

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: P642782

Luminaire Tested: GWS-SA6D-750-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642782
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24563.2 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

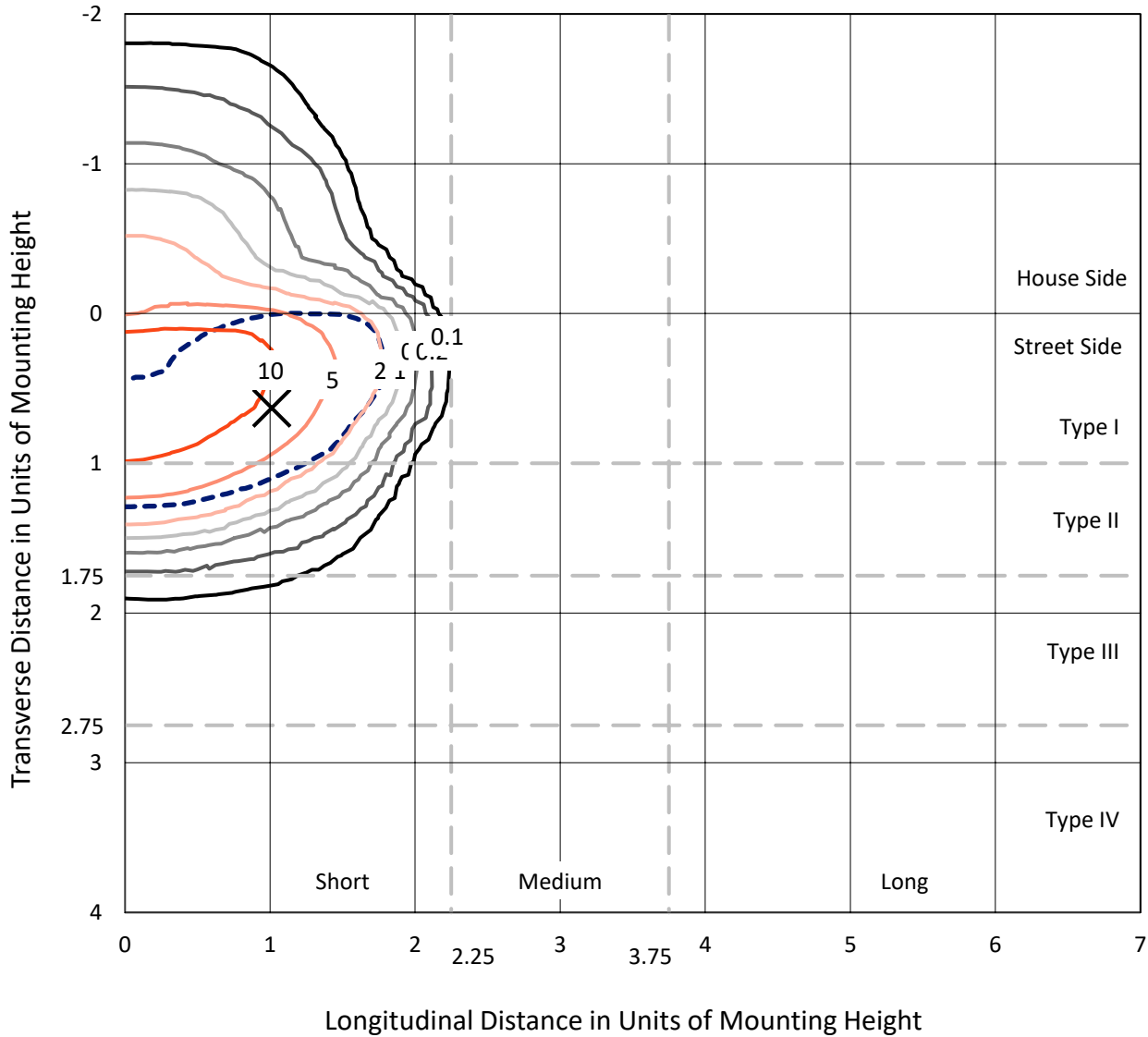
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

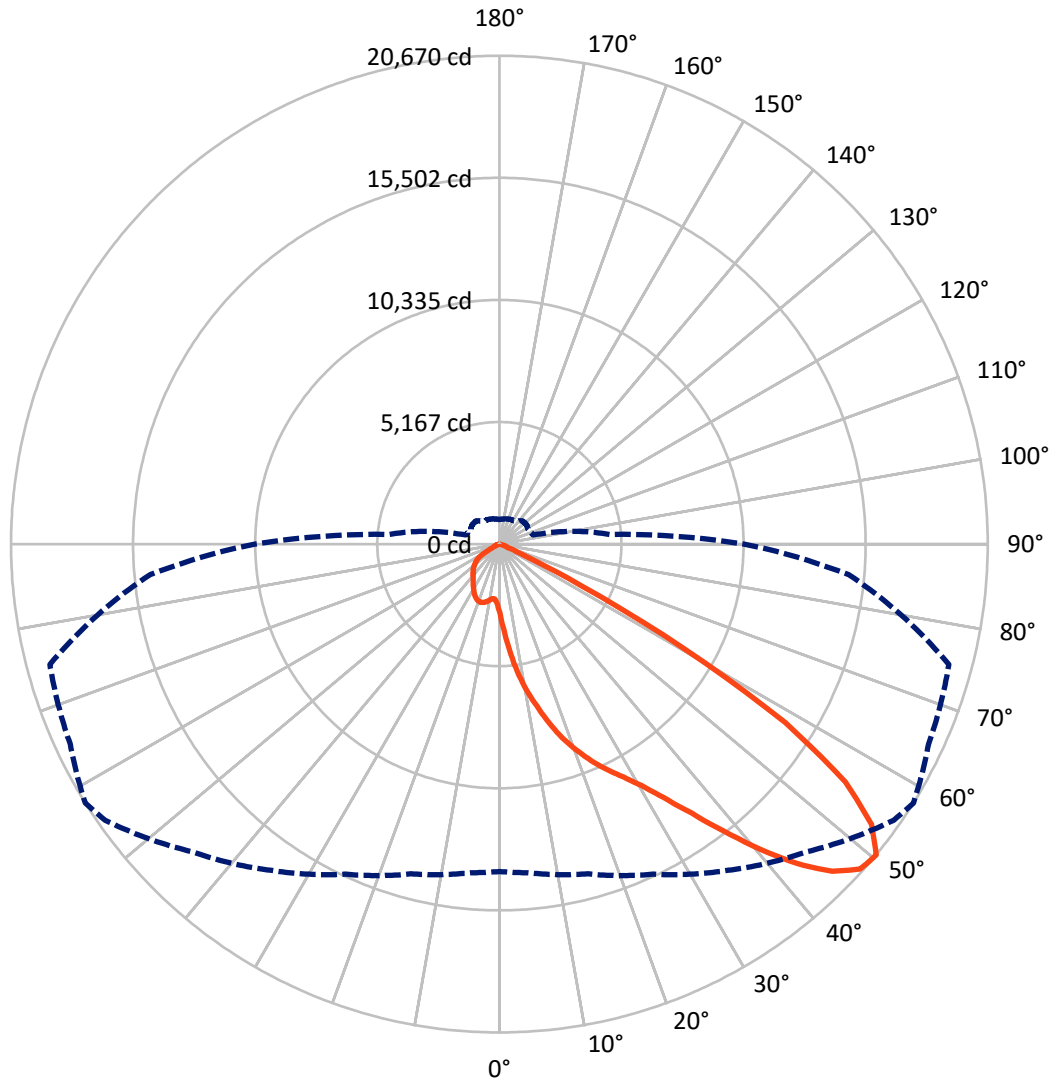
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.4 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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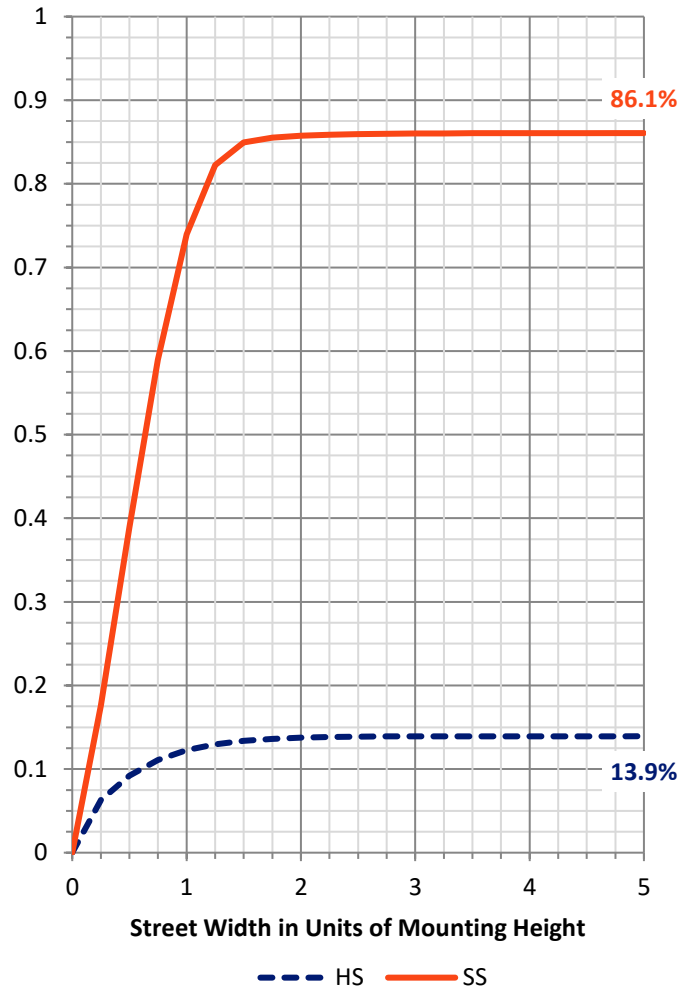
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3440.4	0.0	3440.4
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	21122.8	0.0	21122.8
	% Fixture	86.0	0.0	86.0
Total	Lumens	24563.2	0.0	24563.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.5	1.5
10°-20°	1438.9	5.9
20°-30°	2911.7	11.9
30°-40°	5151.1	21.0
40°-50°	7509.2	30.6
50°-60°	6018.9	24.5
60°-70°	1084.3	4.4
70°-80°	85.5	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°	24563.2	100.0
0°-180°	24563.2	100.0

Coefficient of Utilization



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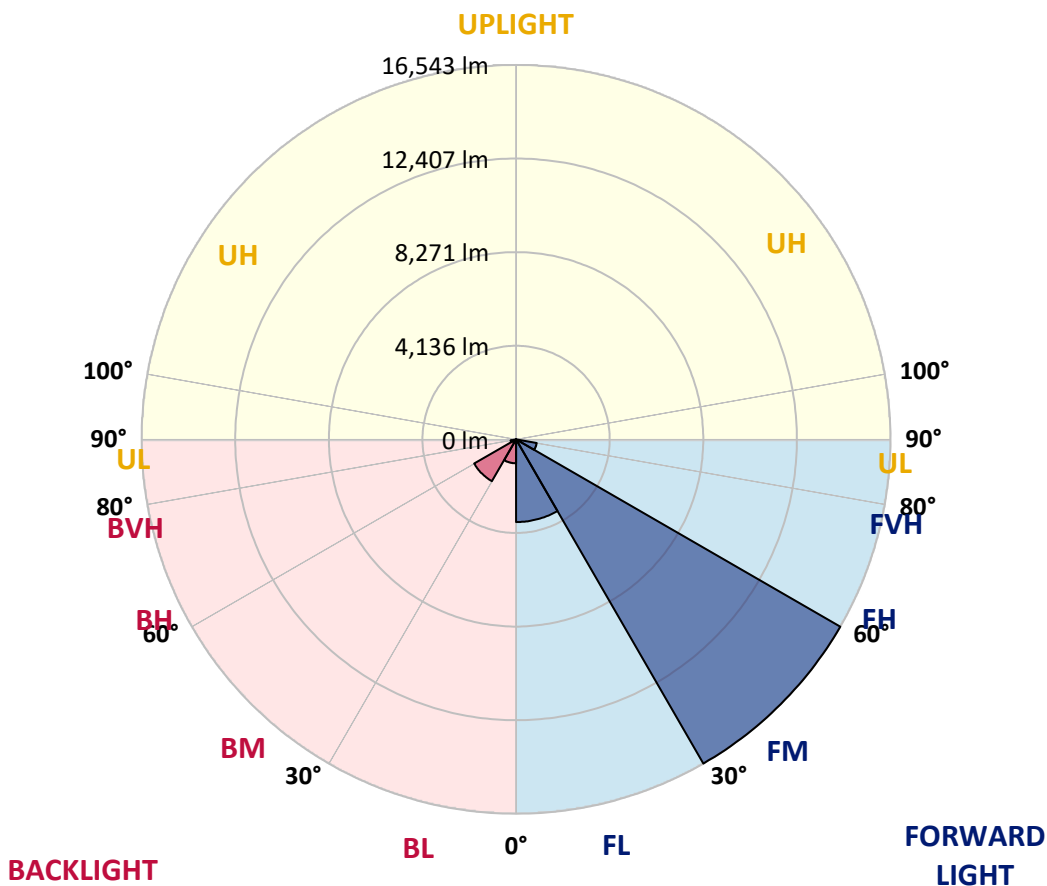
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3654.9	14.9			
FM (30°-60°)	16542.6	67.3			
FH (60°-80°)	925.3	3.8			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1059.2	4.3	B3/2500		
BM (30°-60°)	2136.7	8.7	B2/2500		
BH (60°-80°)	244.5	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°	2934.0	2934.0	2934.0	2934.0	2934.0	2934.0	2934.0	2934.0	2934.0	2934.0	2934.0
2.5°	4341.9	4273.7	4234.3	4202.7	4063.5	3842.9	3698.4	3622.2	3496.1	3283.4	3099.5
5°	5665.8	5615.9	5524.0	5460.9	5282.3	4969.7	4646.6	4517.9	4231.6	3750.9	3320.2
7.5°	6543.1	6506.4	6472.2	6388.2	6220.0	5936.4	5579.1	5445.2	5003.9	4320.9	3614.3
10°	7218.2	7189.3	7149.9	7147.3	7015.9	6761.1	6411.8	6272.6	5794.5	4940.8	3961.1
12.5°	7811.8	7788.2	7780.3	7853.9	7769.8	7580.7	7202.4	7029.1	6522.1	5573.9	4344.6
15°	8219.0	8213.7	8247.9	8392.3	8439.6	8352.9	8035.1	7848.6	7265.5	6209.5	4767.5
17.5°	8405.5	8421.2	8486.9	8736.4	8946.6	9020.1	8775.8	8618.2	8003.6	6853.1	5219.3
20°	8723.3	8718.0	8757.4	8993.8	9251.3	9513.9	9440.4	9306.4	8749.6	7533.4	5721.0
22.5°	9619.0	9542.8	9458.8	9495.5	9587.5	9894.8	10031.4	9963.1	9519.2	8232.1	6238.4
25°	10995.4	10916.6	10646.0	10383.4	10210.0	10349.2	10535.7	10569.9	10283.6	8949.2	6779.5
27.5°	12455.8	12384.9	12080.2	11686.2	11189.8	10948.1	11087.3	11155.6	11034.8	9802.9	7354.8
30°	13824.4	13729.8	13396.2	12907.6	12332.4	11962.0	11804.4	11851.7	11922.6	10814.2	8029.8
32.5°	15011.6	14940.7	14541.5	14026.6	13472.4	13086.3	12718.5	12797.3	12970.7	12051.3	8894.0
35°	16017.7	15980.9	15558.0	15045.8	14460.0	14263.0	13947.8	13963.6	14136.9	13545.9	9947.3
37.5°	16892.4	16829.3	16445.8	15970.4	15505.5	15473.9	15387.3	15395.1	15484.4	15287.4	11158.3
40°	17444.0	17386.2	17113.0	16818.8	16487.8	16493.1	16942.3	16976.4	16874.0	16997.4	12437.5
42.5°	17651.5	17609.4	17462.4	17465.0	17430.8	17585.8	18429.0	18492.0	18124.3	18339.7	13530.2
45°	17291.6	17273.2	17283.7	17662.0	18071.7	18549.8	19645.1	19755.5	19235.4	19230.1	14383.8
47.5°	16130.6	16093.8	16401.2	17044.7	17992.9	18922.8	20380.6	20551.4	20012.9	19739.7	14919.7
50°	13855.9	13960.9	14446.9	15413.5	16855.6	18410.6	20372.7	20669.6	20041.8	19695.1	14830.4
52.5°	10036.6	10015.6	11079.5	12408.6	14163.2	16771.5	19290.5	19723.9	19340.4	19256.4	14630.8
55°	5460.9	5652.7	6369.8	8129.7	10320.3	13669.4	16818.8	17764.4	18208.3	19096.2	14990.6
57.5°	2006.8	2090.9	2540.0	3785.1	5463.6	8500.0	12847.2	14273.5	15644.7	18649.6	14930.2
60°	809.0	824.8	1003.4	1392.2	2295.7	4326.2	7706.8	8972.8	10265.2	14276.2	11457.7
62.5°	588.4	609.4	680.3	814.3	1161.0	1891.2	3322.8	3863.9	4223.7	7071.1	5644.8
65°	475.4	491.2	549.0	609.4	767.0	1016.5	1071.7	1032.3	1027.0	1828.2	1295.0
67.5°	394.0	409.8	451.8	493.8	551.6	507.0	367.7	386.1	315.2	312.6	254.8
70°	288.9	307.3	349.4	394.0	331.0	136.6	212.8	315.2	239.0	199.6	194.4
72.5°	218.0	231.2	270.6	257.4	97.2	52.5	141.8	228.5	183.9	147.1	144.5
75°	162.9	170.7	136.6	42.0	10.5	13.1	52.5	94.6	102.4	84.1	84.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.3	7.9	10.5	13.1	15.8
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°	2934.0	2934.0	2934.0	2934.0	2934.0	2934.0	2934.0	2934.0	2934.0	2934.0	2934.0
2.5°	2994.4	2884.1	2726.5	2595.2	2495.4	2398.2	2324.6	2251.1	2248.5	2211.7	2203.8
5°	3120.5	2920.9	2632.0	2424.5	2298.4	2222.2	2169.7	2143.4	2130.3	2117.1	2111.9
7.5°	3301.8	3015.5	2616.2	2395.6	2290.5	2240.6	2203.8	2188.0	2180.2	2169.7	2167.0
10°	3525.0	3152.0	2674.0	2450.7	2358.8	2311.5	2272.1	2248.5	2235.3	2216.9	2211.7
12.5°	3793.0	3320.2	2765.9	2542.7	2445.5	2382.4	2329.9	2295.7	2277.4	2253.7	2248.5
15°	4081.9	3501.4	2868.4	2626.7	2511.1	2429.7	2364.0	2311.5	2277.4	2248.5	2240.6
17.5°	4381.3	3685.3	2960.3	2684.5	2542.7	2445.5	2350.9	2280.0	2238.0	2201.2	2190.7
20°	4717.6	3874.4	3020.7	2695.0	2532.1	2403.4	2293.1	2203.8	2161.8	2111.9	2101.4
22.5°	5069.5	4050.4	3047.0	2671.4	2474.4	2324.6	2206.4	2114.5	2054.1	2001.6	1985.8
25°	5411.0	4208.0	3033.8	2605.7	2387.7	2214.3	2093.5	1998.9	1933.3	1880.7	1867.6
27.5°	5773.5	4339.3	2986.6	2508.5	2269.5	2093.5	1977.9	1896.5	1836.1	1778.3	1765.1
30°	6180.6	4460.1	2910.4	2390.3	2130.3	1970.0	1880.7	1825.6	1759.9	1699.5	1681.1
32.5°	6671.8	4567.8	2800.1	2248.5	2006.8	1862.3	1812.4	1770.4	1694.2	1631.2	1618.1
35°	7234.0	4657.2	2660.9	2101.4	1886.0	1794.0	1783.5	1728.4	1628.6	1555.0	1539.3
37.5°	7885.4	4743.8	2495.4	1956.9	1796.7	1762.5	1765.1	1670.6	1549.8	1460.4	1449.9
40°	8586.7	4830.5	2311.5	1830.8	1715.2	1744.1	1720.5	1586.5	1389.5	1302.8	1292.3
42.5°	9316.9	4925.1	2125.0	1712.6	1646.9	1673.2	1639.1	1418.4	1276.6	1231.9	1226.7
45°	9976.2	5038.0	1922.7	1594.4	1578.7	1570.8	1513.0	1284.5	1224.0	1192.5	1189.9
47.5°	10451.7	5019.6	1707.4	1481.5	1505.1	1478.8	1302.8	1221.4	1171.5	1129.5	1119.0
50°	10365.0	4699.2	1484.1	1355.4	1410.5	1386.9	1171.5	1147.9	1103.2	1058.6	1042.8
52.5°	10144.3	4263.1	1289.7	1221.4	1308.1	1252.9	1082.2	1058.6	1019.2	961.4	943.0
55°	10262.5	3853.4	1137.4	1113.7	1203.0	1037.5	982.4	945.6	903.6	840.5	832.7
57.5°	9881.7	3144.2	914.1	929.9	1063.8	885.2	861.6	803.8	732.9	690.8	685.6
60°	6839.9	1689.0	572.6	591.0	769.6	743.4	772.3	719.7	633.0	593.6	585.8
62.5°	3141.5	677.7	312.6	299.4	404.5	504.3	661.9	656.7	549.0	485.9	480.7
65°	761.7	310.0	223.3	210.1	228.5	302.1	430.8	517.5	443.9	370.4	362.5
67.5°	246.9	252.2	204.9	191.7	202.3	225.9	257.4	286.3	283.7	260.0	254.8
70°	197.0	228.5	189.1	173.4	173.4	181.2	173.4	139.2	120.8	131.3	136.6
72.5°	147.1	173.4	149.7	134.0	128.7	126.1	107.7	78.8	55.2	49.9	47.3
75°	86.7	97.2	91.9	78.8	73.5	65.7	52.5	34.1	18.4	13.1	7.9
77.5°	15.8	18.4	21.0	15.8	13.1	10.5	7.9	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)