

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: P637333

Luminaire Tested: GWS-SA4C-750-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637333
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-750-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11794.7 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

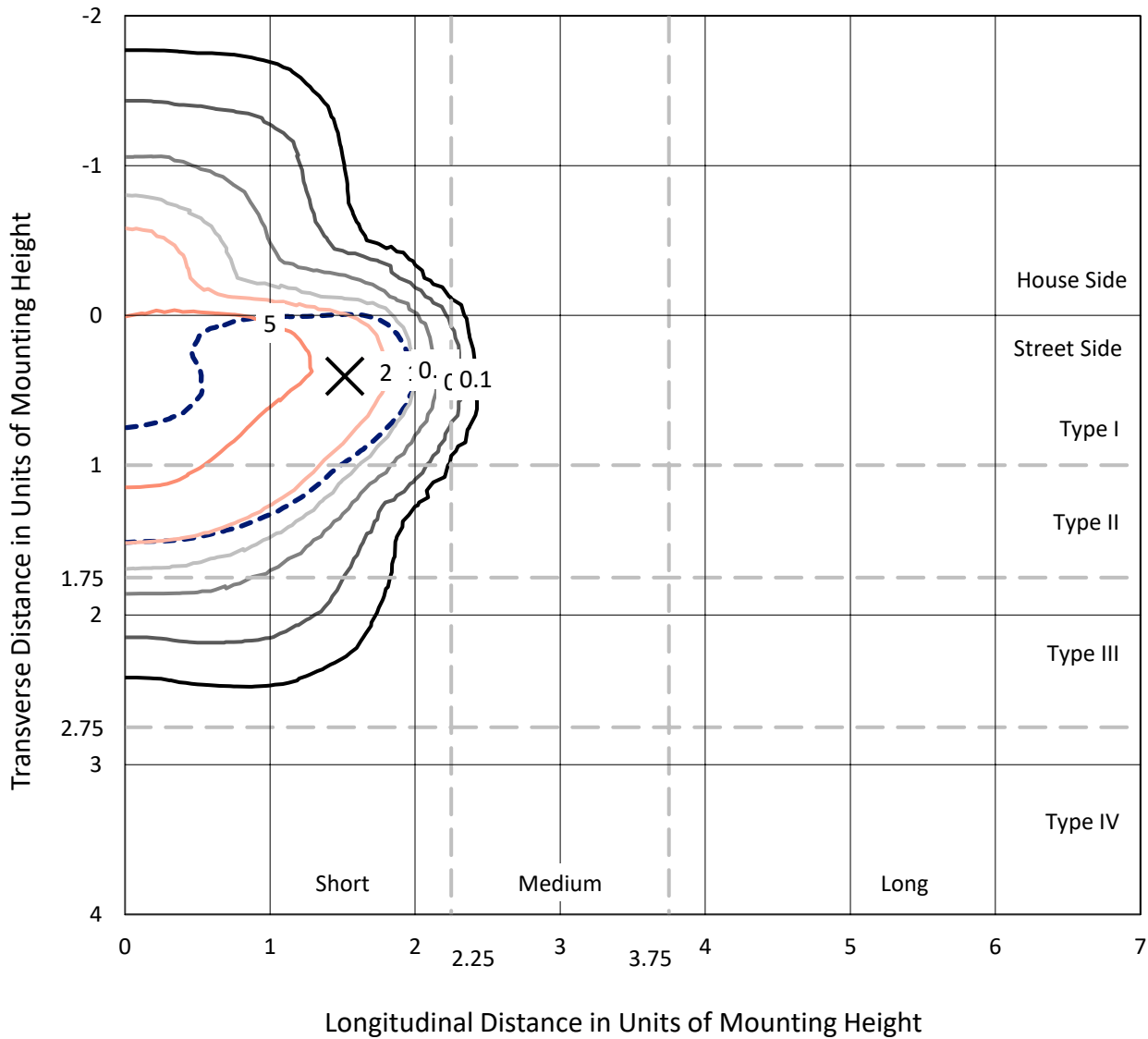
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637333
 CATALOG NUMBER: GWS-SA4C-750-U-T2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

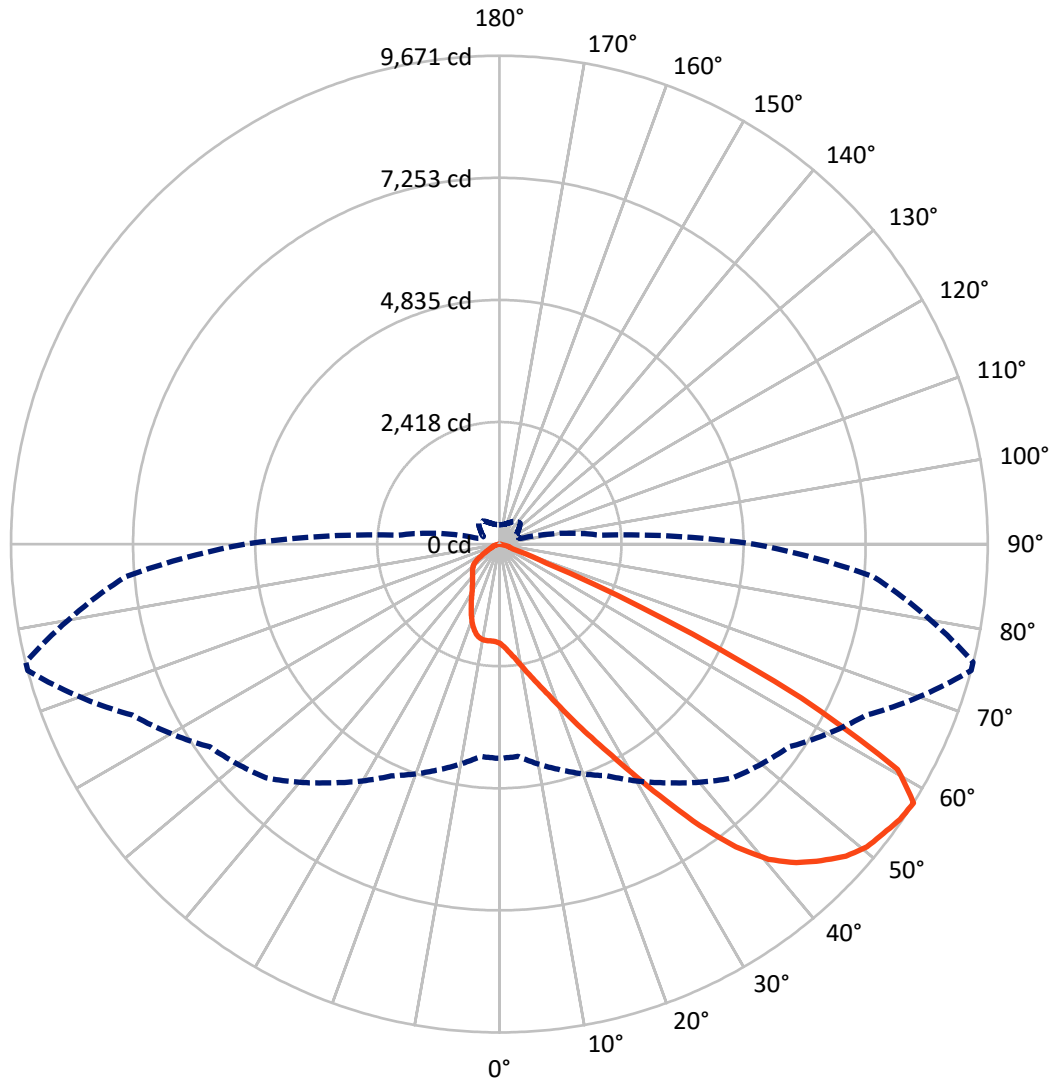
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Short - N/A

REPORT NUMBER: P637333
CATALOG NUMBER: GWS-SA4C-750-U-T2-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P637333
 CATALOG NUMBER: GWS-SA4C-750-U-T2-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1926.6	0.0	1926.6
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	9868.1	0.0	9868.1
	% Fixture	83.7	0.0	83.7
Total	Lumens	11794.7	0.0	11794.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.2	1.7
10°-20°	650.3	5.5
20°-30°	1190.8	10.1
30°-40°	1975.6	16.8
40°-50°	3017.3	25.6
50°-60°	3390.4	28.7
60°-70°	1250.5	10.6
70°-80°	119.5	1.0
80°-90°	0.1	0.0
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°	11794.7	100.0
0°-180°	11794.7	100.0

Coefficient of Utilization



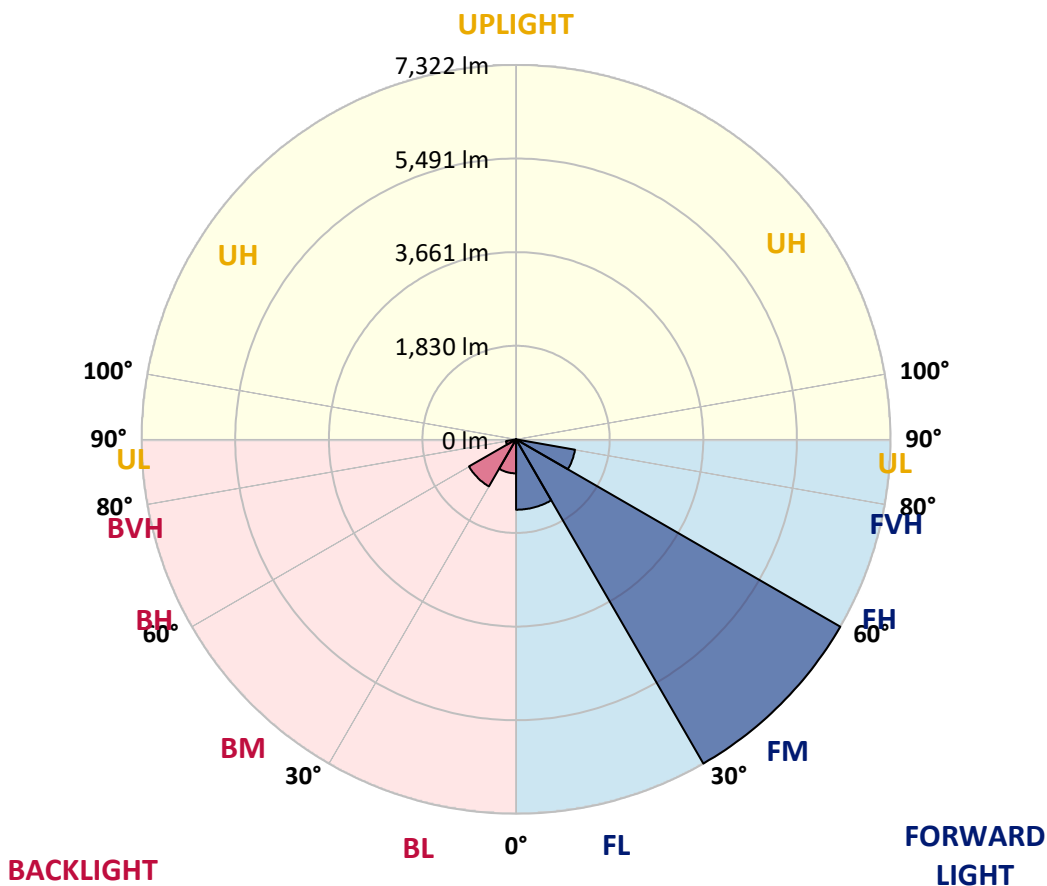
REPORT NUMBER: P637333

CATALOG NUMBER: GWS-SA4C-750-U-T2-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1376.4	11.7			
FM (30°-60°)	7321.6	62.1			
FH (60°-80°)	1170.0	9.9			G1/1800
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	664.8	5.6	B2/1000		
BM (30°-60°)	1061.7	9.0	B2/2500		
BH (60°-80°)	200.1	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
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





REPORT NUMBER: P637333

CATALOG NUMBER: GWS-SA4C-750-U-T2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1967.2	1967.2	1967.2	1967.2	1967.2	1967.2	1967.2	1967.2	1967.2	1967.2	1967.2
2.5°	2197.8	2220.6	2213.4	2199.2	2190.7	2160.8	2142.3	2088.2	2049.8	2045.5	2009.9
5°	2475.4	2471.1	2465.4	2448.3	2434.1	2387.1	2331.6	2240.5	2159.4	2149.4	2073.9
7.5°	2627.7	2630.5	2633.4	2630.5	2620.5	2585.0	2523.8	2417.0	2293.2	2284.6	2165.0
10°	2690.3	2696.0	2710.2	2737.3	2761.5	2758.6	2723.0	2613.4	2461.1	2446.9	2286.0
12.5°	2720.2	2727.3	2750.1	2801.3	2866.8	2918.0	2923.7	2825.5	2657.6	2634.8	2429.8
15°	2761.5	2768.6	2797.1	2864.0	2959.3	3060.4	3125.9	3063.2	2875.3	2851.1	2587.8
17.5°	2780.0	2789.9	2831.2	2919.5	3043.3	3198.5	3346.5	3340.8	3133.0	3114.5	2771.4
20°	2815.6	2822.7	2859.7	2955.1	3104.5	3328.0	3577.1	3666.8	3447.6	3420.5	2993.5
22.5°	2928.0	2930.9	2947.9	3007.7	3147.2	3421.9	3812.0	4046.8	3819.1	3783.5	3242.6
25°	3111.6	3110.2	3117.3	3127.3	3229.8	3517.3	4038.3	4475.3	4244.7	4206.3	3524.4
27.5°	3345.1	3345.1	3362.2	3333.7	3375.0	3635.5	4261.8	4967.8	4740.0	4686.0	3833.3
30°	3619.8	3618.4	3658.2	3612.7	3625.5	3821.9	4502.3	5504.4	5337.9	5271.0	4189.2
32.5°	3992.7	3984.2	4029.8	3967.1	3924.4	4103.8	4795.6	6065.3	6053.9	5951.4	4636.1
35°	4463.9	4449.7	4463.9	4402.7	4325.8	4498.1	5179.9	6624.7	6848.2	6740.0	5168.5
37.5°	4932.2	4977.8	4993.4	4888.1	4825.5	4997.7	5642.5	7125.7	7606.9	7494.4	5722.2
40°	5484.5	5470.3	5524.4	5406.2	5366.4	5557.1	6095.2	7498.7	8207.5	8100.8	6214.7
42.5°	5891.6	5917.2	5984.1	5918.7	5887.3	6066.7	6475.2	7716.5	8624.6	8519.3	6566.3
45°	6379.9	6398.4	6424.0	6369.9	6337.1	6513.7	6749.9	7811.8	8942.0	8828.2	6802.6
47.5°	6907.9	6922.2	6922.2	6811.2	6705.8	6778.4	6933.6	7865.9	9233.8	9124.2	6977.7
50°	7286.6	7293.7	7356.3	7278.0	7048.9	6936.4	7017.6	7918.6	9427.4	9324.9	7034.6
52.5°	6950.6	6942.1	7148.5	7310.8	7372.0	7148.5	7162.7	7995.5	9521.4	9433.1	7080.2
55°	5853.2	5838.9	6129.3	6523.6	7063.1	7349.2	7337.8	8041.0	9625.3	9571.2	7245.3
57.5°	4243.3	4219.1	4623.3	5061.7	5769.2	6545.0	7000.5	8015.4	9670.8	9666.6	7437.5
60°	2550.8	2530.9	2912.4	3373.5	3920.1	4700.2	5456.0	7179.8	9061.6	9070.1	6937.8
62.5°	1570.1	1588.6	1933.0	2167.9	2371.4	2606.3	3043.3	4829.7	6712.9	6768.4	4875.3
65°	1056.2	1070.4	1389.3	1685.4	1685.4	1377.9	1182.9	2308.8	3581.4	3487.4	2306.0
67.5°	708.9	724.5	976.5	1322.4	1372.2	960.8	479.7	688.9	997.8	967.9	570.8
70°	417.1	434.1	650.5	906.7	999.3	669.0	320.3	291.8	283.3	274.7	222.1
72.5°	186.5	193.6	331.7	461.2	421.3	281.8	226.3	233.4	220.6	216.4	180.8
75°	56.9	59.8	85.4	99.6	101.1	101.1	136.7	183.6	173.7	175.1	139.5
77.5°	14.2	14.2	22.8	21.4	11.4	10.0	25.6	41.3	42.7	38.4	28.5
80°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P637333

CATALOG NUMBER: GWS-SA4C-750-U-T2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1967.2	1967.2	1967.2	1967.2	1967.2	1967.2	1967.2	1967.2	1967.2	1967.2	1967.2
2.5°	1994.2	1957.2	1933.0	1898.9	1874.7	1849.0	1826.3	1807.8	1797.8	1795.0	1796.4
5°	2039.8	1981.4	1924.5	1859.0	1813.5	1770.8	1736.6	1709.5	1696.7	1692.5	1692.5
7.5°	2109.5	2028.4	1927.3	1824.8	1748.0	1681.1	1641.2	1611.3	1599.9	1597.1	1588.6
10°	2200.6	2089.6	1923.1	1763.6	1655.5	1585.7	1557.2	1548.7	1553.0	1554.4	1553.0
12.5°	2310.2	2153.7	1896.0	1674.0	1557.2	1514.5	1517.4	1540.2	1565.8	1578.6	1581.4
15°	2427.0	2212.0	1834.8	1567.2	1473.3	1471.8	1513.1	1565.8	1615.6	1637.0	1642.6
17.5°	2557.9	2259.0	1740.9	1453.3	1400.7	1441.9	1516.0	1597.1	1664.0	1699.6	1706.7
20°	2701.7	2297.4	1621.3	1346.6	1336.6	1410.6	1513.1	1612.8	1695.3	1735.2	1742.3
22.5°	2851.1	2324.5	1483.2	1248.4	1278.2	1375.0	1486.1	1582.9	1661.2	1706.7	1712.4
25°	3022.0	2327.3	1342.3	1165.8	1224.2	1326.6	1420.6	1500.3	1565.8	1605.6	1609.9
27.5°	3171.4	2293.2	1217.0	1098.9	1174.3	1266.9	1329.5	1373.6	1419.2	1441.9	1443.4
30°	3343.7	2233.4	1098.9	1044.8	1123.1	1192.8	1224.2	1234.1	1238.4	1242.7	1237.0
32.5°	3548.6	2160.8	1010.6	992.1	1064.7	1111.7	1120.2	1100.3	1076.1	1042.0	1033.4
35°	3800.6	2095.3	938.0	940.9	1000.7	1029.1	1022.0	979.3	932.4	891.1	884.0
37.5°	4073.9	2039.8	882.5	891.1	930.9	950.9	929.5	882.5	861.2	825.6	827.0
40°	4315.9	1994.2	832.7	841.3	859.8	878.3	844.1	812.8	852.6	849.8	852.6
42.5°	4488.1	1955.8	790.0	785.7	798.5	811.4	785.7	770.1	837.0	818.5	828.4
45°	4589.2	1920.2	754.4	728.8	748.7	771.5	754.4	734.5	757.3	671.9	664.7
47.5°	4657.5	1900.3	723.1	673.3	708.9	748.7	713.1	664.7	632.0	558.0	552.3
50°	4664.6	1890.3	686.1	616.3	661.9	704.6	663.3	596.4	549.4	516.7	512.4
52.5°	4701.6	1910.3	634.9	543.8	593.6	661.9	633.4	566.5	502.5	474.0	468.3
55°	4866.7	1994.2	549.4	444.1	516.7	629.2	609.2	505.3	444.1	427.0	422.8
57.5°	5037.5	2011.3	432.7	351.6	449.8	582.2	556.6	465.5	405.7	385.8	381.5
60°	4606.2	1656.9	324.5	290.4	397.1	538.1	515.3	441.3	371.5	347.3	343.0
62.5°	3026.2	895.3	257.6	246.3	334.5	455.5	469.7	398.6	331.7	306.0	304.6
65°	1395.0	415.6	197.9	195.0	261.9	363.0	404.3	348.7	280.4	257.6	257.6
67.5°	380.1	206.4	155.2	143.8	177.9	243.4	294.7	260.5	199.3	172.2	170.8
70°	189.3	166.5	139.5	123.8	128.1	150.9	173.7	145.2	101.1	82.6	81.1
72.5°	155.2	136.7	118.1	105.3	96.8	92.5	89.7	72.6	47.0	35.6	34.2
75°	115.3	98.2	84.0	68.3	58.4	54.1	48.4	35.6	19.9	11.4	10.0
77.5°	25.6	24.2	22.8	17.1	15.7	12.8	10.0	7.1	2.8	0.0	0.0
80°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)