

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: P634376

Luminaire Tested: GWS-SA3B-750-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-750-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9328.3 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - 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

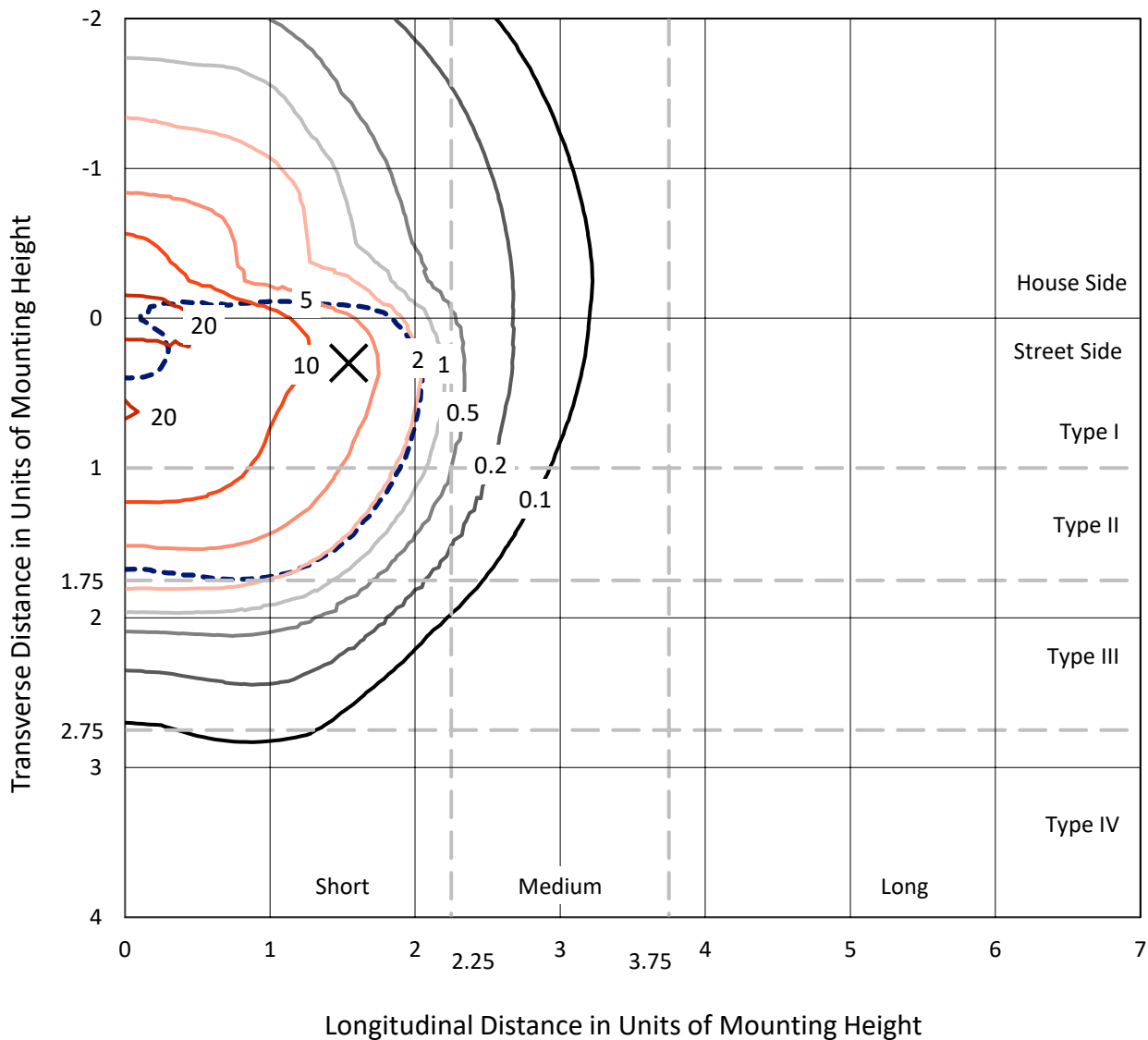


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Iso-Footcandle Lines of Horizontal Illumination

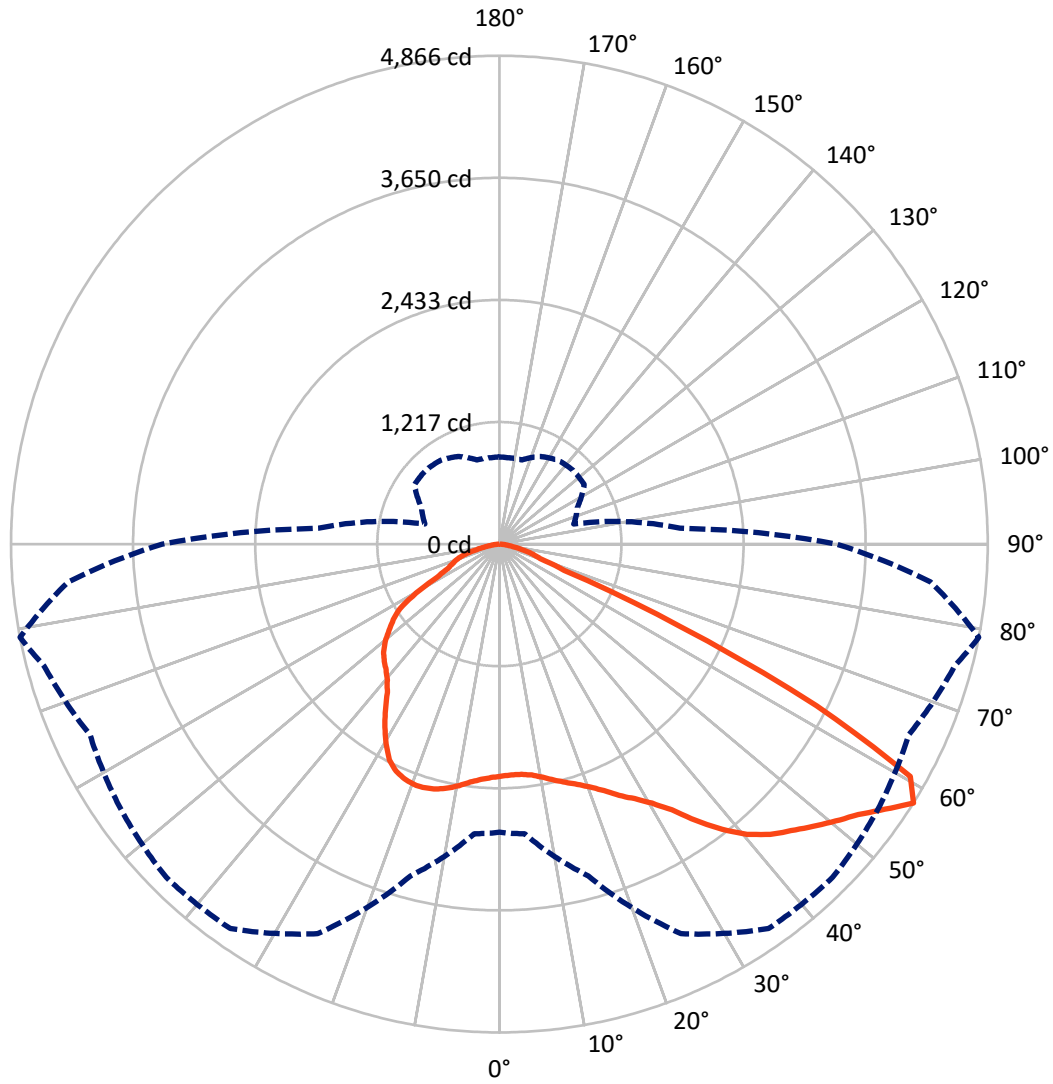
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2772.9	0.0	2772.9
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	6555.4	0.0	6555.4
	% Fixture	70.3	0.0	70.3
Total	Lumens	9328.3	0.0	9328.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.1	2.3
10°-20°	595.0	6.4
20°-30°	1008.5	10.8
30°-40°	1543.6	16.5
40°-50°	2058.2	22.1
50°-60°	2377.1	25.5
60°-70°	1235.2	13.2
70°-80°	262.6	2.8
80°-90°	34.0	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°	9328.3	100.0
0°-180°	9328.3	100.0

Coefficient of Utilization



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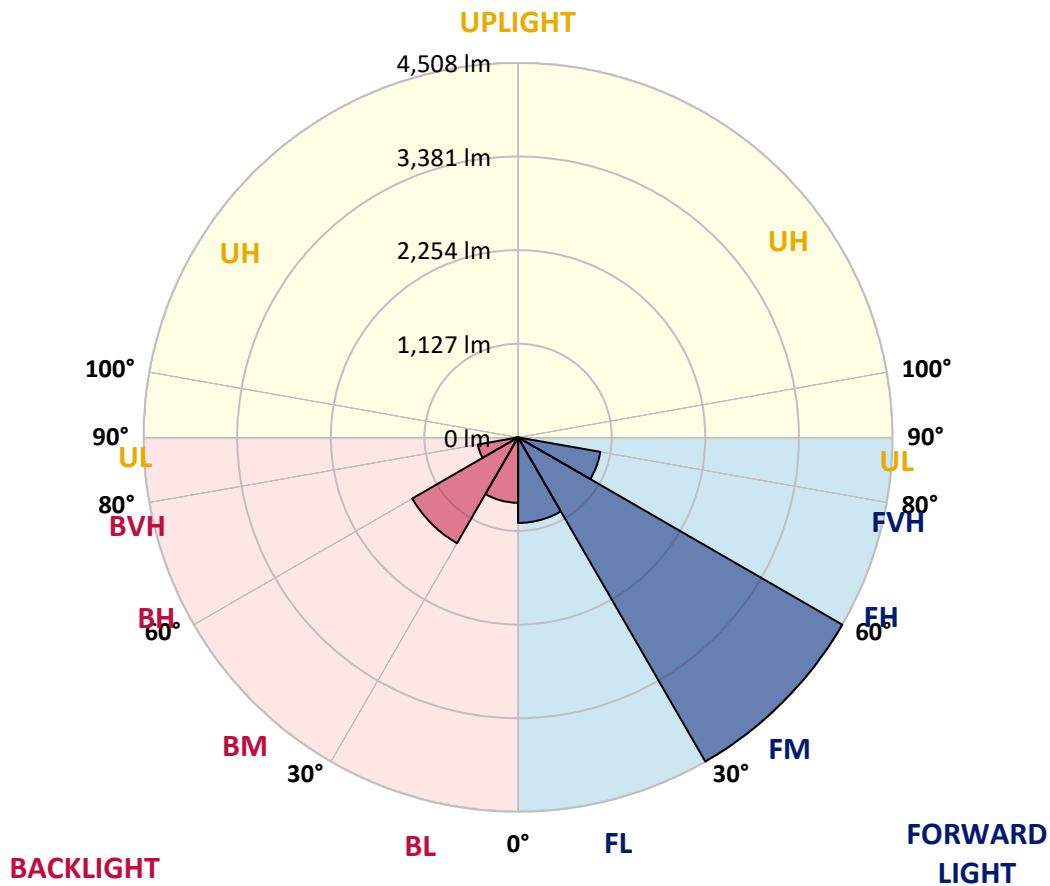
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1030.1	11.0			
FM (30°-60°)	4507.7	48.3			
FH (60°-80°)	1005.8	10.8			G1/1800
FVH (80°-90°)	11.9	0.1			G1/100
BL (0°-30°)	787.5	8.4	B2/1000		
BM (30°-60°)	1471.3	15.8	B2/2500		
BH (60°-80°)	492.0	5.3	B1/500		G1/500
BVH (80°-90°)	22.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8
2.5°	2206.5	2201.9	2203.5	2209.6	2232.4	2249.2	2266.8	2282.8	2298.0	2302.6	2306.4
5°	2128.0	2119.6	2121.9	2131.8	2158.5	2186.7	2218.0	2256.1	2292.7	2304.9	2320.9
7.5°	2072.3	2070.8	2074.6	2089.8	2118.0	2144.7	2185.2	2239.3	2302.6	2323.2	2351.4
10°	1998.3	1995.2	2010.5	2041.8	2088.3	2131.0	2179.1	2243.1	2331.6	2362.1	2405.6
12.5°	1939.6	1938.0	1954.1	1997.5	2057.0	2124.9	2191.3	2263.0	2370.5	2412.4	2465.8
15°	1973.9	1967.0	1967.8	1998.3	2051.7	2131.8	2221.8	2298.8	2409.4	2462.8	2531.4
17.5°	2073.8	2061.6	2052.4	2057.8	2088.3	2171.4	2268.3	2346.9	2454.4	2516.9	2600.8
20°	2211.9	2205.0	2179.8	2163.0	2169.9	2243.1	2341.5	2414.7	2513.1	2583.3	2673.3
22.5°	2397.2	2380.4	2346.1	2319.4	2298.8	2356.0	2446.8	2510.1	2594.7	2668.0	2761.8
25°	2626.8	2602.4	2548.2	2506.3	2462.0	2520.8	2601.6	2649.6	2706.9	2774.7	2864.0
27.5°	2860.9	2840.3	2780.1	2723.6	2668.7	2705.3	2801.4	2828.9	2822.8	2872.4	2948.6
30°	3110.3	3084.4	3027.2	2966.2	2895.2	2918.9	3005.1	3018.8	2954.0	2995.2	3047.0
32.5°	3373.5	3348.3	3298.7	3227.8	3147.7	3156.8	3180.5	3193.5	3131.7	3155.3	3195.0
35°	3641.2	3617.5	3567.2	3497.0	3438.3	3382.6	3323.1	3375.0	3339.1	3384.9	3381.8
37.5°	3886.0	3862.4	3831.1	3776.9	3676.3	3566.4	3429.1	3493.2	3548.9	3606.8	3596.9
40°	4051.5	4035.5	4043.1	4034.7	3905.1	3687.7	3481.0	3551.2	3702.9	3802.1	3796.8
42.5°	4194.1	4178.1	4222.4	4254.4	4101.8	3799.8	3506.2	3573.3	3801.3	3956.2	3948.5
45°	4257.4	4252.9	4326.1	4427.5	4281.8	3918.8	3571.0	3619.1	3876.1	4074.4	4045.4
47.5°	4181.9	4197.9	4342.1	4513.7	4431.3	4059.9	3703.7	3715.9	3973.7	4202.5	4120.9
50°	4031.7	4066.8	4261.3	4516.0	4540.4	4219.3	3887.5	3857.0	4104.9	4339.0	4160.6
52.5°	3812.8	3849.4	4166.7	4498.5	4602.9	4403.9	4132.4	4088.9	4270.4	4475.6	4167.4
55°	3310.2	3359.7	3950.1	4458.8	4664.0	4571.7	4408.5	4320.0	4484.0	4663.2	4235.3
57.5°	2871.6	2897.5	3422.3	4282.6	4676.2	4695.2	4605.2	4500.0	4696.0	4866.1	4311.6
60°	2107.4	2113.5	2585.6	3543.5	4301.7	4623.5	4589.2	4432.9	4595.3	4703.6	3962.3
62.5°	1190.6	1191.4	1568.1	2365.2	3213.3	3768.5	3789.9	3651.8	3515.3	3547.4	2758.0
65°	446.9	488.9	716.2	1162.4	1852.6	2224.8	2313.3	2345.3	2118.0	1976.9	1478.9
67.5°	299.0	308.9	418.0	598.0	824.5	951.9	1064.7	1067.8	781.0	696.4	582.7
70°	228.0	238.0	328.7	427.9	418.0	385.9	417.2	405.8	419.5	430.9	443.1
72.5°	170.1	180.0	254.7	302.0	250.9	247.1	279.9	311.2	340.2	352.4	371.4
75°	112.9	120.5	171.6	161.7	138.8	164.0	204.4	235.7	252.5	266.9	281.4
77.5°	71.7	77.0	91.5	74.0	77.0	96.1	119.0	147.2	163.2	177.7	185.3
80°	32.8	32.0	31.3	35.1	43.5	56.4	71.7	88.5	100.7	106.8	111.4
82.5°	13.0	14.5	16.0	19.1	23.6	30.5	40.4	51.9	61.8	63.3	67.1
85°	5.3	6.1	6.9	8.4	10.7	13.7	16.8	23.6	29.7	32.0	34.3
87.5°	0.0	0.0	0.0	0.0	0.8	1.5	2.3	3.8	6.9	7.6	8.4
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°	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8	2311.8
2.5°	2327.0	2317.1	2333.9	2345.3	2356.0	2344.6	2340.8	2330.8	2329.3	2329.3	2334.6
5°	2348.4	2341.5	2359.1	2365.9	2365.2	2340.0	2324.7	2304.9	2295.0	2295.0	2296.5
7.5°	2386.5	2382.7	2392.6	2381.9	2357.5	2306.4	2256.1	2214.1	2185.9	2171.4	2176.0
10°	2449.8	2445.2	2436.9	2397.2	2327.0	2221.0	2118.0	2041.8	1996.0	1970.1	1971.6
12.5°	2511.6	2504.0	2474.2	2386.5	2242.4	2073.8	1938.8	1853.4	1803.0	1772.5	1765.7
15°	2579.5	2559.6	2495.6	2331.6	2104.3	1893.8	1752.7	1660.4	1606.3	1588.0	1587.2
17.5°	2644.3	2609.2	2493.3	2234.0	1938.8	1705.4	1563.6	1506.3	1497.2	1505.6	1507.9
20°	2709.9	2653.5	2468.1	2099.0	1742.0	1517.8	1444.6	1468.2	1502.5	1525.4	1530.8
22.5°	2777.8	2690.1	2410.9	1925.1	1534.6	1391.2	1421.7	1473.6	1516.3	1546.8	1549.8
25°	2854.1	2724.4	2325.5	1712.3	1368.3	1356.1	1416.3	1471.3	1517.0	1552.1	1558.2
27.5°	2897.5	2725.2	2205.8	1493.4	1292.0	1342.4	1403.4	1455.2	1501.0	1539.1	1546.0
30°	2940.2	2704.6	2015.8	1315.7	1269.9	1326.3	1381.3	1429.3	1472.8	1510.2	1518.6
32.5°	3000.5	2685.5	1796.9	1213.5	1256.9	1311.1	1356.1	1398.8	1432.4	1449.1	1453.7
35°	3075.2	2661.1	1564.3	1169.2	1248.6	1298.9	1338.6	1361.4	1318.0	1308.8	1318.7
37.5°	3179.7	2638.2	1332.5	1150.2	1243.2	1294.3	1329.4	1270.7	1217.3	1195.9	1203.6
40°	3292.6	2625.2	1175.3	1134.9	1245.5	1298.9	1291.3	1204.3	1127.3	1082.3	1080.8
42.5°	3388.7	2605.4	1074.7	1125.0	1251.6	1316.4	1239.4	1145.6	1031.2	1004.5	1005.2
45°	3453.5	2555.1	1021.3	1114.3	1256.9	1320.2	1215.0	1064.7	983.1	966.4	965.6
47.5°	3480.2	2463.5	986.9	1097.5	1256.2	1289.0	1165.4	1031.2	949.6	945.0	948.0
50°	3462.7	2313.3	951.9	1064.7	1237.9	1256.2	1108.2	1001.4	926.7	951.9	970.2
52.5°	3397.9	2118.8	909.9	1019.7	1205.1	1218.8	1079.2	983.1	909.9	943.5	958.0
55°	3381.1	1960.9	856.5	961.0	1156.3	1152.5	1048.7	974.0	898.5	885.5	887.8
57.5°	3359.0	1806.9	768.0	855.8	1032.7	1038.8	1019.7	963.3	868.7	864.9	868.7
60°	2918.1	1385.1	684.9	738.3	848.1	880.9	986.9	943.5	820.7	804.7	803.9
62.5°	1906.0	839.0	609.4	643.7	691.0	729.1	900.0	886.3	768.0	758.1	765.0
65°	1025.1	598.0	554.5	575.1	601.0	630.0	745.9	789.4	694.1	659.0	659.7
67.5°	524.0	508.7	513.3	527.8	547.6	562.1	601.8	639.9	591.9	562.1	561.4
70°	448.5	460.7	467.5	475.9	488.9	486.6	490.4	497.3	493.5	479.0	478.2
72.5°	382.1	401.2	402.7	404.2	408.8	398.1	391.3	379.8	380.6	382.9	383.6
75°	290.6	308.9	313.5	311.2	315.8	302.0	292.9	281.4	267.7	265.4	266.9
77.5°	189.2	203.6	210.5	209.0	211.3	200.6	196.0	183.8	167.8	161.7	161.7
80°	114.4	122.8	128.1	129.7	131.9	124.3	116.7	106.0	99.2	92.3	92.3
82.5°	69.4	74.7	78.6	78.6	80.8	72.5	66.4	58.7	55.7	49.6	49.6
85°	35.1	38.9	40.4	39.7	38.1	31.3	29.0	25.2	23.6	20.6	20.6
87.5°	8.4	10.7	10.7	7.6	7.6	3.8	2.3	0.8	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)