

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: P641530

Luminaire Tested: GWS-SA6B-722-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-722-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15064 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

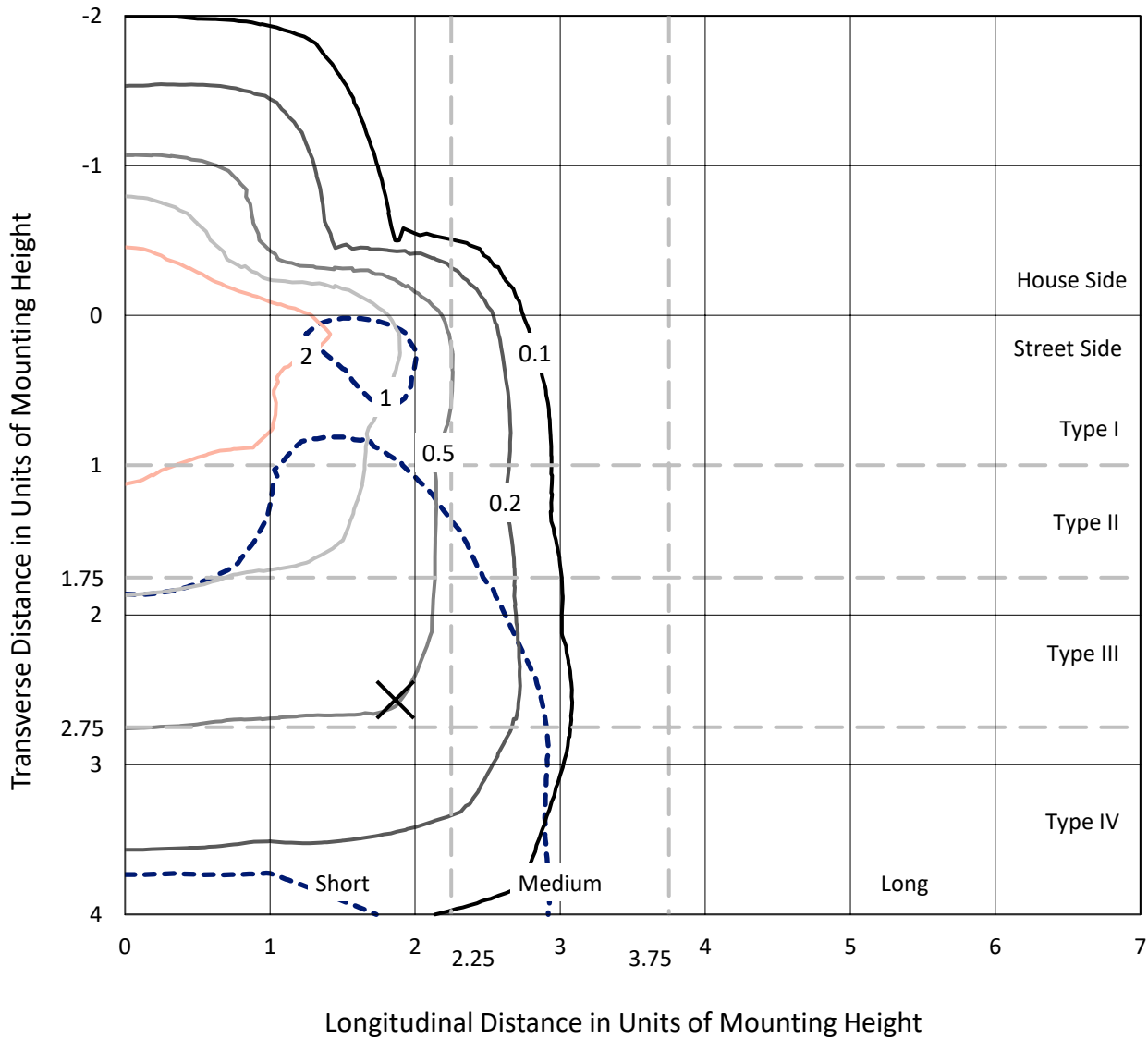
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

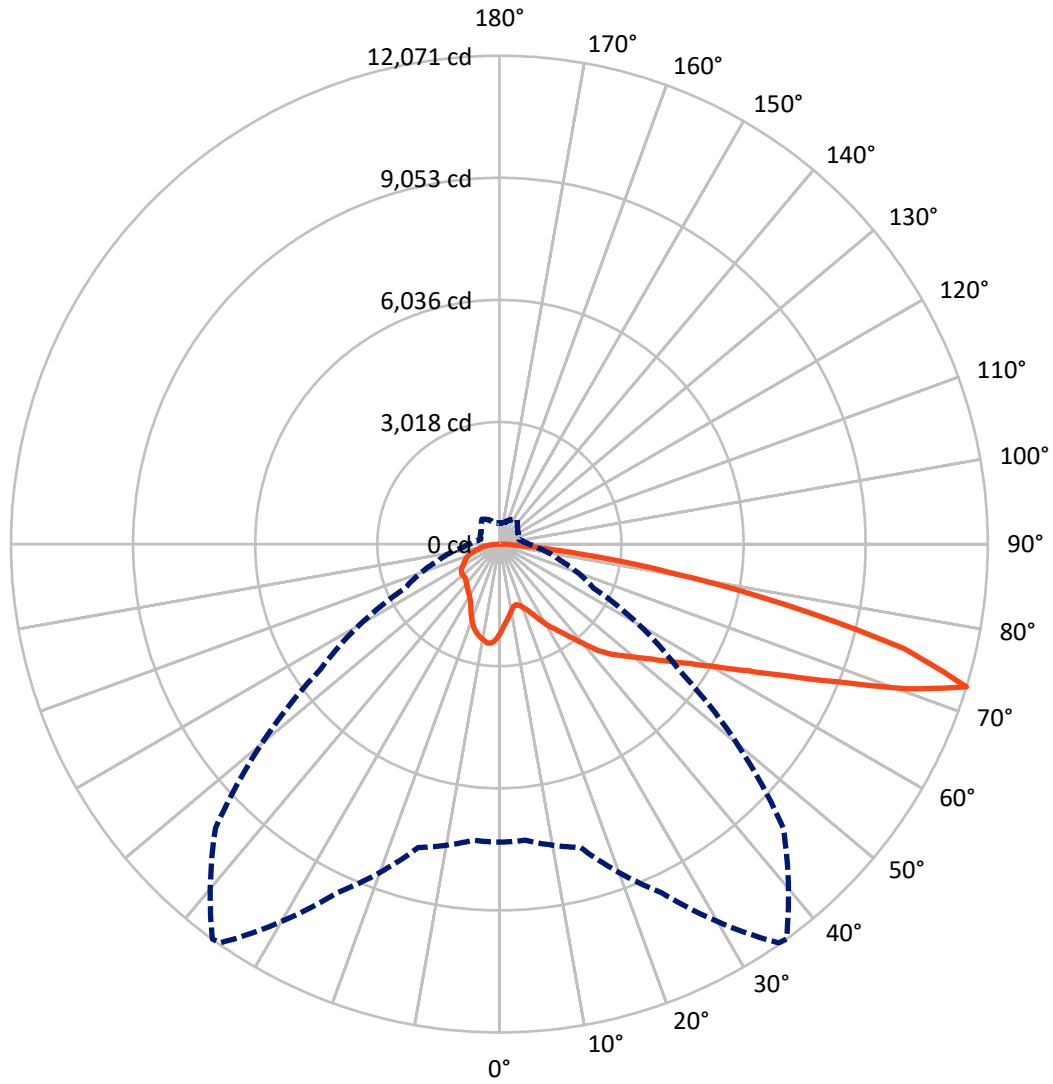
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3472.9	0.0	3472.9
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	11591.1	0.0	11591.1
	% Fixture	76.9	0.0	76.9
Total	Lumens	15064.0	0.0	15064.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.1	1.4
10°-20°	581.4	3.9
20°-30°	962.9	6.4
30°-40°	1442.0	9.6
40°-50°	2103.8	14.0
50°-60°	2994.4	19.9
60°-70°	3783.2	25.1
70°-80°	2695.8	17.9
80°-90°	294.3	2.0
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°	15064.0	100.0
0°-180°	15064.0	100.0

Coefficient of Utilization



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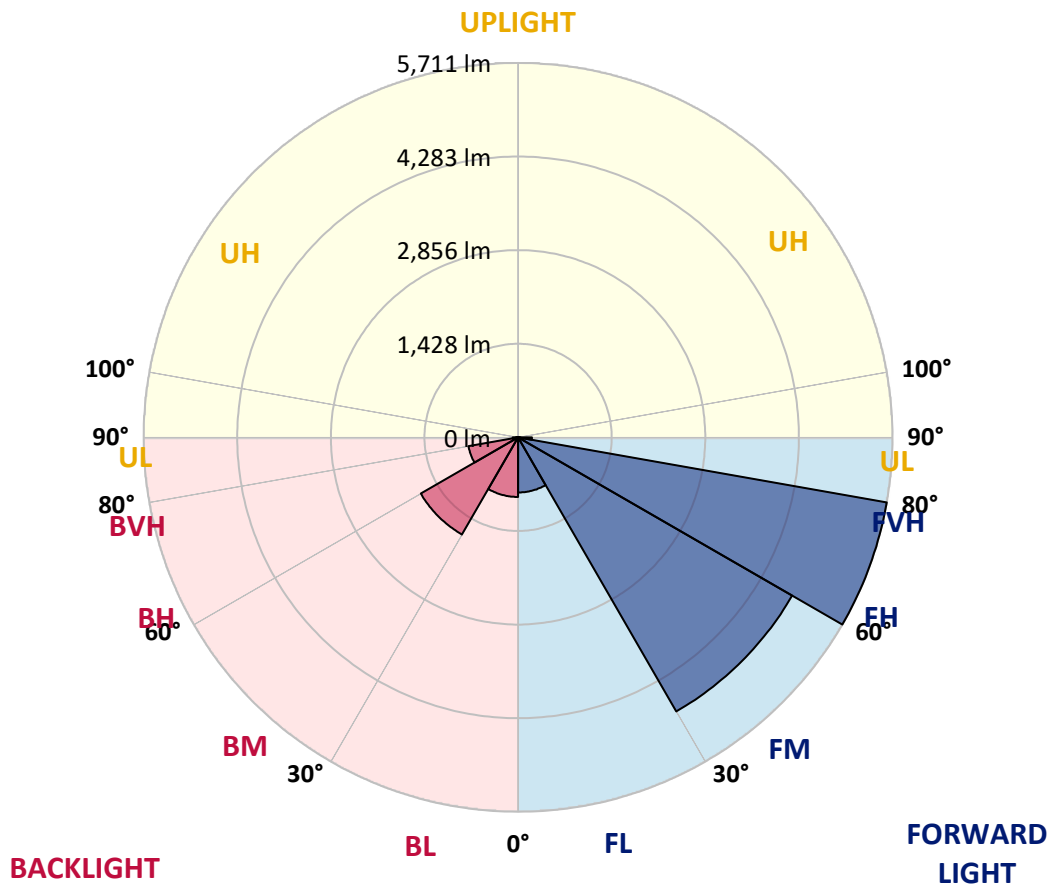
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	841.0	5.6			
FM (30°-60°)	4827.6	32.0			
FH (60°-80°)	5711.3	37.9			G3/7500
FVH (80°-90°)	211.2	1.4			G2/225
BL (0°-30°)	909.4	6.0	B2/1000		
BM (30°-60°)	1712.6	11.4	B2/2500		
BH (60°-80°)	767.8	5.1	B2/1000		G2/1000
BVH (80°-90°)	83.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	2204.7	2204.7	2204.7	2204.7	2204.7	2204.7	2204.7	2204.7	2204.7	2204.7	2204.7
2.5°	2011.3	2007.9	2001.2	2021.3	2041.5	2039.2	2067.2	2094.0	2123.1	2153.3	2193.5
5°	1850.3	1848.0	1842.5	1872.6	1902.8	1901.7	1947.5	1991.1	2050.4	2115.2	2195.7
7.5°	1689.3	1683.7	1691.5	1729.5	1772.0	1776.5	1839.1	1910.7	1996.7	2094.0	2208.0
10°	1547.3	1546.2	1549.5	1592.0	1655.7	1660.2	1740.7	1840.2	1954.3	2083.9	2236.0
12.5°	1510.4	1508.2	1499.2	1520.5	1568.5	1575.3	1663.6	1785.4	1925.2	2089.5	2274.0
15°	1570.8	1565.2	1533.9	1523.8	1547.3	1552.9	1627.8	1753.0	1908.4	2099.6	2322.1
17.5°	1674.8	1671.4	1612.1	1570.8	1586.4	1590.9	1646.8	1747.4	1903.9	2119.7	2381.3
20°	1826.8	1812.3	1719.5	1656.9	1656.9	1663.6	1697.1	1772.0	1909.5	2144.3	2448.4
22.5°	2028.0	1999.0	1868.2	1783.2	1760.8	1769.8	1784.3	1833.5	1933.0	2185.7	2532.3
25°	2253.9	2227.0	2071.6	1952.0	1920.7	1924.1	1911.8	1920.7	1984.4	2242.7	2636.2
27.5°	2494.2	2476.4	2310.9	2158.8	2109.7	2109.7	2066.1	2044.8	2056.0	2307.5	2752.5
30°	2708.9	2684.3	2544.6	2378.0	2313.1	2313.1	2230.4	2184.6	2157.7	2386.9	2907.9
32.5°	2821.8	2807.3	2714.5	2587.0	2507.7	2495.4	2423.8	2370.1	2307.5	2504.3	3118.1
35°	2969.4	2966.0	2910.1	2810.6	2710.0	2692.1	2642.9	2600.5	2492.0	2650.8	3397.6
37.5°	3155.0	3149.4	3140.4	3081.2	2960.4	2957.1	2913.5	2862.1	2721.2	2862.1	3736.3
40°	3362.9	3352.9	3341.7	3340.6	3267.9	3255.6	3252.2	3194.1	2997.3	3117.0	4089.6
42.5°	3649.1	3614.5	3509.4	3556.3	3610.0	3598.8	3641.3	3554.1	3341.7	3419.9	4423.9
45°	4001.3	3916.3	3708.4	3721.8	3857.1	3879.4	4027.0	4005.8	3720.7	3769.9	4776.1
47.5°	4212.6	4138.8	3945.4	3934.2	4103.0	4131.0	4451.9	4492.1	4128.8	4191.4	5211.0
50°	4385.9	4334.5	4175.7	4191.4	4370.2	4398.2	4873.3	4959.4	4513.3	4622.9	5716.3
52.5°	4595.0	4521.2	4398.2	4472.0	4691.1	4724.6	5341.8	5434.6	4859.9	5096.9	6239.5
55°	4712.3	4682.2	4684.4	4797.3	5072.3	5118.2	5832.6	5816.9	5177.4	5502.8	6633.1
57.5°	4982.9	4971.7	5074.6	5117.1	5517.3	5576.6	6323.4	6189.2	5465.9	5816.9	6822.0
60°	5460.3	5432.3	5521.8	5586.6	6067.4	6151.2	6871.2	6553.7	5661.5	6050.6	6758.3
62.5°	6131.1	6096.4	6099.8	6202.6	6804.1	6892.4	7480.5	6857.8	5721.9	6086.4	6354.7
65°	6965.1	6914.8	6857.8	6997.5	7782.4	7856.1	8143.5	7079.1	5577.7	5742.0	5511.7
67.5°	7845.0	7803.6	7736.5	8029.4	9049.0	9093.8	8886.9	7060.1	5120.4	4820.8	3866.0
70°	7896.4	7906.5	8224.0	9283.8	10702.6	10713.7	9590.2	6677.8	4146.6	3124.8	1926.3
72.5°	7366.5	7349.7	7763.3	9513.0	12033.0	12071.0	9922.2	5410.0	2562.4	1558.5	903.3
75°	5983.5	6012.6	6447.5	8323.5	10313.5	10347.0	8088.7	3189.6	1217.5	762.5	578.0
77.5°	2575.9	2738.0	3595.5	5863.9	7386.6	7282.6	4169.0	1292.4	649.6	543.3	442.7
80°	743.5	807.2	1281.2	2788.3	4426.1	4347.9	1650.2	484.1	452.8	408.1	317.5
82.5°	240.4	266.1	469.6	1110.2	1983.3	1981.1	626.1	286.2	296.3	277.3	204.6
85°	67.1	77.1	144.2	336.5	613.8	601.5	181.1	135.3	157.6	159.9	101.7
87.5°	0.0	0.0	1.1	2.2	2.2	2.2	4.5	20.1	45.8	58.1	41.4
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°	2204.7	2204.7	2204.7	2204.7	2204.7	2204.7	2204.7	2204.7	2204.7	2204.7	2204.7
2.5°	2218.1	2214.7	2260.6	2296.4	2329.9	2352.3	2359.0	2363.4	2372.4	2376.9	2372.4
5°	2233.8	2250.5	2326.5	2382.4	2427.2	2454.0	2455.1	2452.9	2459.6	2454.0	2450.6
7.5°	2267.3	2299.7	2395.9	2455.1	2484.2	2485.3	2458.5	2427.2	2411.5	2398.1	2393.6
10°	2312.0	2360.1	2465.2	2504.3	2495.4	2454.0	2394.7	2345.6	2317.6	2297.5	2293.0
12.5°	2373.5	2427.2	2526.7	2525.5	2469.6	2395.9	2326.5	2267.3	2227.0	2203.6	2195.7
15°	2431.6	2499.8	2571.4	2518.8	2430.5	2341.1	2251.6	2172.3	2118.6	2081.7	2075.0
17.5°	2503.2	2575.9	2603.8	2497.6	2381.3	2266.2	2146.5	2042.6	1969.9	1926.3	1922.9
20°	2585.9	2650.8	2619.5	2460.7	2317.6	2166.7	2004.6	1888.3	1810.0	1767.5	1770.9
22.5°	2682.1	2729.0	2623.9	2410.4	2229.3	2025.8	1844.7	1732.9	1680.3	1658.0	1659.1
25°	2784.9	2815.1	2616.1	2342.2	2094.0	1853.6	1680.3	1628.9	1624.4	1618.9	1621.1
27.5°	2906.8	2900.1	2592.6	2246.0	1911.8	1653.5	1565.2	1578.6	1596.5	1594.3	1596.5
30°	3070.0	3006.3	2562.4	2113.0	1694.9	1485.8	1497.0	1535.0	1558.5	1560.7	1567.4
32.5°	3256.7	3123.7	2514.4	1931.9	1488.0	1391.9	1433.3	1479.1	1507.1	1512.6	1521.6
35°	3479.2	3257.8	2429.4	1706.1	1339.4	1336.0	1374.0	1405.3	1435.5	1437.7	1437.7
37.5°	3735.2	3392.0	2294.1	1456.7	1247.7	1287.9	1323.7	1330.4	1338.2	1331.5	1334.9
40°	3970.0	3521.7	2101.8	1229.8	1172.8	1245.4	1275.6	1253.3	1228.7	1211.9	1215.3
42.5°	4166.8	3610.0	1846.9	1071.0	1096.8	1207.4	1230.9	1185.1	1137.0	1105.7	1110.2
45°	4388.1	3691.6	1547.3	963.7	1031.9	1180.6	1196.3	1137.0	1075.5	1028.6	1021.8
47.5°	4693.3	3858.2	1281.2	888.8	986.1	1166.1	1191.8	1111.3	1030.8	960.4	952.5
50°	5070.1	4094.1	1058.7	839.6	964.8	1158.2	1190.7	1083.3	987.2	904.5	898.9
52.5°	5481.5	4324.4	894.4	801.6	943.6	1134.8	1185.1	1052.0	941.4	851.9	845.2
55°	5755.4	4415.0	783.7	765.8	908.9	1097.9	1162.7	1021.8	872.0	790.4	780.4
57.5°	5835.9	4298.7	706.6	733.4	864.2	1046.4	1120.2	958.1	829.6	764.7	756.9
60°	5697.3	4005.8	658.5	706.6	815.0	980.5	1046.4	921.2	796.0	737.9	732.3
62.5°	5306.0	3554.1	621.6	678.6	764.7	911.2	999.5	876.5	759.1	713.3	705.5
65°	4518.9	2914.6	591.4	649.6	716.6	845.2	948.1	831.8	718.9	684.2	675.3
67.5°	3160.6	2047.0	559.0	614.9	668.6	781.5	894.4	790.4	677.5	651.8	642.8
70°	1545.1	1085.6	519.9	574.6	617.1	716.6	840.7	740.1	622.7	608.2	595.9
72.5°	735.6	607.1	474.0	519.9	546.7	630.5	751.3	667.4	557.9	526.6	505.3
75°	493.0	431.5	413.7	455.0	461.7	528.8	644.0	575.8	491.9	456.1	438.3
77.5°	373.4	329.8	347.7	384.6	371.2	434.9	529.9	513.2	443.8	411.4	402.5
80°	262.7	240.4	276.1	298.5	288.4	370.1	477.4	439.4	365.6	329.8	323.1
82.5°	165.5	161.0	203.5	206.8	210.2	292.9	392.4	345.5	284.0	233.7	216.9
85°	82.7	91.7	121.9	121.9	120.7	150.9	223.6	194.5	153.2	121.9	118.5
87.5°	27.9	39.1	52.5	42.5	32.4	25.7	29.1	35.8	38.0	36.9	36.9
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)