

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: P642837

Luminaire Tested: GWS-SA6D-760-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642837
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-SA6D-760-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24226.6 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

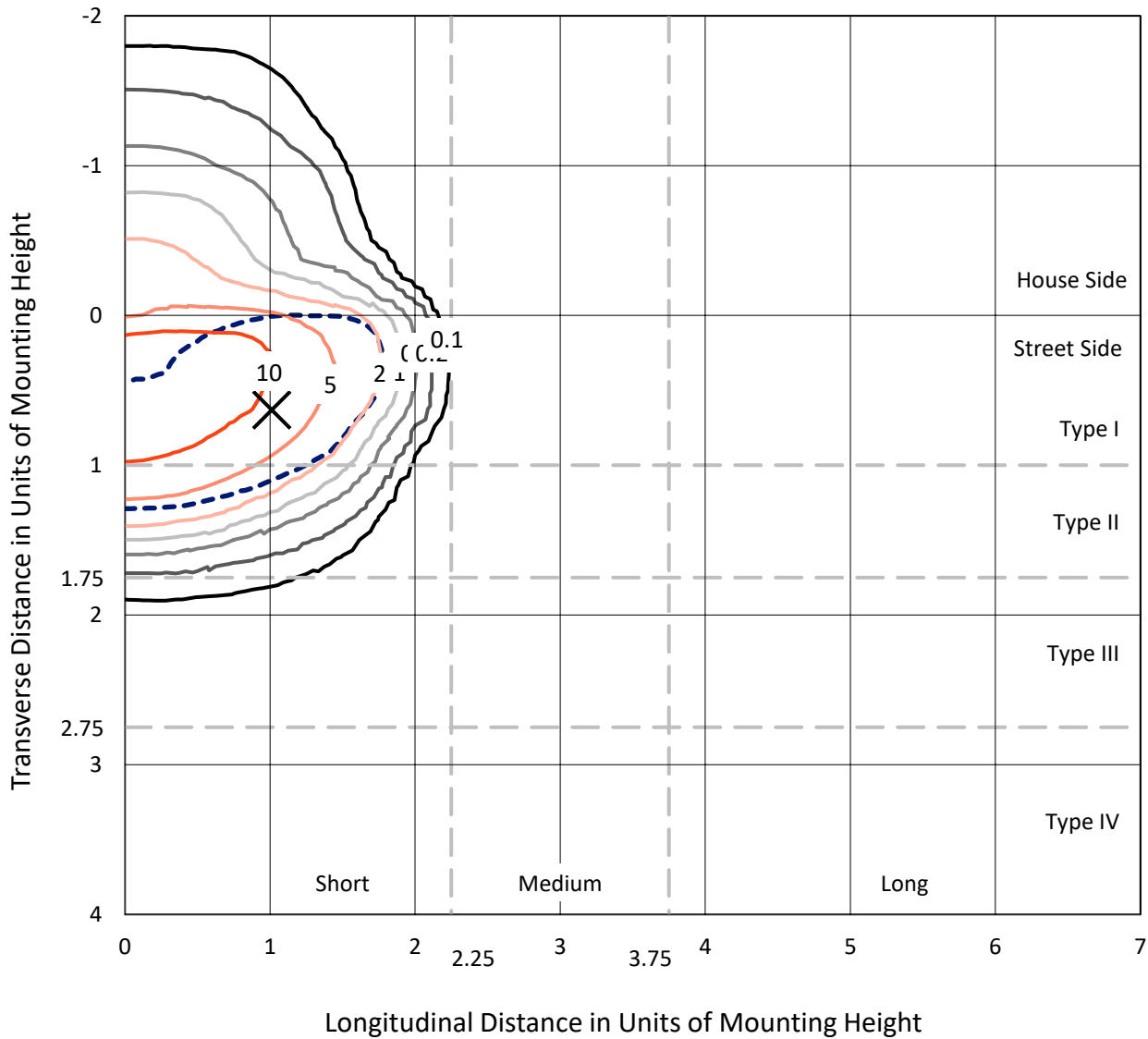
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

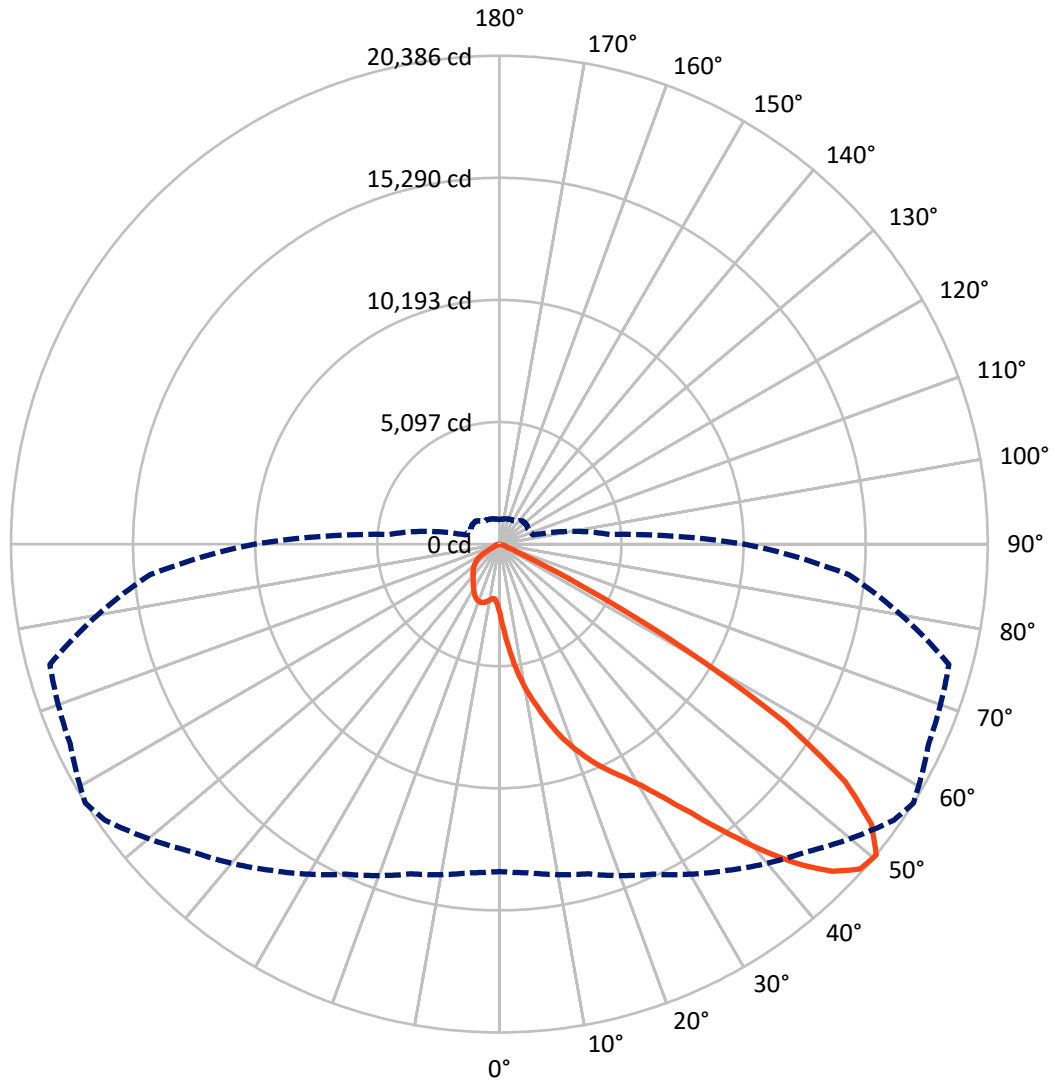
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 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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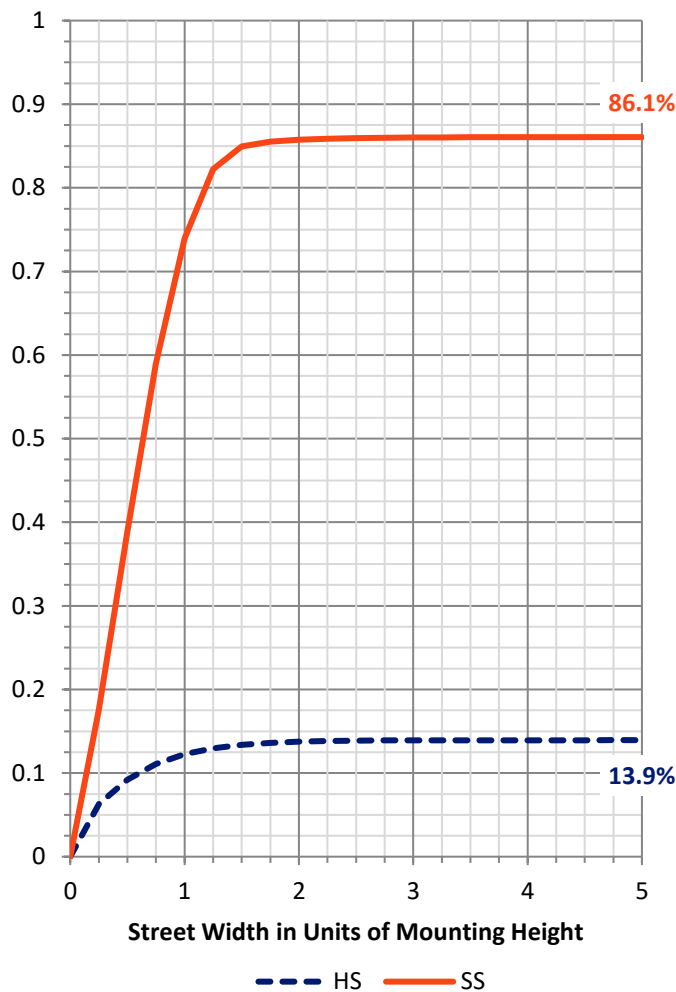
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3393.3	0.0	3393.3
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	20833.3	0.0	20833.3
	% Fixture	86.0	0.0	86.0
Total	Lumens	24226.6	0.0	24226.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.5	1.5
10°-20°	1419.2	5.9
20°-30°	2871.8	11.9
30°-40°	5080.5	21.0
40°-50°	7406.3	30.6
50°-60°	5936.4	24.5
60°-70°	1069.5	4.4
70°-80°	84.3	0.3
80°-90°	0.1	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°	24226.6	100.0
0°-180°	24226.6	100.0

Coefficient of Utilization



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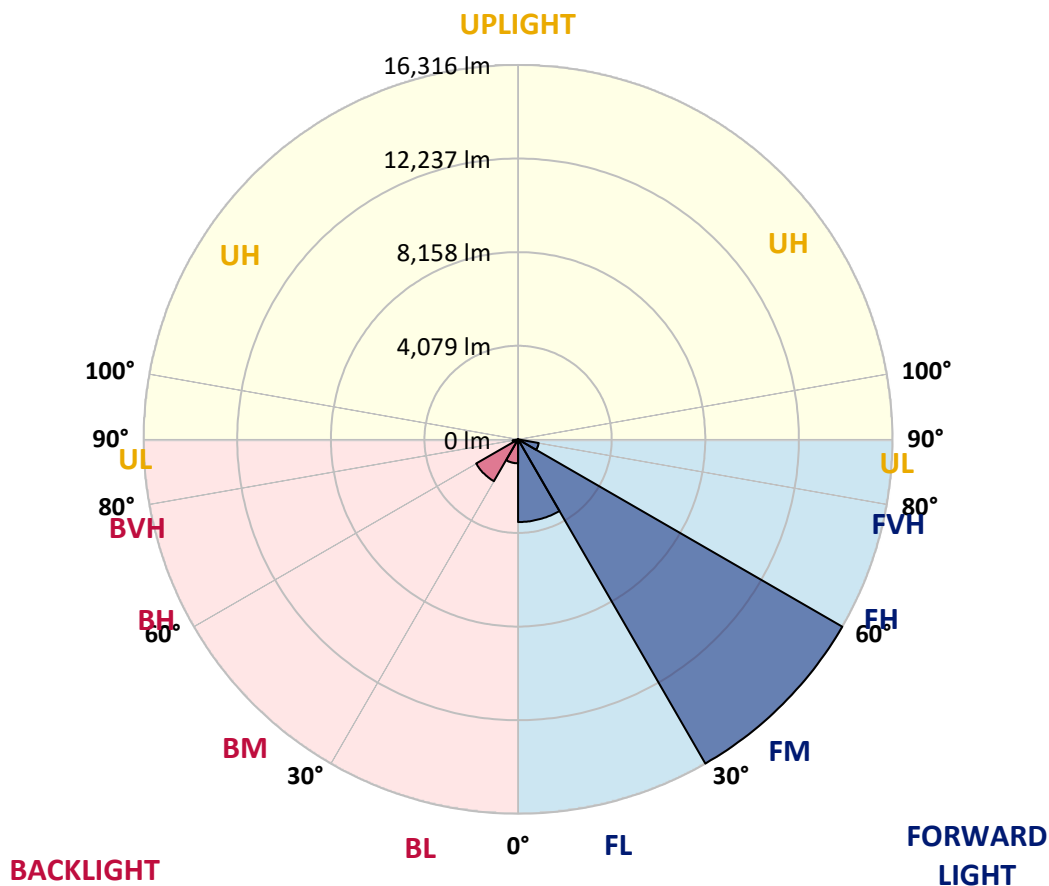
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3604.8	14.9			
FM (30°-60°)	16315.9	67.3			
FH (60°-80°)	912.6	3.8			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1044.7	4.3	B3/2500		
BM (30°-60°)	2107.4	8.7	B2/2500		
BH (60°-80°)	241.2	1.0	B1/500		G1/500
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8
2.5°	4282.4	4215.1	4176.2	4145.1	4007.8	3790.2	3647.7	3572.6	3448.2	3238.4	3057.0
5°	5588.2	5538.9	5448.3	5386.1	5209.9	4901.6	4583.0	4456.0	4173.6	3699.5	3274.7
7.5°	6453.5	6417.2	6383.5	6300.6	6134.8	5855.0	5502.7	5370.5	4935.3	4261.7	3564.8
10°	7119.3	7090.8	7051.9	7049.3	6919.8	6668.5	6323.9	6186.6	5715.1	4873.1	3906.8
12.5°	7704.8	7681.5	7673.7	7746.2	7663.3	7476.8	7103.7	6932.7	6432.7	5497.5	4285.0
15°	8106.3	8101.2	8134.8	8277.3	8324.0	8238.5	7925.0	7741.0	7165.9	6124.4	4702.1
17.5°	8290.3	8305.8	8370.6	8616.7	8824.0	8896.5	8655.6	8500.1	7893.9	6759.2	5147.7
20°	8603.8	8598.6	8637.4	8870.6	9124.5	9383.6	9311.0	9178.9	8629.7	7430.2	5642.6
22.5°	9487.2	9412.1	9329.2	9365.4	9456.1	9759.2	9893.9	9826.6	9388.7	8119.3	6152.9
25°	10844.7	10767.0	10500.2	10241.1	10070.1	10207.4	10391.3	10425.0	10142.6	8826.6	6686.6
27.5°	12285.2	12215.2	11914.7	11526.1	11036.4	10798.1	10935.4	11002.8	10883.6	9668.5	7254.0
30°	13634.9	13541.7	13212.6	12730.8	12163.4	11798.1	11642.7	11689.3	11759.2	10666.0	7919.8
32.5°	14805.9	14736.0	14342.2	13834.4	13287.8	12906.9	12544.2	12622.0	12792.9	11886.2	8772.2
35°	15798.2	15761.9	15344.8	14839.6	14261.9	14067.6	13756.7	13772.2	13943.2	13360.3	9811.0
37.5°	16660.9	16598.7	16220.5	15751.5	15293.0	15261.9	15176.4	15184.2	15272.2	15077.9	11005.3
40°	17204.9	17147.9	16878.5	16588.3	16261.9	16267.1	16710.1	16743.8	16642.7	16764.5	12267.0
42.5°	17409.6	17368.1	17223.1	17225.6	17192.0	17344.8	18176.4	18238.6	17875.9	18088.4	13344.8
45°	17054.7	17036.5	17046.9	17420.0	17824.1	18295.6	19375.9	19484.7	18971.8	18966.6	14186.7
47.5°	15909.6	15873.3	16176.4	16811.1	17746.4	18663.5	20101.3	20269.7	19738.6	19469.2	14715.2
50°	13666.0	13769.6	14248.9	15202.3	16624.6	18158.3	20093.6	20386.3	19767.1	19425.2	14627.2
52.5°	9899.1	9878.4	10927.6	12238.5	13969.1	16541.7	19026.2	19453.7	19075.4	18992.5	14430.3
55°	5386.1	5575.2	6282.5	8018.3	10178.9	13482.1	16588.3	17521.0	17958.8	18834.5	14785.2
57.5°	1979.3	2062.2	2505.2	3733.2	5388.7	8383.5	12671.2	14077.9	15430.3	18394.1	14725.6
60°	797.9	813.5	989.7	1373.1	2264.3	4266.9	7601.2	8849.9	10124.5	14080.5	11300.7
62.5°	580.3	601.0	671.0	803.1	1145.1	1865.3	3277.3	3810.9	4165.9	6974.2	5567.4
65°	468.9	484.5	541.5	601.0	756.5	1002.6	1057.0	1018.1	1013.0	1803.1	1277.2
67.5°	388.6	404.2	445.6	487.1	544.0	500.0	362.7	380.8	310.9	308.3	251.3
70°	285.0	303.1	344.6	388.6	326.4	134.7	209.8	310.9	235.8	196.9	191.7
72.5°	215.0	228.0	266.8	253.9	95.9	51.8	139.9	225.4	181.3	145.1	142.5
75°	160.6	168.4	134.7	41.5	10.4	13.0	51.8	93.3	101.0	82.9	82.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	7.8	10.4	13.0	15.5
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°	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8	2893.8
2.5°	2953.4	2844.6	2689.2	2559.6	2461.2	2365.3	2292.8	2220.2	2217.6	2181.4	2173.6
5°	3077.8	2880.9	2595.9	2391.2	2266.9	2191.7	2139.9	2114.0	2101.1	2088.1	2082.9
7.5°	3256.5	2974.1	2580.3	2362.7	2259.1	2209.9	2173.6	2158.1	2150.3	2139.9	2137.3
10°	3476.7	3108.9	2637.3	2417.1	2326.5	2279.8	2241.0	2217.6	2204.7	2186.6	2181.4
12.5°	3741.0	3274.7	2728.0	2507.8	2412.0	2349.8	2298.0	2264.3	2246.1	2222.8	2217.6
15°	4026.0	3453.4	2829.1	2590.7	2476.7	2396.4	2331.6	2279.8	2246.1	2217.6	2209.9
17.5°	4321.3	3634.8	2919.7	2647.7	2507.8	2412.0	2318.7	2248.7	2207.3	2171.0	2160.7
20°	4652.9	3821.3	2979.3	2658.1	2497.4	2370.5	2261.7	2173.6	2132.2	2082.9	2072.6
22.5°	5000.1	3994.9	3005.2	2634.8	2440.5	2292.8	2176.2	2085.5	2025.9	1974.1	1958.6
25°	5336.9	4150.3	2992.3	2570.0	2355.0	2184.0	2064.8	1971.5	1906.8	1855.0	1842.0
27.5°	5694.4	4279.9	2945.6	2474.1	2238.4	2064.8	1950.8	1870.5	1810.9	1753.9	1741.0
30°	6095.9	4399.0	2870.5	2357.5	2101.1	1943.0	1855.0	1800.5	1735.8	1676.2	1658.1
32.5°	6580.4	4505.2	2761.7	2217.6	1979.3	1836.8	1787.6	1746.1	1671.0	1608.8	1595.9
35°	7134.8	4593.3	2624.4	2072.6	1860.1	1769.5	1759.1	1704.7	1606.2	1533.7	1518.2
37.5°	7777.3	4678.8	2461.2	1930.1	1772.0	1738.4	1741.0	1647.7	1528.5	1440.4	1430.1
40°	8469.0	4764.3	2279.8	1805.7	1691.7	1720.2	1696.9	1564.8	1370.5	1285.0	1274.6
42.5°	9189.3	4857.6	2095.9	1689.1	1624.4	1650.3	1616.6	1399.0	1259.1	1215.0	1209.9
45°	9839.5	4969.0	1896.4	1572.6	1557.0	1549.2	1492.3	1266.9	1207.3	1176.2	1173.6
47.5°	10308.4	4950.9	1684.0	1461.2	1484.5	1458.6	1285.0	1204.7	1155.5	1114.0	1103.6
50°	10223.0	4634.8	1463.8	1336.8	1391.2	1367.9	1155.5	1132.1	1088.1	1044.1	1028.5
52.5°	10005.3	4204.7	1272.0	1204.7	1290.2	1235.8	1067.4	1044.1	1005.2	948.2	930.1
55°	10121.9	3800.6	1121.8	1098.5	1186.5	1023.3	968.9	932.7	891.2	829.0	821.3
57.5°	9746.3	3101.1	901.6	917.1	1049.2	873.1	849.8	792.8	722.8	681.4	676.2
60°	6746.2	1665.8	564.8	582.9	759.1	733.2	761.7	709.9	624.4	585.5	577.7
62.5°	3098.5	668.4	308.3	295.3	399.0	497.4	652.9	647.7	541.5	479.3	474.1
65°	751.3	305.7	220.2	207.3	225.4	297.9	424.9	510.4	437.8	365.3	357.5
67.5°	243.5	248.7	202.1	189.1	199.5	222.8	253.9	282.4	279.8	256.5	251.3
70°	194.3	225.4	186.5	171.0	171.0	178.8	171.0	137.3	119.2	129.5	134.7
72.5°	145.1	171.0	147.7	132.1	126.9	124.4	106.2	77.7	54.4	49.2	46.6
75°	85.5	95.9	90.7	77.7	72.5	64.8	51.8	33.7	18.1	13.0	7.8
77.5°	15.5	18.1	20.7	15.5	13.0	10.4	7.8	2.6	0.0	0.0	0.0
80°	0.0	2.6	2.6	2.6	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)