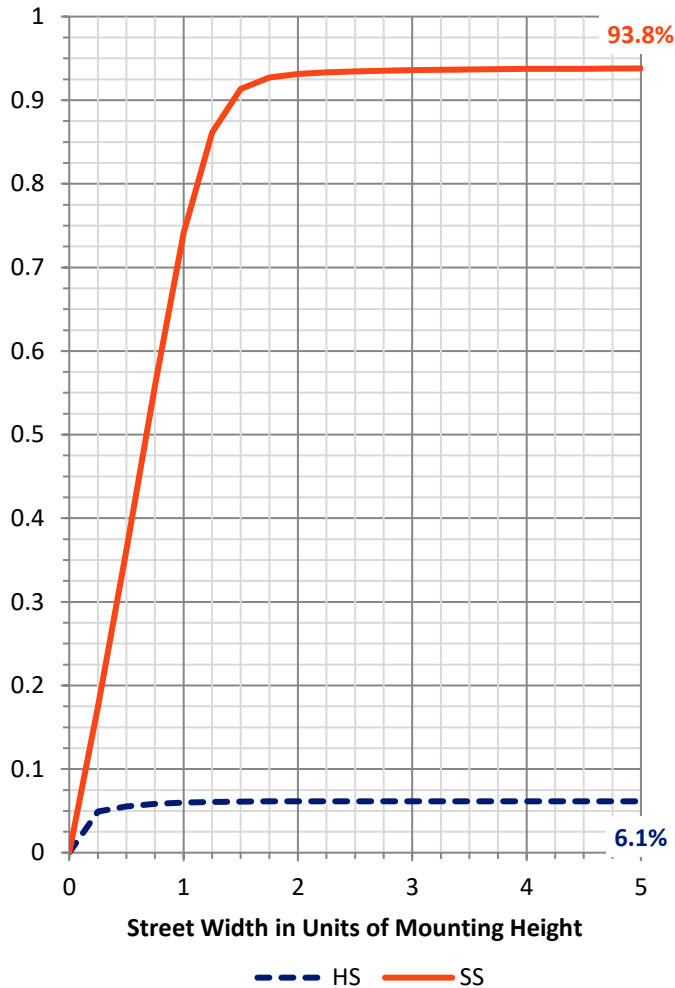
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	478.9	0.0	478.9
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	7282.5	0.0	7282.5
	% Fixture	93.8	0.0	93.8
Total	Lumens	7761.4	0.0	7761.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.2	2.3
10°-20°	427.2	5.5
20°-30°	711.5	9.2
30°-40°	1212.4	15.6
40°-50°	1979.1	25.5
50°-60°	2072.0	26.7
60°-70°	1045.1	13.5
70°-80°	132.0	1.7
80°-90°	5.0	0.1
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°	7761.4	100.0
0°-180°	7761.4	100.0

Coefficient of Utilization



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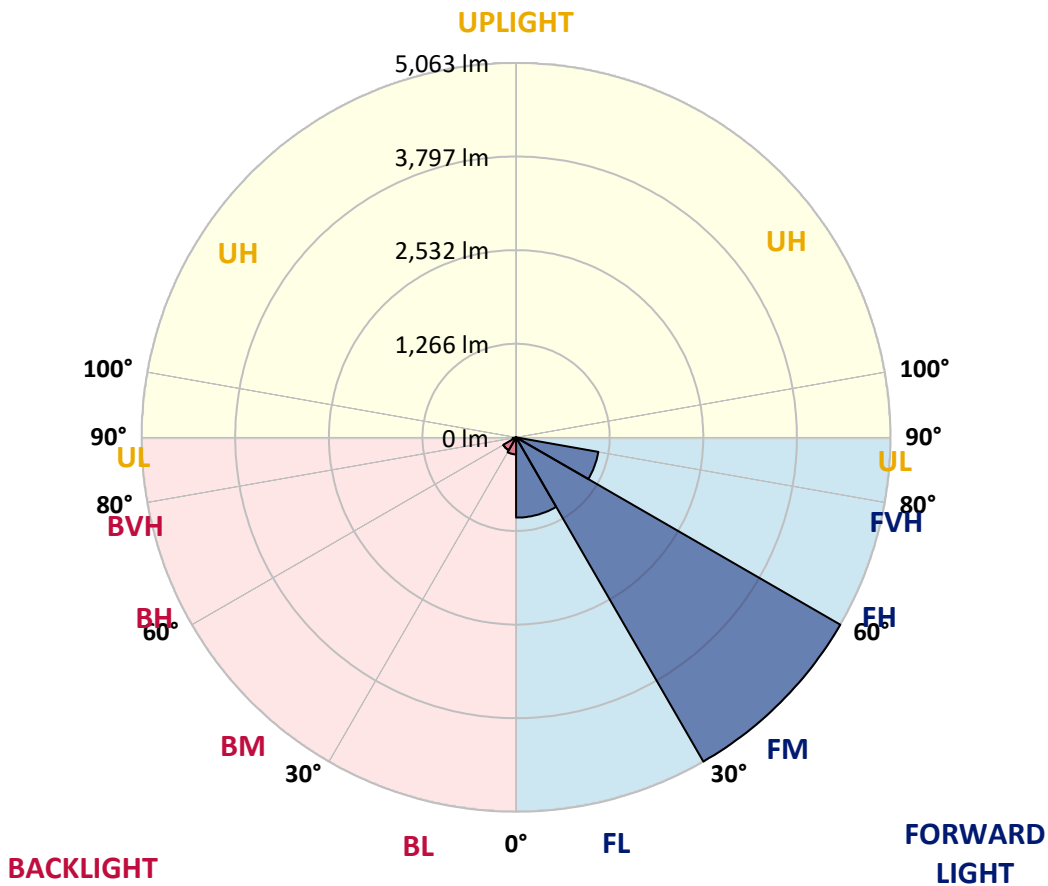
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1085.7	14.0			
FM (30°-60°)	5063.2	65.2			
FH (60°-80°)	1129.0	14.5			G1/1800
FVH (80°-90°)	4.6	0.1			G0/10
BL (0°-30°)	230.2	3.0	B1/500		
BM (30°-60°)	200.2	2.6	B0/220		
BH (60°-80°)	48.0	0.6	B0/110		G0/110
BVH (80°-90°)	0.5	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2005.1	2005.1	2005.1	2005.1	2005.1	2005.1	2005.1	2005.1	2005.1	2005.1	2005.1
2.5°	2337.5	2326.2	2343.5	2323.6	2289.7	2261.2	2224.0	2210.8	2151.1	2094.7	2040.3
5°	2621.5	2624.8	2619.5	2591.6	2543.9	2490.8	2415.8	2399.2	2295.0	2187.6	2071.4
7.5°	2691.8	2689.8	2701.1	2711.7	2703.8	2677.2	2595.6	2579.0	2449.6	2288.4	2119.2
10°	2474.8	2476.2	2499.4	2571.1	2660.0	2752.2	2739.6	2730.3	2603.6	2402.5	2172.3
12.5°	2168.3	2180.3	2204.8	2307.0	2457.6	2667.3	2797.3	2806.6	2744.9	2527.9	2234.7
15°	2035.6	2038.3	2058.2	2119.9	2232.0	2490.8	2772.8	2798.6	2863.0	2654.0	2302.3
17.5°	2032.3	2035.6	2044.2	2071.4	2144.4	2352.1	2693.8	2738.9	2951.9	2789.3	2383.3
20°	2157.0	2155.0	2149.1	2134.5	2166.3	2306.3	2620.8	2670.6	3000.3	2921.4	2464.9
22.5°	2383.3	2380.6	2354.1	2293.7	2267.8	2348.1	2585.0	2630.1	3029.5	3038.8	2531.9
25°	2644.0	2662.6	2612.9	2521.3	2457.6	2454.9	2616.8	2648.7	3054.7	3143.0	2577.7
27.5°	2930.0	2936.0	2893.5	2790.7	2698.4	2626.1	2709.1	2732.9	3082.6	3235.9	2603.6
30°	3243.8	3241.9	3193.4	3074.0	2961.9	2857.7	2864.3	2873.6	3147.6	3342.0	2632.1
32.5°	3636.0	3644.6	3558.3	3395.8	3261.1	3117.1	3067.4	3068.7	3265.1	3478.7	2675.2
35°	4168.8	4147.5	4033.4	3801.8	3572.3	3417.0	3332.1	3324.8	3446.2	3662.5	2750.2
37.5°	4676.3	4678.3	4558.9	4304.1	4014.2	3769.3	3649.2	3629.3	3701.0	3917.3	2874.9
40°	5028.7	5035.3	4985.5	4852.2	4545.0	4198.6	4022.1	4001.6	4031.4	4239.8	3038.2
42.5°	5215.1	5233.7	5247.6	5278.8	5045.9	4734.7	4463.4	4461.4	4430.2	4607.3	3227.3
45°	5222.4	5250.3	5335.2	5548.2	5574.7	5346.5	5051.2	5006.8	4886.7	5000.8	3396.4
47.5°	4933.8	4998.1	5178.6	5600.6	5879.3	5954.9	5662.3	5635.1	5298.0	5312.0	3523.2
50°	4261.0	4328.0	4660.4	5331.9	5956.2	6437.9	6333.1	6276.7	5641.7	5517.6	3584.2
52.5°	3570.9	3632.0	3857.6	4692.3	5637.1	6589.9	6898.4	6831.4	5950.3	5589.3	3559.0
55°	2484.8	2566.4	2786.7	3507.3	4901.9	6293.9	7085.5	7071.6	6225.6	5544.2	3519.9
57.5°	1218.2	1299.1	1518.7	2162.3	3631.3	5495.1	6799.5	6873.2	6390.1	5495.8	3488.0
60°	508.9	542.1	617.7	948.8	2031.6	4152.8	6153.9	6256.1	6289.3	5430.1	3484.7
62.5°	295.3	300.6	308.5	393.5	790.2	2380.6	5105.0	5250.3	5759.2	5343.1	3432.3
65°	222.9	224.9	221.6	241.5	326.4	903.0	3688.4	3886.1	4807.0	5003.4	3225.3
67.5°	183.1	183.1	174.5	178.5	205.0	338.4	2036.3	2312.3	3557.0	4112.4	2663.3
70°	146.0	149.3	145.3	140.0	146.6	187.1	724.5	898.4	2071.4	2428.4	1553.2
72.5°	110.8	110.8	117.4	113.5	108.8	117.4	252.8	284.0	831.4	1012.5	560.7
75°	85.6	88.2	92.9	88.9	82.3	69.7	121.4	128.7	250.8	235.5	125.4
77.5°	43.8	44.5	59.1	65.0	61.0	42.5	53.1	58.4	81.6	73.0	46.4
80°	26.5	27.9	33.2	51.1	40.5	22.6	21.9	23.2	38.5	33.2	19.2
82.5°	11.3	11.9	18.6	18.6	16.6	8.6	8.6	8.6	18.6	17.3	8.0
85°	0.0	0.0	3.3	2.7	2.7	3.3	3.3	3.3	4.6	6.6	4.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	2.0
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°	2005.1	2005.1	2005.1	2005.1	2005.1	2005.1	2005.1	2005.1	2005.1	2005.1	2005.1
2.5°	2005.1	1962.6	1905.6	1853.8	1784.1	1745.0	1690.6	1646.1	1608.3	1596.4	1591.1
5°	2005.8	1932.8	1810.7	1688.6	1538.7	1420.5	1299.1	1202.9	1124.0	1098.8	1092.1
7.5°	2019.0	1911.5	1713.8	1492.2	1241.4	1034.4	849.3	683.4	606.4	580.6	575.3
10°	2036.9	1893.6	1601.7	1256.7	896.4	630.3	446.5	340.4	289.9	262.1	266.1
12.5°	2060.2	1879.0	1477.6	1001.9	593.2	346.3	245.5	205.7	195.1	189.8	187.1
15°	2091.3	1861.8	1323.7	749.1	363.6	222.9	189.1	178.5	174.5	171.8	171.2
17.5°	2123.2	1841.9	1167.1	526.8	241.5	185.1	169.9	164.5	161.9	159.9	159.2
20°	2157.0	1808.0	983.3	362.9	190.4	166.5	156.6	150.6	147.3	144.0	143.3
22.5°	2171.6	1753.6	807.5	254.1	169.2	153.3	140.7	133.4	129.4	126.7	126.7
25°	2157.7	1665.4	625.7	193.1	153.9	138.7	126.1	118.1	114.8	112.1	112.1
27.5°	2120.5	1551.9	456.5	159.9	137.3	123.4	111.5	104.2	101.5	100.2	100.2
30°	2079.4	1408.6	321.8	137.3	118.8	107.5	97.5	92.9	92.2	90.9	90.9
32.5°	2044.2	1274.6	221.6	120.8	104.8	93.6	86.9	84.9	85.6	84.3	84.9
35°	2025.0	1143.2	164.5	107.5	93.6	82.9	79.6	79.6	79.6	79.0	79.0
37.5°	2033.0	1013.8	134.0	98.2	83.6	75.6	72.3	73.6	75.0	75.0	75.0
40°	2072.8	899.0	118.8	89.6	75.0	69.0	66.3	68.3	70.3	71.7	71.7
42.5°	2123.2	806.2	107.5	82.3	69.0	62.4	61.0	63.0	65.0	66.3	66.3
45°	2155.0	712.6	96.2	73.0	63.0	55.1	55.1	57.7	57.1	57.7	57.7
47.5°	2169.6	638.3	84.9	63.0	53.7	47.8	48.4	49.8	48.4	49.8	49.8
50°	2133.8	563.3	75.0	52.4	44.5	41.8	43.1	42.5	42.5	45.1	45.1
52.5°	2068.1	507.6	66.3	44.5	37.8	37.2	38.5	35.8	36.5	36.5	35.8
55°	2019.7	475.7	59.1	38.5	32.5	33.2	32.5	27.9	25.2	22.6	21.9
57.5°	1995.8	463.1	53.7	34.5	29.2	29.2	26.5	19.2	14.6	11.3	10.0
60°	1990.5	447.9	48.4	29.9	25.9	24.5	19.2	11.3	7.3	5.3	4.6
62.5°	1940.1	410.7	43.8	23.9	22.6	19.9	11.9	6.6	4.0	2.7	2.0
65°	1774.9	337.7	39.1	18.6	17.3	14.6	7.3	4.0	2.0	0.7	0.0
67.5°	1411.9	239.5	34.5	13.9	11.9	9.3	4.6	2.7	0.7	0.0	0.0
70°	814.1	129.4	28.5	10.0	8.0	6.0	3.3	1.3	0.0	0.0	0.0
72.5°	272.0	60.4	21.9	6.6	6.0	4.6	2.0	0.7	0.0	0.0	0.0
75°	59.7	35.8	14.6	4.6	4.0	3.3	1.3	0.0	0.0	0.0	0.0
77.5°	22.6	25.2	7.3	3.3	2.7	2.0	0.7	0.0	0.0	0.0	0.0
80°	8.6	16.6	3.3	2.0	2.0	0.7	0.0	0.0	0.0	0.0	0.0
82.5°	4.6	6.6	2.0	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.7	3.3	1.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	0.7	0.7	0.7	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)