

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: P641793

Luminaire Tested: GWS-SA6B-750-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-750-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19061 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

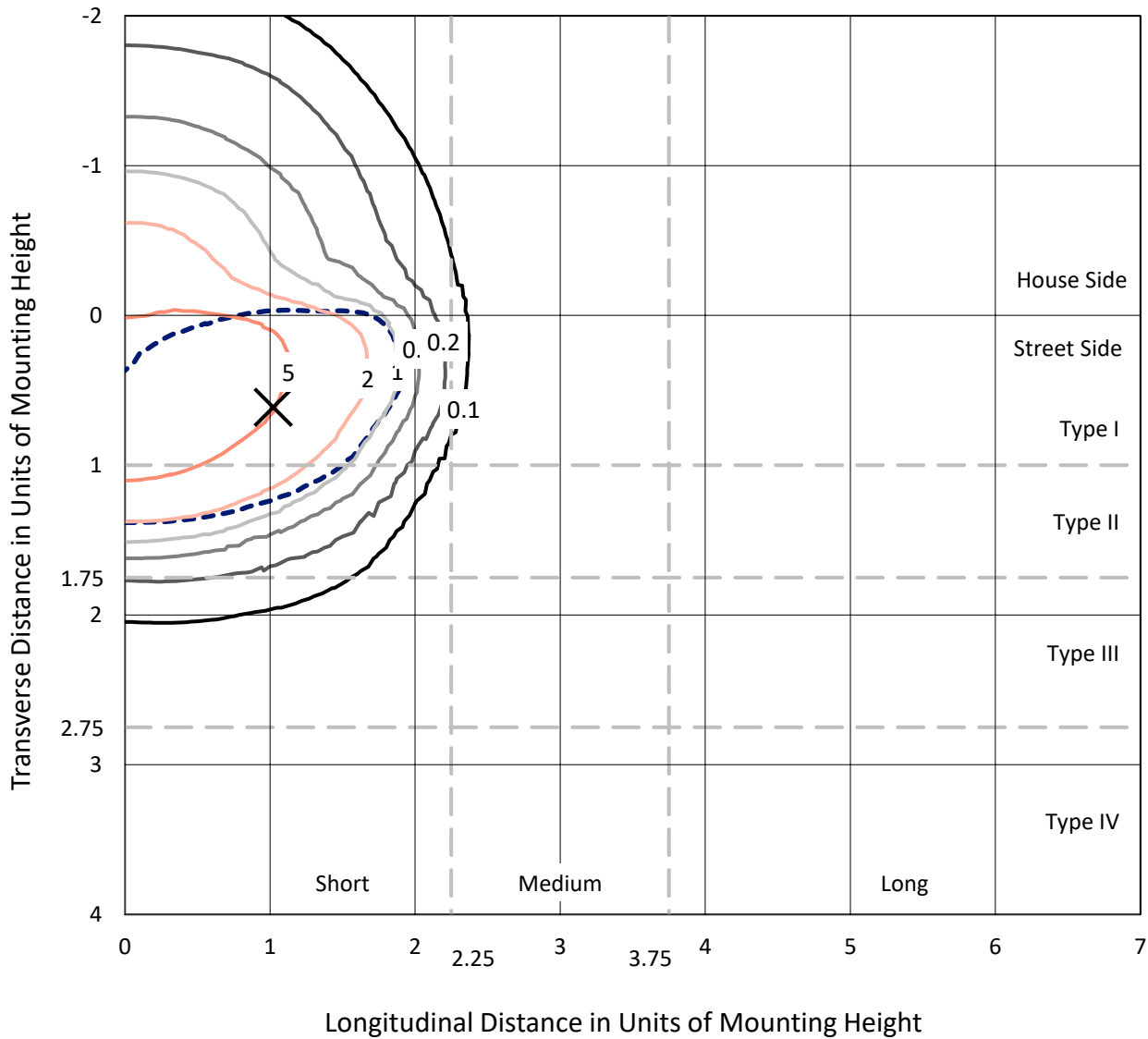
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

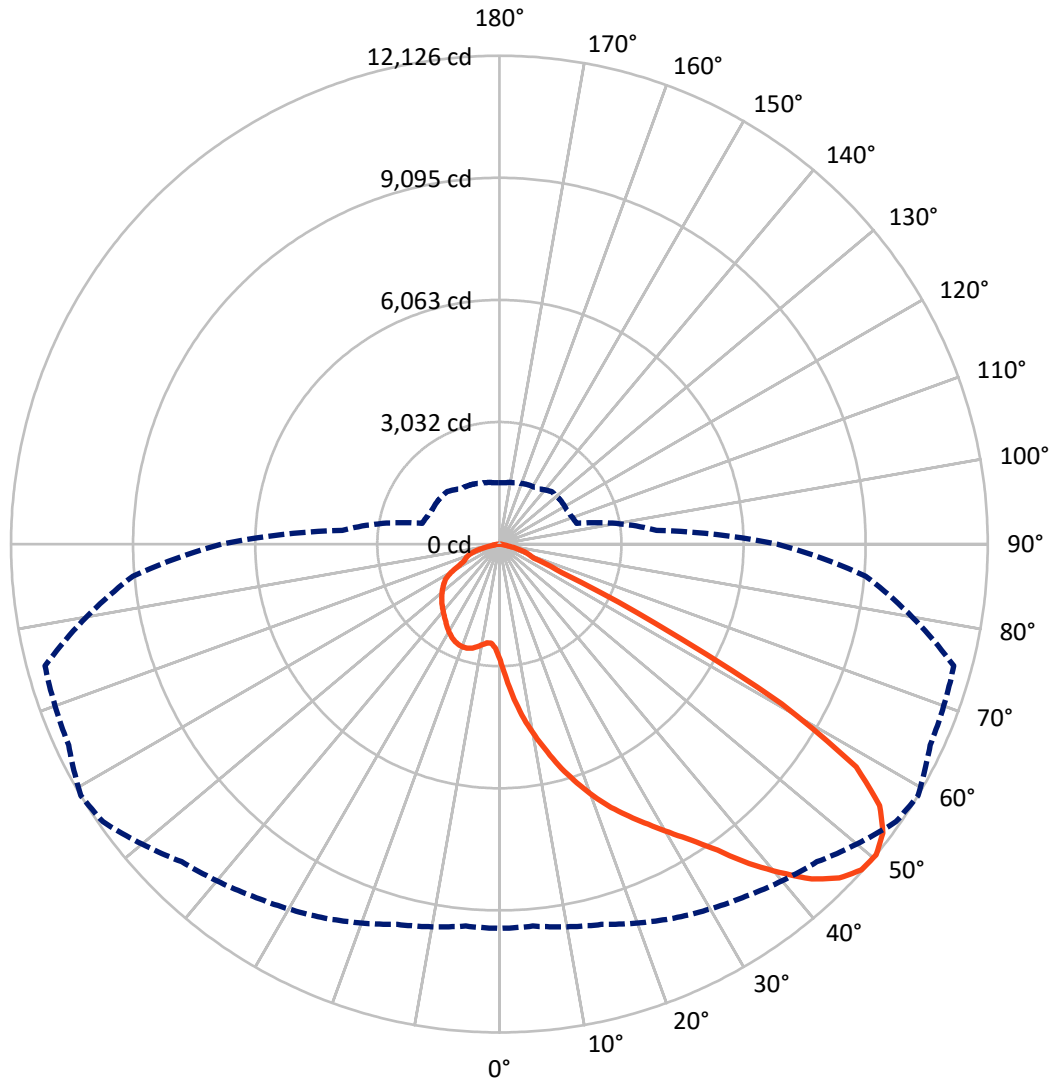
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4384.4	0.0	4384.4
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	14676.6	0.0	14676.6
	% Fixture	77.0	0.0	77.0
Total	Lumens	19061.0	0.0	19061.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.0	1.7
10°-20°	1176.1	6.2
20°-30°	2227.0	11.7
30°-40°	3693.1	19.4
40°-50°	5044.9	26.5
50°-60°	4579.5	24.0
60°-70°	1525.0	8.0
70°-80°	444.8	2.3
80°-90°	46.7	0.2
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°	19061.0	100.0
0°-180°	19061.0	100.0

Coefficient of Utilization



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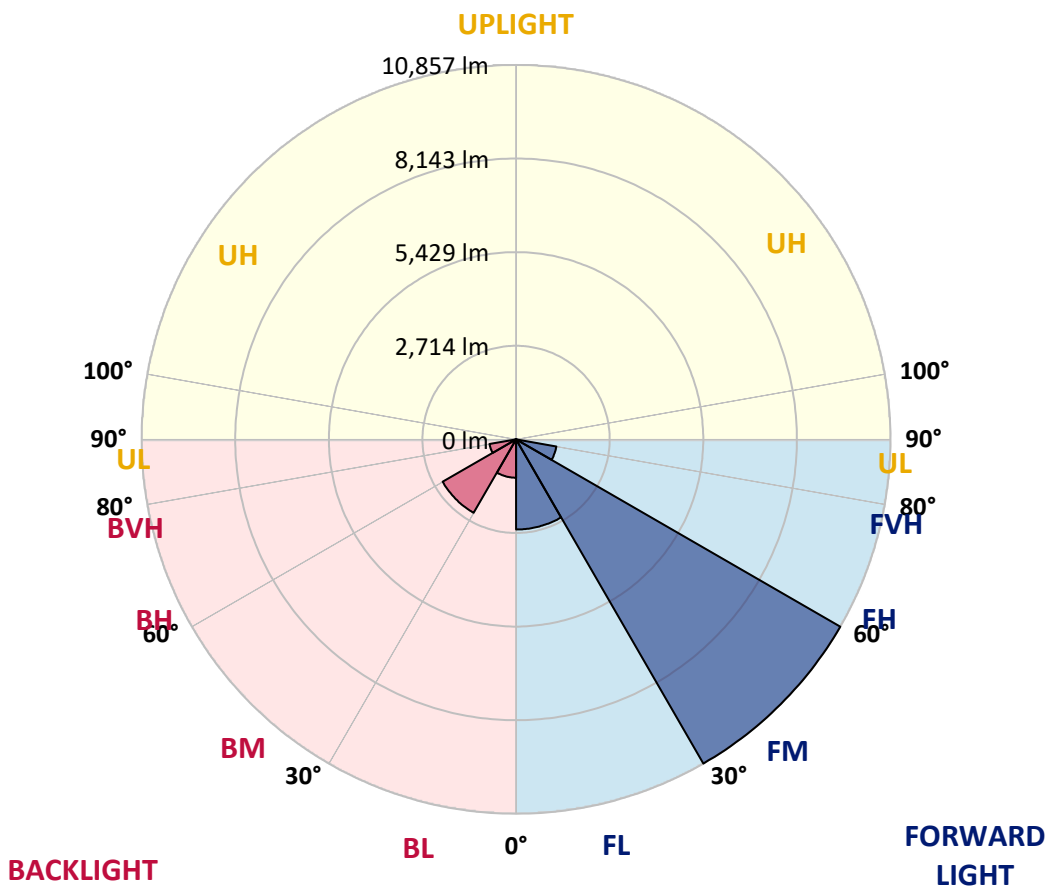
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2613.7	13.7			
FM (30°-60°)	10857.4	57.0			
FH (60°-80°)	1187.2	6.2			G1/1800
FVH (80°-90°)	18.3	0.1			G1/100
BL (0°-30°)	1113.3	5.8	B3/2500		
BM (30°-60°)	2460.1	12.9	B2/2500		
BH (60°-80°)	782.6	4.1	B2/1000		G2/1000
BVH (80°-90°)	28.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9
2.5°	3741.8	3769.8	3726.3	3729.4	3620.7	3571.0	3431.3	3349.0	3294.7	3142.5	3004.3
5°	4496.4	4463.8	4429.6	4409.4	4314.7	4181.2	4007.3	3869.1	3741.8	3443.7	3156.5
7.5°	4959.1	4942.0	4918.7	4906.3	4813.1	4673.4	4499.5	4381.5	4196.7	3793.1	3341.2
10°	5351.9	5331.7	5317.7	5327.0	5251.0	5160.9	4971.5	4836.4	4628.4	4162.6	3564.8
12.5°	5656.2	5667.1	5671.7	5721.4	5688.8	5634.5	5438.8	5296.0	5064.7	4552.3	3827.2
15°	5896.9	5893.8	5948.1	6042.8	6095.6	6061.4	5904.6	5785.1	5502.5	4935.8	4109.8
17.5°	5952.8	5955.9	6041.3	6207.4	6379.7	6463.6	6375.1	6232.2	5952.8	5314.6	4403.2
20°	5997.8	6004.0	6092.5	6281.9	6533.4	6767.9	6781.9	6679.4	6438.7	5724.5	4701.3
22.5°	6281.9	6295.9	6319.2	6438.7	6665.4	6962.0	7125.0	7103.2	6901.4	6154.6	5022.7
25°	7028.7	6986.8	6873.5	6839.3	6926.2	7166.9	7444.8	7486.7	7387.4	6628.1	5369.0
27.5°	7951.0	7905.9	7738.3	7561.3	7373.4	7457.2	7753.8	7879.6	7881.1	7149.8	5716.8
30°	8787.8	8752.1	8615.5	8362.4	8037.9	7916.8	8135.7	8305.0	8405.9	7752.2	6112.7
32.5°	9503.6	9471.0	9286.2	9079.7	8763.0	8519.2	8598.4	8761.4	8997.4	8531.7	6604.9
35°	10106.0	10073.4	9896.4	9688.4	9394.9	9249.0	9221.0	9332.8	9638.7	9345.2	7170.0
37.5°	10595.1	10562.5	10377.7	10182.1	9958.5	9967.8	10009.8	10064.1	10239.5	10216.3	7774.0
40°	10911.8	10877.7	10745.7	10606.0	10464.7	10576.5	10784.5	10719.3	10812.5	10919.6	8329.8
42.5°	11053.1	11009.6	10933.6	10902.5	10859.0	11032.9	11433.5	11368.3	11256.5	11388.5	8742.8
45°	10911.8	10874.6	10873.0	10967.7	11068.6	11292.2	11882.2	11829.4	11546.8	11615.2	8989.7
47.5°	10478.6	10446.0	10534.5	10783.0	11031.4	11357.4	12082.5	12091.8	11753.3	11709.9	9149.6
50°	9542.4	9520.7	9776.9	10247.3	10675.8	11154.0	12018.8	12126.0	11803.0	11680.4	9129.4
52.5°	7638.9	7739.8	8297.2	9082.8	9915.0	10796.9	11782.8	11922.6	11563.9	11486.3	9020.7
55°	5229.2	5275.8	5833.2	6980.6	8300.3	10023.7	11241.0	11456.8	11281.3	11453.7	9134.1
57.5°	2707.8	2745.0	3184.4	4202.9	5629.8	7921.5	9736.5	10444.5	10711.5	11618.3	9486.5
60°	1111.7	1142.7	1324.4	1816.6	2839.7	4612.8	7007.0	8056.6	8683.8	10610.6	8424.5
62.5°	807.4	822.9	909.8	1083.7	1487.4	2260.6	3965.4	4352.0	4792.9	6649.9	5348.8
65°	680.0	697.1	767.0	872.6	1085.3	1386.5	1693.9	1703.2	1877.1	2709.3	1982.7
67.5°	569.8	585.3	647.4	737.5	877.2	984.4	909.8	911.4	908.3	982.8	950.2
70°	444.0	456.5	518.6	614.8	687.8	631.9	711.1	787.2	754.6	784.1	829.1
72.5°	324.5	338.5	392.8	465.8	447.2	450.3	576.0	653.7	635.0	667.6	709.5
75°	234.4	243.8	271.7	232.9	245.3	296.6	405.2	447.2	465.8	493.7	531.0
77.5°	76.1	76.1	85.4	107.1	133.5	164.6	206.5	223.6	251.5	282.6	309.0
80°	38.8	40.4	48.1	59.0	74.5	94.7	121.1	128.9	142.8	159.9	170.8
82.5°	18.6	20.2	23.3	29.5	38.8	49.7	66.8	74.5	83.8	94.7	102.5
85°	4.7	4.7	6.2	9.3	12.4	18.6	24.8	29.5	37.3	45.0	49.7
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	4.7	6.2	7.8	9.3	12.4
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°	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9	2887.9
2.5°	2942.2	2855.3	2743.5	2648.8	2561.8	2495.1	2437.6	2409.7	2383.3	2364.6	2370.9
5°	3023.0	2873.9	2665.9	2521.5	2433.0	2387.9	2356.9	2341.4	2338.2	2325.8	2321.2
7.5°	3141.0	2928.2	2650.3	2504.4	2445.4	2422.1	2405.0	2395.7	2400.4	2387.9	2383.3
10°	3286.9	3018.3	2689.1	2560.3	2509.0	2492.0	2473.3	2460.9	2454.7	2436.1	2433.0
12.5°	3468.6	3130.1	2759.0	2631.7	2580.5	2551.0	2526.1	2504.4	2490.4	2467.1	2460.9
15°	3664.2	3254.3	2841.3	2701.6	2641.0	2597.5	2557.2	2524.6	2499.7	2468.7	2464.0
17.5°	3876.9	3384.7	2909.6	2749.7	2672.1	2614.6	2555.6	2507.5	2473.3	2433.0	2428.3
20°	4098.9	3516.7	2960.8	2773.0	2673.6	2596.0	2516.8	2453.1	2409.7	2369.3	2366.2
22.5°	4328.7	3637.8	2991.9	2766.8	2648.8	2552.5	2457.8	2386.4	2335.1	2287.0	2283.9
25°	4560.0	3754.2	2999.7	2741.9	2599.1	2487.3	2392.6	2308.7	2251.3	2197.0	2190.7
27.5°	4794.5	3852.1	2981.0	2692.2	2532.3	2411.2	2316.5	2234.2	2175.2	2120.9	2111.6
30°	5044.5	3935.9	2940.7	2627.0	2454.7	2330.5	2237.3	2175.2	2119.3	2065.0	2055.7
32.5°	5311.5	4008.9	2883.2	2547.9	2364.6	2249.7	2181.4	2125.5	2069.6	2021.5	2012.2
35°	5629.8	4057.0	2797.8	2445.4	2280.8	2190.7	2144.2	2079.0	2010.6	1957.9	1953.2
37.5°	5959.0	4094.3	2695.4	2347.6	2207.8	2156.6	2117.8	2029.3	1943.9	1880.2	1872.5
40°	6277.2	4125.3	2568.0	2256.0	2141.1	2131.7	2079.0	1968.7	1821.2	1749.8	1743.6
42.5°	6573.8	4134.6	2434.5	2158.1	2080.5	2075.9	2016.9	1846.1	1732.7	1687.7	1681.5
45°	6777.2	4126.9	2296.3	2066.5	2020.0	1995.1	1933.0	1757.6	1687.7	1647.3	1639.6
47.5°	6927.8	4086.5	2141.1	1970.3	1951.6	1917.5	1784.0	1701.7	1636.5	1596.1	1588.3
50°	6901.4	3918.8	1984.3	1877.1	1869.4	1839.9	1675.3	1631.8	1574.4	1530.9	1524.7
52.5°	6764.8	3600.5	1824.3	1774.6	1790.2	1732.7	1597.6	1548.0	1498.3	1448.6	1437.7
55°	6798.9	3370.7	1703.2	1675.3	1703.2	1572.8	1510.7	1457.9	1411.3	1363.2	1353.9
57.5°	6948.0	3144.1	1574.4	1568.1	1597.6	1450.1	1398.9	1332.1	1265.4	1226.6	1226.6
60°	5834.8	2291.7	1347.7	1363.2	1430.0	1350.8	1305.8	1237.4	1164.5	1130.3	1130.3
62.5°	3449.9	1437.7	1117.9	1100.8	1142.7	1192.4	1217.3	1161.4	1074.4	1029.4	1030.9
65°	1520.0	1046.5	985.9	971.9	959.5	993.7	1062.0	1066.7	975.0	922.3	923.8
67.5°	936.2	947.1	922.3	911.4	900.5	894.3	888.1	891.2	866.4	818.2	816.7
70°	844.6	874.1	857.0	847.7	833.8	822.9	785.6	725.1	683.2	670.7	684.7
72.5°	726.6	767.0	757.7	753.0	735.9	709.5	659.9	600.9	551.2	520.1	526.3
75°	548.1	580.7	585.3	586.9	568.3	543.4	492.2	442.5	399.0	366.4	374.2
77.5°	315.2	333.8	338.5	343.1	329.2	319.8	285.7	250.0	226.7	192.5	201.8
80°	175.4	183.2	183.2	184.8	177.0	166.1	142.8	122.7	111.8	96.3	97.8
82.5°	105.6	108.7	110.2	111.8	107.1	96.3	79.2	65.2	59.0	51.2	49.7
85°	51.2	54.3	54.3	55.9	48.1	41.9	32.6	24.8	21.7	15.5	17.1
87.5°	12.4	14.0	14.0	12.4	10.9	7.8	4.7	1.6	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)