

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: P634287

Luminaire Tested: GWS-SA3B-740-U-RW-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634287  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-740-U-RW-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

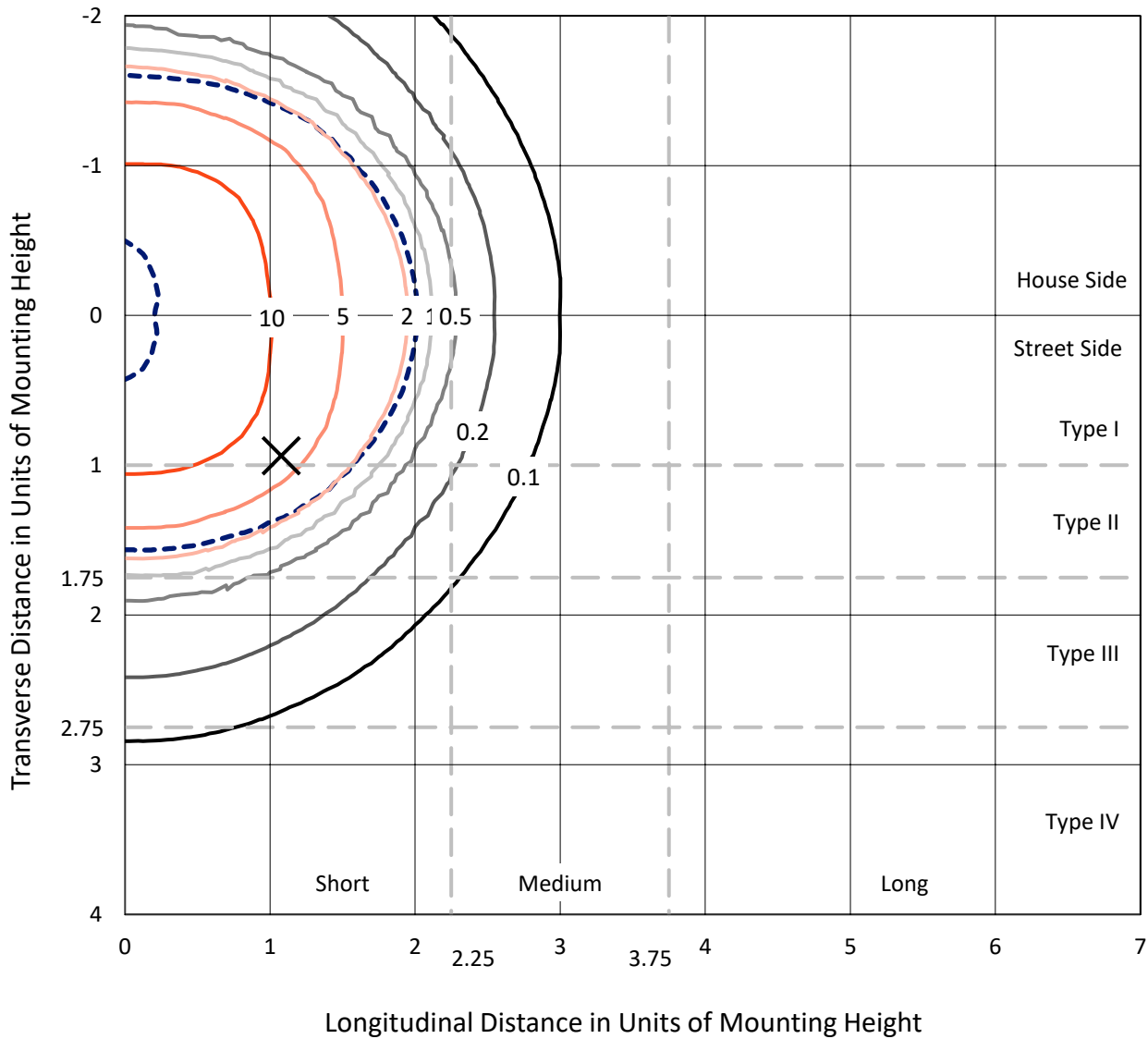
Lumens per Lamp: N/A  
Luminaire Lumens: 9169.3 lumens  
Efficiency: N/A  
Efficacy: 134.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

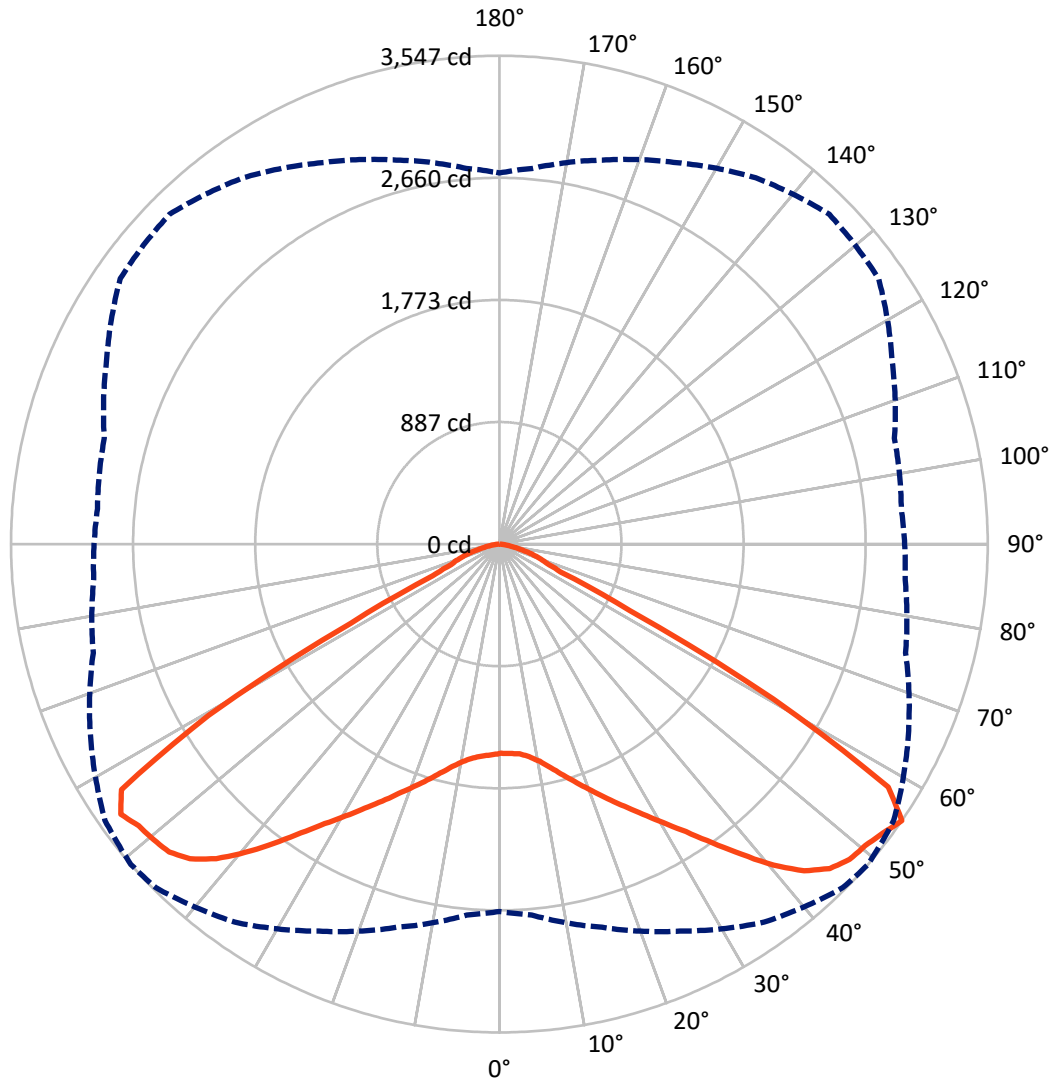
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4539.7	0.0	4539.7
	% Fixture	49.5	0.0	49.5
<b>Street Side</b>	Lumens	4629.6	0.0	4629.6
	% Fixture	50.5	0.0	50.5
<b>Total</b>	Lumens	9169.3	0.0	9169.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.2	1.6
10°-20°	488.7	5.3
20°-30°	930.9	10.2
30°-40°	1578.1	17.2
40°-50°	2374.9	25.9
50°-60°	2599.6	28.4
60°-70°	822.0	9.0
70°-80°	197.3	2.2
80°-90°	29.6	0.3
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°	9169.3	100.0
0°-180°	9169.3	100.0

**Coefficient of Utilization**



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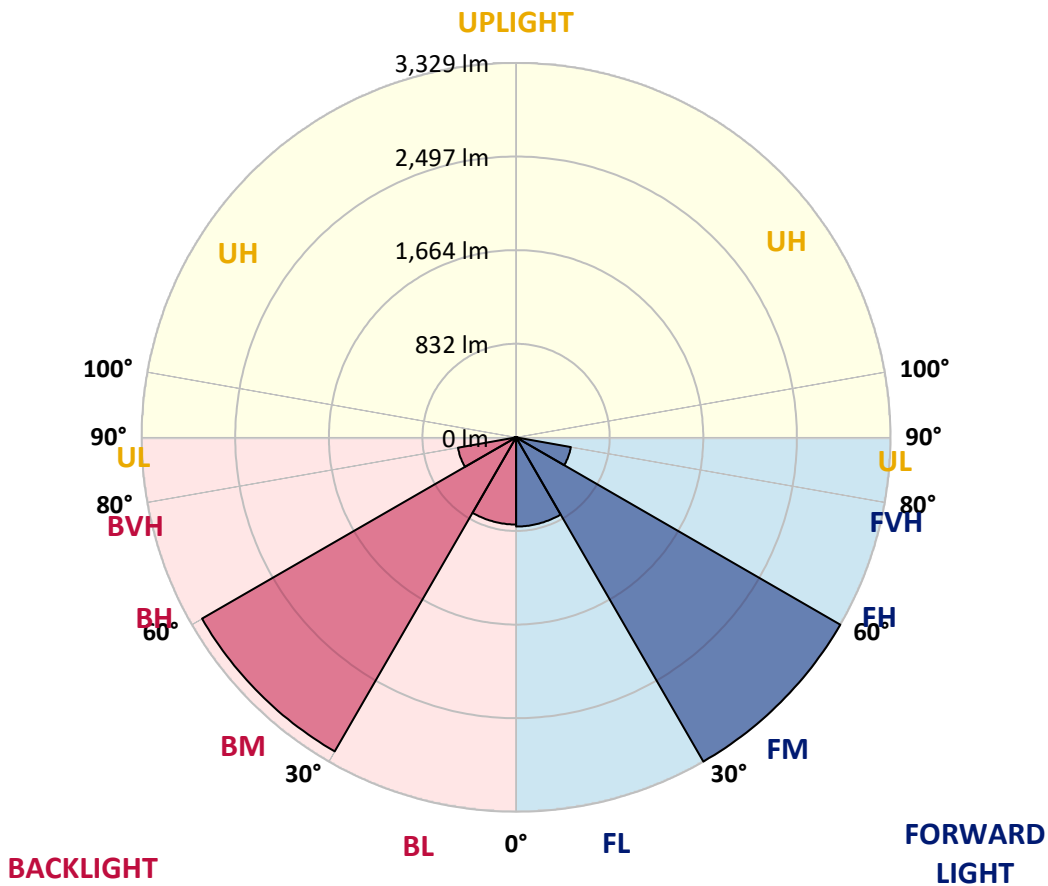
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	792.8	8.6			
FM	(30°-60°)	3328.7	36.3			
FH	(60°-80°)	494.4	5.4			G0/660
FVH	(80°-90°)	13.7	0.1			G1/100
BL	(0°-30°)	775.1	8.5	B2/1000		
BM	(30°-60°)	3223.9	35.2	B3/5000		
BH	(60°-80°)	524.8	5.7	B2/1000		G0/660
BVH	(80°-90°)	15.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	1519.0	1519.0	1519.0	1519.0	1519.0	1519.0	1519.0	1519.0	1519.0	1519.0	1519.0
2.5°	1496.6	1498.1	1501.1	1506.3	1511.5	1519.0	1521.9	1525.7	1524.9	1529.4	1529.4
5°	1489.1	1491.4	1495.8	1503.3	1512.2	1526.4	1530.1	1539.1	1548.0	1559.2	1562.9
7.5°	1498.1	1501.1	1506.3	1518.2	1531.6	1550.3	1557.7	1572.6	1589.8	1609.9	1618.1
10°	1515.2	1519.0	1527.9	1547.3	1568.9	1597.2	1604.0	1622.6	1650.2	1677.8	1694.2
12.5°	1534.6	1540.6	1557.0	1587.6	1619.6	1656.9	1667.3	1690.5	1720.3	1756.1	1778.4
15°	1557.0	1562.2	1587.6	1630.8	1680.8	1730.0	1741.9	1764.3	1797.8	1832.9	1864.2
17.5°	1604.0	1612.9	1642.7	1692.7	1750.9	1809.0	1822.4	1847.8	1874.6	1902.2	1932.1
20°	1668.1	1675.5	1713.6	1775.5	1844.1	1897.0	1910.4	1932.8	1945.5	1959.6	1985.0
22.5°	1732.2	1742.7	1785.9	1859.0	1939.5	1996.9	2007.4	2028.2	2019.3	2014.8	2031.2
25°	1812.0	1826.2	1868.7	1948.5	2030.5	2101.3	2109.5	2127.4	2112.5	2089.4	2088.6
27.5°	1911.2	1923.9	1967.8	2049.9	2131.2	2205.0	2220.6	2244.5	2211.7	2183.4	2163.2
30°	2029.0	2037.2	2085.7	2172.9	2256.4	2326.5	2346.7	2370.5	2345.9	2298.9	2278.8
32.5°	2166.2	2177.4	2233.3	2325.0	2399.6	2469.7	2489.8	2519.7	2492.8	2439.9	2414.5
35°	2331.0	2342.2	2401.1	2501.0	2577.1	2649.4	2663.6	2688.2	2654.6	2593.5	2573.3
37.5°	2510.0	2524.1	2598.7	2693.4	2773.2	2857.4	2858.2	2865.6	2817.9	2741.9	2719.5
40°	2711.3	2729.9	2804.5	2902.9	2999.1	3067.7	3067.0	3046.1	2965.6	2847.8	2813.5
42.5°	2910.4	2925.3	3000.6	3102.0	3198.2	3263.1	3243.7	3193.0	3076.7	2916.4	2870.9
45°	3054.3	3065.5	3144.5	3258.6	3356.3	3396.6	3361.5	3300.4	3143.0	2959.6	2892.5
47.5°	3122.2	3137.1	3216.9	3330.2	3440.6	3463.7	3421.9	3364.5	3181.8	2999.9	2909.6
50°	3085.6	3105.0	3195.2	3300.4	3424.9	3472.6	3442.8	3385.4	3222.8	3039.4	2940.2
52.5°	2990.9	3009.6	3123.7	3251.2	3392.1	3486.8	3486.1	3439.1	3269.8	3050.6	2941.7
55°	2667.3	2703.8	2881.3	3101.3	3351.8	3528.6	3546.5	3496.5	3277.3	3053.6	2957.4
57.5°	1735.9	1800.1	1968.6	2254.9	2757.5	3209.4	3330.2	3342.1	3223.6	3040.9	2960.3
60°	724.8	776.3	909.7	1099.9	1515.2	2052.9	2287.0	2521.9	2805.2	2908.2	2932.8
62.5°	450.4	454.9	468.3	511.5	650.2	912.7	1063.3	1283.3	1704.6	2063.3	2228.8
65°	406.4	408.6	411.6	408.6	415.3	447.4	487.7	564.5	736.0	914.2	1126.0
67.5°	357.9	360.9	363.1	360.9	363.1	364.6	369.1	375.8	407.1	432.5	451.9
70°	289.3	293.8	297.5	296.0	305.0	305.0	309.5	314.7	330.3	349.0	362.4
72.5°	220.7	217.0	221.5	223.0	231.2	235.6	242.3	248.3	266.2	277.4	294.5
75°	143.2	139.4	146.2	149.9	161.1	167.0	173.0	179.0	191.6	199.1	215.5
77.5°	77.6	76.8	83.5	88.7	100.7	108.1	112.6	117.1	127.5	129.7	140.2
80°	44.7	44.7	49.2	52.9	60.4	68.6	73.1	76.8	84.3	86.5	91.0
82.5°	24.6	24.6	26.8	29.1	35.0	39.5	43.2	46.2	52.9	55.2	57.4
85°	11.9	11.2	12.7	14.2	16.4	18.6	20.9	22.4	27.6	29.1	32.1
87.5°	1.5	1.5	1.5	2.2	3.0	4.5	5.2	5.2	8.2	9.7	11.2
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°	1519.0	1519.0	1519.0	1519.0	1519.0	1519.0	1519.0	1519.0	1519.0	1519.0	1519.0
2.5°	1533.9	1524.2	1530.1	1532.4	1532.4	1530.1	1520.4	1517.5	1513.0	1506.3	1506.3
5°	1568.2	1560.7	1562.2	1558.5	1549.5	1538.3	1520.4	1511.5	1504.0	1495.8	1495.1
7.5°	1627.1	1617.4	1615.9	1601.7	1577.9	1554.0	1527.2	1510.7	1499.6	1489.1	1488.4
10°	1703.9	1694.9	1683.7	1655.4	1620.4	1585.3	1548.8	1526.4	1510.0	1495.1	1494.3
12.5°	1789.6	1779.2	1758.3	1716.6	1672.6	1638.3	1596.5	1562.2	1537.6	1517.5	1513.7
15°	1882.8	1867.9	1832.1	1782.9	1739.7	1703.1	1658.4	1609.2	1571.9	1539.8	1536.1
17.5°	1954.4	1935.0	1896.3	1850.0	1814.2	1777.7	1719.5	1657.6	1604.0	1563.7	1557.7
20°	2003.6	1988.0	1944.0	1909.7	1888.8	1856.7	1788.9	1718.8	1658.4	1607.7	1604.7
22.5°	2049.1	2030.5	1987.2	1967.1	1967.1	1945.5	1880.6	1797.8	1727.0	1668.1	1660.6
25°	2100.6	2080.4	2047.6	2045.4	2055.8	2046.1	1967.8	1879.1	1796.3	1730.0	1718.0
27.5°	2172.2	2149.8	2130.4	2143.8	2158.7	2148.3	2061.1	1958.2	1870.9	1803.8	1793.4
30°	2286.3	2258.7	2240.8	2257.2	2286.3	2255.7	2161.0	2052.1	1964.1	1890.3	1885.1
32.5°	2419.0	2387.7	2369.0	2395.1	2421.2	2373.5	2279.5	2175.1	2082.7	2005.1	1996.2
35°	2578.6	2539.0	2511.5	2546.5	2573.3	2526.4	2433.2	2334.0	2231.1	2150.5	2138.6
37.5°	2720.2	2672.5	2653.9	2703.1	2738.9	2708.3	2606.9	2513.7	2401.1	2313.1	2307.9
40°	2823.1	2776.2	2762.7	2844.0	2906.7	2899.2	2808.2	2701.6	2595.7	2494.3	2484.6
42.5°	2867.9	2835.1	2838.1	2947.7	3044.6	3092.3	3011.1	2897.0	2794.8	2689.7	2683.0
45°	2877.6	2857.4	2881.3	3018.5	3146.0	3243.7	3174.4	3078.9	2963.3	2861.9	2858.9
47.5°	2888.0	2876.8	2913.4	3058.8	3210.2	3323.5	3284.7	3186.3	3069.2	2970.0	2962.6
50°	2912.6	2908.2	2949.2	3087.1	3240.7	3345.1	3301.1	3203.4	3083.4	2985.7	2967.8
52.5°	2920.1	2912.6	2971.5	3131.1	3291.4	3344.4	3249.7	3122.2	3001.4	2892.5	2873.9
55°	2943.2	2929.8	2970.0	3147.5	3361.5	3387.6	3246.7	3055.8	2887.3	2738.9	2694.9
57.5°	2949.2	2934.3	2960.3	3120.7	3285.5	3262.3	2853.7	2466.0	2148.3	1983.5	2002.2
60°	2917.1	2921.6	2876.8	2858.9	2635.2	2326.5	1747.1	1396.7	1096.9	970.1	997.7
62.5°	2220.6	2239.3	2086.4	1814.2	1395.2	1105.8	731.5	568.2	481.0	458.6	462.3
65°	1120.8	1146.1	987.3	816.5	607.0	490.7	424.3	410.9	406.4	401.2	401.2
67.5°	443.7	451.1	445.2	416.8	387.8	377.3	374.3	372.8	367.6	364.6	365.4
70°	356.4	362.4	353.5	335.6	323.6	322.9	321.4	318.4	314.7	314.7	316.9
72.5°	290.8	296.8	284.1	272.9	264.0	257.3	253.5	251.3	246.1	246.1	248.3
75°	214.0	217.7	207.3	205.8	196.1	189.4	183.4	180.5	173.7	170.8	173.0
77.5°	142.4	141.7	136.5	136.5	132.7	124.5	117.8	111.1	102.2	96.2	97.7
80°	92.5	92.5	90.2	90.2	86.5	79.8	71.6	64.9	59.7	55.2	55.2
82.5°	58.9	58.2	57.4	56.7	55.2	48.5	42.5	38.0	34.3	31.3	32.1
85°	32.8	32.8	31.3	31.3	28.3	24.6	21.6	18.6	16.4	15.7	15.7
87.5°	11.2	11.2	10.4	10.4	8.9	6.7	5.2	4.5	3.7	3.0	3.7
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)