

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: P642214

Luminaire Tested: GWS-SA6C-740-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-740-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23779.1 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

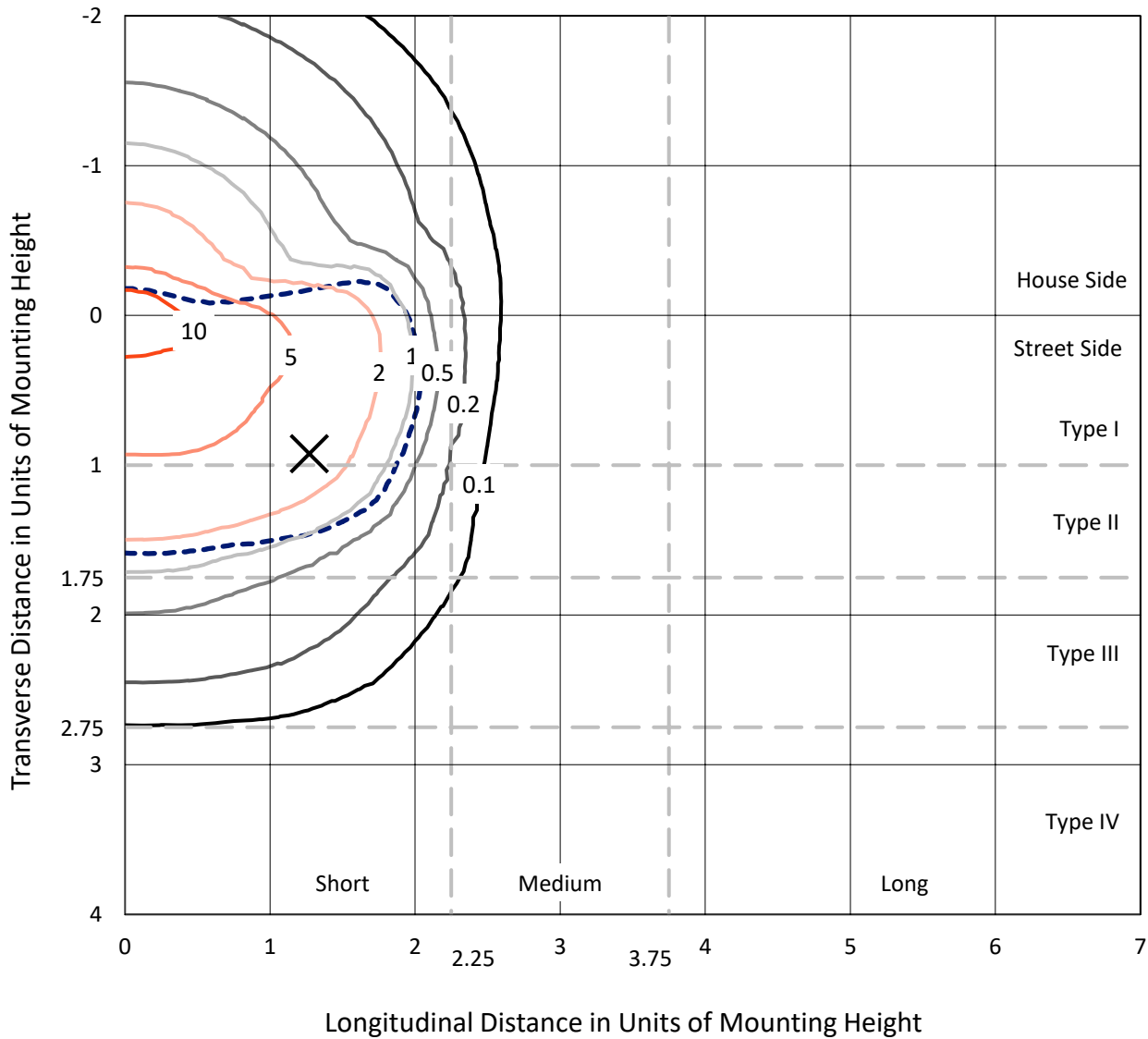
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

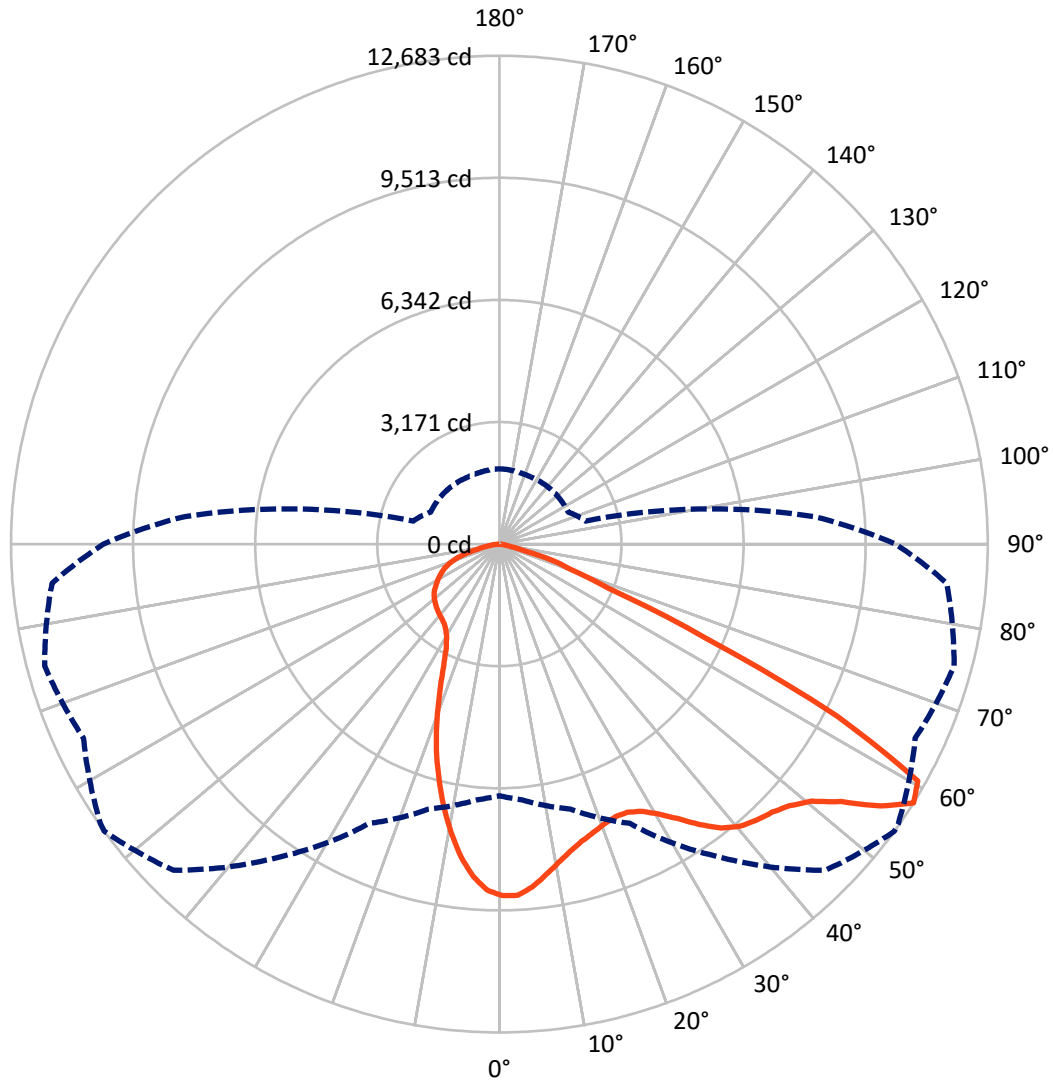
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6912.9	0.0	6912.9
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	16866.2	0.0	16866.2
	% Fixture	70.9	0.0	70.9
Total	Lumens	23779.1	0.0	23779.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	802.5	3.4
10°-20°	1914.8	8.1
20°-30°	2649.8	11.1
30°-40°	3681.8	15.5
40°-50°	4862.6	20.4
50°-60°	5778.5	24.3
60°-70°	3201.4	13.5
70°-80°	797.2	3.4
80°-90°	90.7	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°	23779.1	100.0
0°-180°	23779.1	100.0

Coefficient of Utilization



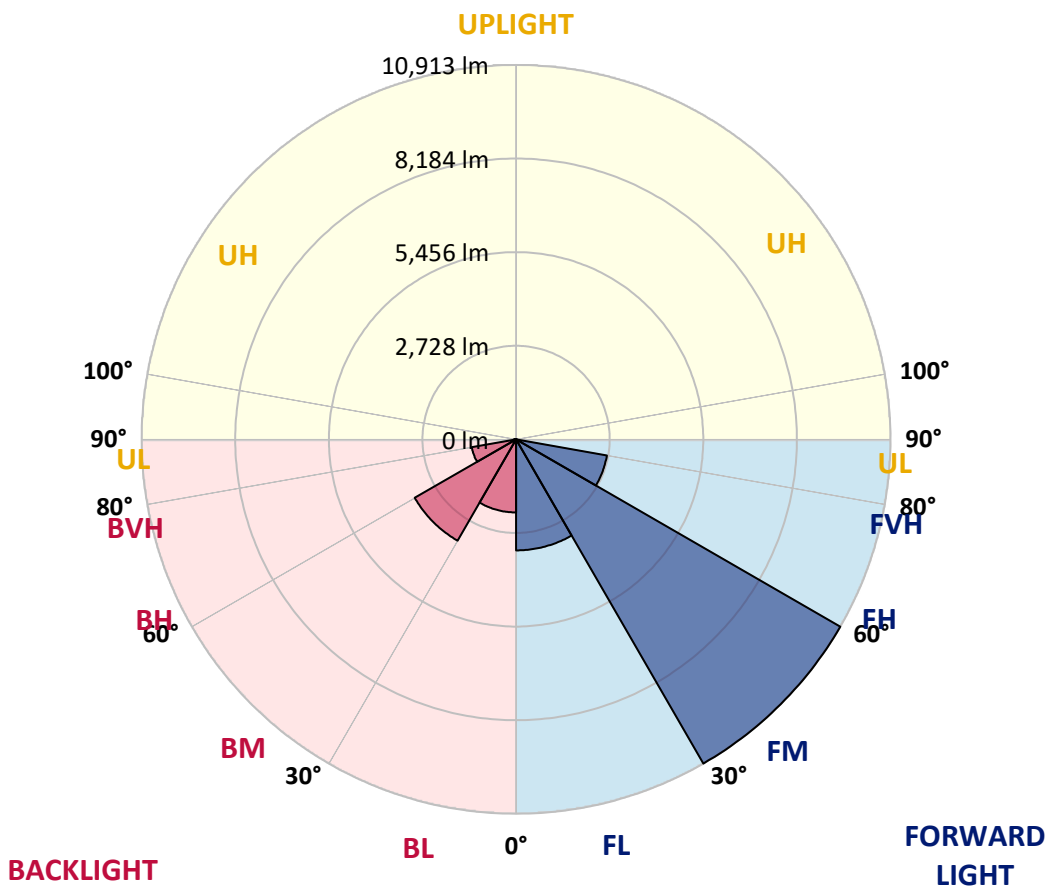
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3236.7	13.6			
FM (30°-60°)	10912.6	45.9			
FH (60°-80°)	2688.5	11.3			G2/5000
FVH (80°-90°)	28.4	0.1			G1/100
BL (0°-30°)	2130.3	9.0	B3/2500		
BM (30°-60°)	3410.3	14.3	B3/5000		
BH (60°-80°)	1310.0	5.5	B3/2500		G3/2500
BVH (80°-90°)	62.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	9129.3	9129.3	9129.3	9129.3	9129.3	9129.3	9129.3	9129.3	9129.3	9129.3	9129.3
2.5°	8958.4	8976.7	8988.9	9031.6	9068.3	9100.8	9135.4	9135.4	9133.4	9127.3	9115.1
5°	8604.2	8624.5	8653.0	8712.1	8791.4	8848.4	8942.1	8950.2	8990.9	9007.2	8999.1
7.5°	8193.0	8199.1	8235.7	8313.1	8439.3	8541.1	8675.4	8691.7	8789.4	8846.4	8836.2
10°	7743.1	7722.8	7787.9	7901.9	8066.8	8237.8	8410.8	8425.0	8581.8	8689.7	8681.5
12.5°	7332.0	7334.0	7399.1	7537.6	7743.1	7954.8	8186.9	8219.5	8412.8	8551.2	8537.0
15°	6988.0	6996.1	7075.5	7232.2	7466.3	7718.7	8007.8	8038.3	8282.6	8465.8	8425.0
17.5°	6713.2	6721.3	6790.5	6969.6	7220.0	7525.3	7877.5	7908.0	8211.3	8429.1	8345.7
20°	6523.9	6519.8	6587.0	6757.9	7016.5	7348.3	7763.5	7808.3	8188.9	8443.4	8292.7
22.5°	6446.5	6444.5	6493.3	6633.8	6876.0	7211.9	7694.3	7755.4	8213.3	8506.5	8260.2
25°	6485.2	6477.0	6519.8	6623.6	6817.0	7158.9	7714.6	7779.8	8317.2	8636.7	8266.3
27.5°	6605.3	6595.1	6631.7	6725.4	6871.9	7213.9	7857.1	7932.4	8537.0	8874.9	8347.7
30°	6788.5	6782.4	6819.0	6908.6	7036.8	7397.1	8129.9	8215.4	8876.9	9245.4	8524.8
32.5°	7002.2	6992.0	7057.2	7161.0	7309.6	7730.9	8496.3	8608.2	9280.0	9721.7	8822.0
35°	7242.4	7234.3	7323.8	7474.5	7688.2	8195.0	8940.0	9062.2	9691.1	10261.1	9216.9
37.5°	7476.5	7476.5	7649.5	7873.4	8142.1	8699.8	9357.3	9434.7	9976.1	10739.4	9640.3
40°	7684.1	7696.3	7956.9	8292.7	8634.7	9155.8	9632.1	9697.2	10102.3	11069.2	10008.7
42.5°	7914.1	7924.3	8227.6	8667.3	9074.4	9524.2	9799.0	9831.6	10126.7	11234.1	10269.2
45°	8097.3	8111.6	8488.1	8958.4	9457.1	9801.1	9931.3	9959.8	10161.3	11323.6	10458.5
47.5°	8193.0	8213.3	8644.9	9192.4	9715.6	10049.4	10149.1	10161.3	10303.8	11480.4	10686.5
50°	8176.7	8217.4	8703.9	9308.5	9906.9	10299.8	10499.2	10519.6	10594.9	11710.4	10953.2
52.5°	8321.2	8339.6	8830.1	9446.9	10179.7	10761.8	11107.9	11136.4	11101.8	11883.4	11111.9
55°	8081.0	8168.6	8673.4	9426.5	10594.9	11476.3	12009.6	11995.4	11561.8	12076.8	11376.6
57.5°	6536.1	6664.3	7126.4	8001.7	9911.0	11977.0	12683.4	12648.8	11918.0	12225.4	11663.6
60°	4525.0	4545.3	4962.6	5583.4	7649.5	10580.7	12485.9	12561.2	11983.1	12038.1	11132.3
62.5°	3619.2	3613.1	3651.7	3668.0	4864.9	7437.8	9856.0	10130.8	9955.8	9379.7	7889.7
65°	3089.9	3112.3	3226.3	3167.3	3175.4	4189.1	5888.8	5927.5	5805.3	5597.7	4172.8
67.5°	2418.2	2456.9	2658.4	2888.4	2815.1	2697.1	3055.3	3037.0	2393.8	1852.3	1530.7
70°	1514.4	1538.9	1754.6	2267.6	2450.8	2214.7	1964.3	1956.1	1282.4	1054.4	1156.2
72.5°	883.4	887.5	948.6	1264.1	1626.4	1514.4	1445.2	1392.3	824.4	840.7	922.1
75°	486.5	486.5	484.5	545.5	641.2	567.9	549.6	535.3	551.6	624.9	686.0
77.5°	101.8	103.8	109.9	144.5	187.3	228.0	287.0	289.0	360.3	417.3	466.1
80°	46.8	48.9	61.1	77.4	99.7	132.3	175.1	177.1	217.8	262.6	295.2
82.5°	24.4	26.5	32.6	40.7	52.9	69.2	97.7	97.7	130.3	154.7	175.1
85°	8.1	8.1	12.2	16.3	22.4	28.5	38.7	38.7	57.0	75.3	87.5
87.5°	0.0	0.0	0.0	0.0	2.0	4.1	8.1	8.1	10.2	12.2	20.4
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°	9129.3	9129.3	9129.3	9129.3	9129.3	9129.3	9129.3	9129.3	9129.3	9129.3	9129.3
2.5°	9088.6	9025.5	9027.6	9039.8	9001.1	8942.1	8903.4	8854.5	8824.0	8817.9	8840.3
5°	8958.4	8885.1	8834.2	8781.3	8671.3	8541.1	8439.3	8355.8	8300.9	8280.5	8256.1
7.5°	8779.2	8683.6	8555.3	8406.7	8207.2	7975.2	7812.4	7659.7	7553.8	7523.3	7509.1
10°	8600.1	8461.7	8233.7	7956.9	7625.1	7311.6	7016.5	6790.5	6611.4	6509.6	6542.2
12.5°	8414.9	8243.9	7887.7	7462.2	7000.2	6527.9	6141.2	5766.6	5477.6	5333.1	5290.3
15°	8252.0	8020.0	7523.3	6947.3	6332.5	5738.1	5178.4	4616.6	4250.2	4050.7	3995.7
17.5°	8113.6	7812.4	7138.6	6422.1	5687.3	4840.5	4152.5	3631.4	3381.0	3271.1	3262.9
20°	7977.2	7608.8	6757.9	5856.2	4942.3	3993.7	3379.0	3134.7	3045.1	3006.5	3004.4
22.5°	7855.1	7395.1	6356.9	5290.3	4201.3	3356.6	3018.7	2912.8	2888.4	2888.4	2884.3
25°	7751.3	7181.3	5945.8	4689.9	3531.6	2988.2	2831.4	2786.6	2796.8	2815.1	2817.2
27.5°	7708.5	7014.4	5548.8	4073.1	3069.6	2774.4	2703.2	2697.1	2725.6	2754.1	2758.1
30°	7753.3	6900.4	5141.7	3482.8	2792.7	2644.1	2611.6	2623.8	2658.4	2686.9	2686.9
32.5°	7891.7	6843.4	4726.5	3051.3	2631.9	2552.6	2542.4	2554.6	2581.0	2597.3	2599.4
35°	8125.8	6865.8	4297.0	2760.2	2528.1	2485.4	2483.3	2491.5	2501.7	2511.8	2513.9
37.5°	8421.0	6965.6	3837.0	2591.2	2461.0	2436.5	2432.5	2430.4	2432.5	2432.5	2434.5
40°	8710.0	7116.2	3425.8	2491.5	2414.1	2393.8	2383.6	2369.4	2367.3	2363.2	2361.2
42.5°	8923.7	7232.2	3098.1	2420.2	2371.4	2347.0	2334.7	2312.4	2310.3	2308.3	2306.3
45°	9084.6	7329.9	2825.3	2351.0	2326.6	2304.2	2277.8	2257.4	2261.5	2265.5	2265.5
47.5°	9265.7	7415.4	2625.8	2285.9	2271.6	2249.3	2216.7	2202.4	2216.7	2230.9	2230.9
50°	9485.6	7535.5	2463.0	2220.8	2214.7	2188.2	2159.7	2153.6	2169.9	2190.2	2190.2
52.5°	9646.4	7639.3	2347.0	2155.6	2155.6	2121.0	2096.6	2094.6	2112.9	2133.2	2135.3
55°	9947.6	7881.6	2306.3	2080.3	2072.2	2045.7	2027.4	2013.1	2035.5	2053.8	2053.8
57.5°	10287.6	8203.2	2316.4	1972.4	1962.2	1954.1	1939.9	1923.6	1929.7	1950.0	1952.1
60°	9567.0	7580.3	2204.5	1864.5	1858.4	1854.4	1836.0	1807.5	1815.7	1832.0	1834.0
62.5°	6682.6	5037.9	1783.1	1730.2	1750.6	1748.5	1724.1	1691.5	1693.6	1715.9	1715.9
65°	3468.5	2725.6	1565.3	1608.1	1638.6	1626.4	1585.7	1557.2	1553.1	1581.6	1575.5
67.5°	1496.1	1488.0	1424.9	1479.8	1512.4	1485.9	1443.2	1396.4	1400.4	1410.6	1402.5
70°	1205.0	1241.7	1268.1	1327.2	1353.6	1304.8	1258.0	1231.5	1209.1	1207.1	1192.8
72.5°	962.8	1013.7	1072.7	1133.8	1141.9	1093.1	1034.0	1009.6	975.0	973.0	958.7
75°	724.6	767.4	814.2	863.1	863.1	816.2	777.6	765.4	724.6	712.4	700.2
77.5°	494.6	521.1	557.7	569.9	582.2	563.8	525.2	504.8	458.0	445.8	429.5
80°	311.4	329.8	352.1	360.3	372.5	350.1	319.6	297.2	264.6	254.4	246.3
82.5°	187.3	199.5	213.7	217.8	228.0	211.7	183.2	166.9	148.6	140.5	134.3
85°	95.7	101.8	109.9	112.0	109.9	93.6	83.5	75.3	63.1	61.1	57.0
87.5°	24.4	28.5	30.5	28.5	26.5	20.4	14.2	10.2	4.1	4.1	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

(END OF REPORT)