

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: P637286

Luminaire Tested: GWS-SA4C-740-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637286
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-740-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11986.9 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

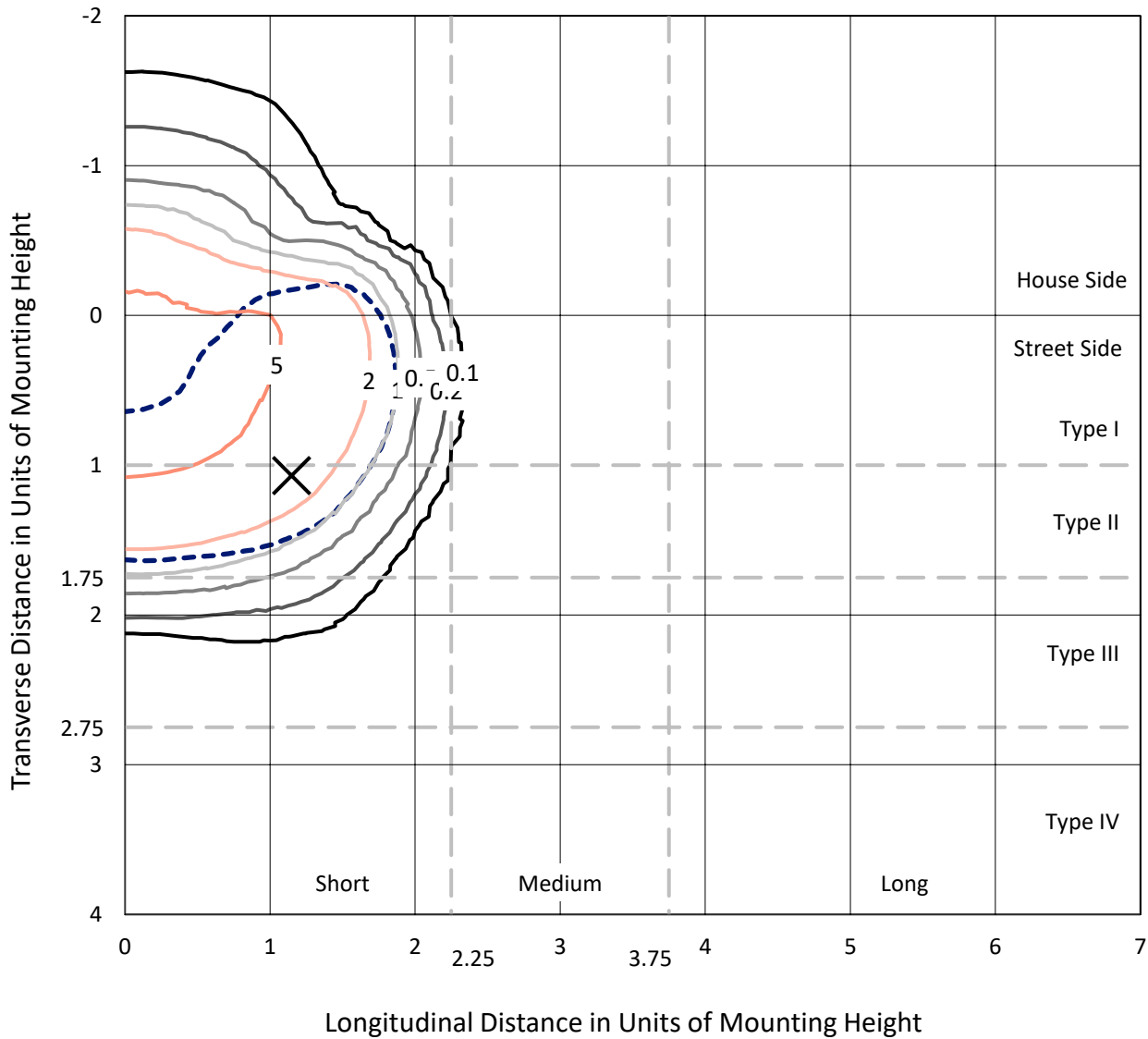
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637286
 CATALOG NUMBER: GWS-SA4C-740-U-T3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

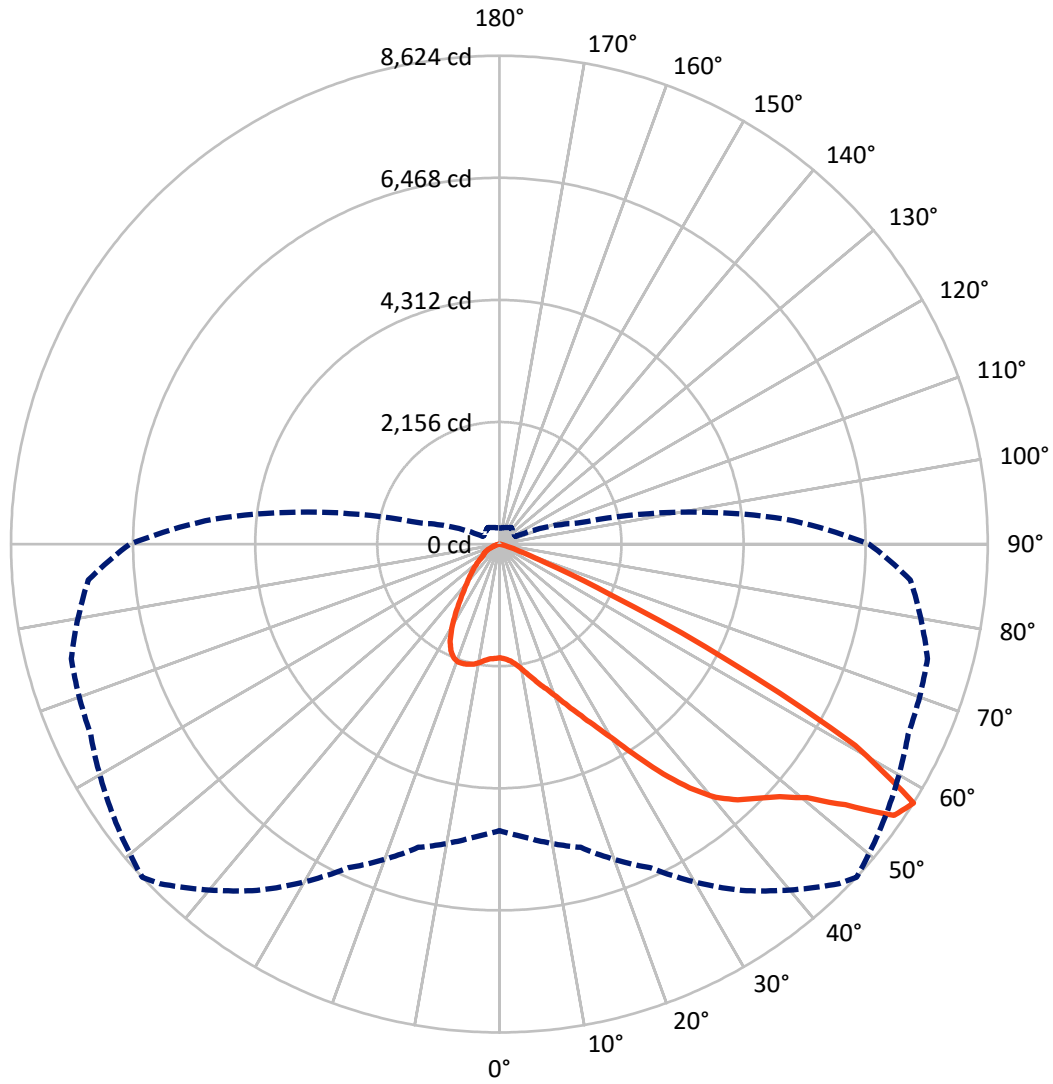
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Short - N/A

REPORT NUMBER: P637286
CATALOG NUMBER: GWS-SA4C-740-U-T3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P637286
 CATALOG NUMBER: GWS-SA4C-740-U-T3-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2600.6	0.0	2600.6
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	9386.4	0.0	9386.4
	% Fixture	78.3	0.0	78.3
Total	Lumens	11986.9	0.0	11986.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.6	1.7
10°-20°	673.6	5.6
20°-30°	1250.7	10.4
30°-40°	2002.2	16.7
40°-50°	2926.8	24.4
50°-60°	3612.1	30.1
60°-70°	1207.0	10.1
70°-80°	112.5	0.9
80°-90°	2.3	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°	11986.9	100.0
0°-180°	11986.9	100.0

Coefficient of Utilization



REPORT NUMBER: P637286

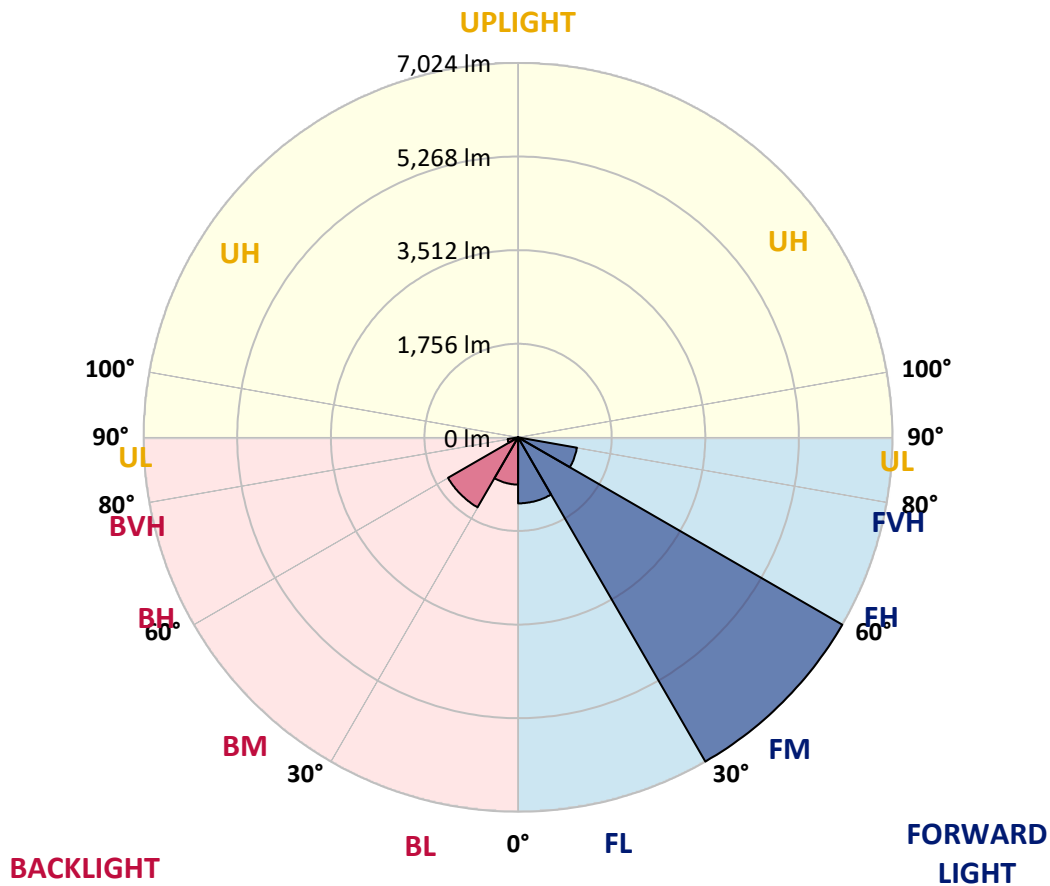
CATALOG NUMBER: GWS-SA4C-740-U-T3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1238.8	10.3			
FM (30°-60°)	7024.2	58.6			
FH (60°-80°)	1121.7	9.4			G1/1800
FVH (80°-90°)	1.6	0.0			G0/10
BL (0°-30°)	885.2	7.4	B2/1000		
BM (30°-60°)	1516.9	12.7	B2/2500		
BH (60°-80°)	197.7	1.6	B1/500		G1/500
BVH (80°-90°)	0.7	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: P637286

CATALOG NUMBER: GWS-SA4C-740-U-T3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2006.6	2006.6	2006.6	2006.6	2006.6	2006.6	2006.6	2006.6	2006.6	2006.6	2006.6
2.5°	2027.5	2026.1	2024.7	2033.1	2030.3	2028.9	2031.7	2031.7	2031.7	2023.3	2006.6
5°	2076.2	2076.2	2074.8	2083.2	2076.2	2072.0	2073.4	2073.4	2067.8	2052.5	2031.7
7.5°	2152.7	2149.9	2147.2	2155.5	2148.6	2147.2	2149.9	2141.6	2131.9	2106.8	2077.6
10°	2262.7	2262.7	2258.5	2266.8	2261.3	2258.5	2258.5	2252.9	2234.8	2195.9	2152.7
12.5°	2414.3	2407.4	2397.6	2390.7	2387.9	2386.5	2387.9	2379.6	2360.1	2310.0	2250.1
15°	2579.9	2574.4	2559.1	2547.9	2532.6	2529.8	2538.2	2531.2	2511.8	2443.6	2358.7
17.5°	2788.7	2795.6	2756.7	2733.0	2688.5	2685.7	2688.5	2699.6	2685.7	2598.0	2474.2
20°	2966.8	2972.4	2943.1	2926.4	2886.1	2868.0	2873.6	2891.6	2876.3	2773.4	2600.8
22.5°	3157.4	3164.4	3133.8	3099.0	3080.9	3080.9	3101.8	3126.8	3105.9	2971.0	2745.5
25°	3385.6	3391.2	3366.2	3320.2	3288.2	3328.6	3359.2	3426.0	3391.2	3207.5	2916.7
27.5°	3647.3	3648.7	3612.5	3565.2	3548.5	3623.6	3654.2	3757.2	3743.3	3473.3	3097.6
30°	3927.0	3928.4	3920.0	3888.0	3872.7	3971.5	4013.2	4162.1	4152.4	3803.1	3343.9
32.5°	4217.8	4217.8	4233.1	4230.3	4248.4	4409.8	4476.6	4646.4	4636.7	4206.7	3650.0
35°	4510.0	4511.4	4537.9	4604.7	4679.8	4894.1	4981.8	5187.7	5165.4	4689.5	4041.1
37.5°	4842.6	4828.7	4864.9	4965.1	5132.0	5379.7	5463.2	5659.4	5634.4	5183.5	4551.8
40°	5243.4	5218.3	5218.3	5335.2	5524.5	5809.7	5880.7	5978.1	5893.2	5582.9	5052.7
42.5°	5685.9	5662.2	5631.6	5734.6	5893.2	6115.9	6174.3	6147.9	6078.3	5960.0	5623.3
45°	6134.0	6097.8	6118.7	6181.3	6273.1	6378.9	6401.1	6278.7	6246.7	6280.1	6095.0
47.5°	6474.9	6449.8	6501.3	6589.0	6664.1	6679.5	6664.1	6494.4	6491.6	6609.9	6422.0
50°	6589.0	6591.8	6733.7	6925.8	7046.8	7059.4	7038.5	6843.7	6817.2	6852.0	6598.7
52.5°	6600.1	6611.3	6818.6	7184.6	7514.4	7664.7	7648.0	7437.9	7179.0	7141.5	6865.9
55°	6331.6	6397.0	6686.4	7220.8	7922.1	8402.2	8457.9	8055.7	7671.6	7639.6	7440.6
57.5°	5061.1	5194.7	5543.9	6305.1	7467.1	8478.7	8623.5	8334.0	7962.5	7826.1	7286.2
60°	3025.2	3190.8	3526.2	4459.9	5683.1	6968.9	7218.0	7258.3	7087.2	6693.4	5589.9
62.5°	1298.3	1284.4	1697.7	2413.0	3380.1	4429.3	4542.0	4717.4	4866.3	4454.4	3392.6
65°	445.3	484.3	673.5	1088.2	1692.1	2056.7	2156.9	2314.2	2525.7	2084.5	1242.7
67.5°	275.5	292.2	388.2	642.9	912.9	898.9	854.4	829.4	807.1	552.4	340.9
70°	200.4	214.3	272.7	442.5	613.7	431.4	374.3	303.4	336.8	310.3	242.1
72.5°	135.0	146.1	187.9	268.6	314.5	210.1	194.8	221.3	267.2	254.7	197.6
75°	80.7	87.7	107.1	130.8	128.0	108.5	109.9	155.9	204.6	190.6	140.5
77.5°	55.7	58.4	71.0	84.9	62.6	33.4	30.6	43.1	69.6	69.6	47.3
80°	13.9	18.1	18.1	11.1	9.7	8.3	8.3	12.5	19.5	13.9	7.0
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8	2.8
85°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8
87.5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8
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: P637286

CATALOG NUMBER: GWS-SA4C-740-U-T3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2006.6	2006.6	2006.6	2006.6	2006.6	2006.6	2006.6	2006.6	2006.6	2006.6	2006.6
2.5°	2016.4	1999.7	2010.8	2008.0	2016.4	2019.1	2006.6	2003.8	2005.2	1988.5	1983.0
5°	2035.8	2016.4	2021.9	2016.4	2026.1	2034.5	2030.3	2035.8	2042.8	2030.3	2024.7
7.5°	2077.6	2058.1	2056.7	2048.4	2062.3	2067.8	2066.5	2081.8	2095.7	2087.3	2079.0
10°	2149.9	2123.5	2120.7	2113.8	2117.9	2122.1	2106.8	2109.6	2122.1	2112.4	2108.2
12.5°	2239.0	2207.0	2200.0	2183.3	2183.3	2162.5	2129.1	2122.1	2131.9	2124.9	2117.9
15°	2335.0	2291.9	2280.8	2251.5	2223.7	2184.7	2149.9	2141.6	2148.6	2140.2	2134.6
17.5°	2442.2	2393.5	2357.3	2305.8	2244.6	2198.7	2159.7	2141.6	2130.5	2113.8	2112.4
20°	2547.9	2483.9	2422.7	2340.6	2259.9	2190.3	2126.3	2079.0	2038.6	2013.6	2003.8
22.5°	2670.4	2575.8	2477.0	2361.5	2246.0	2140.2	2027.5	1946.8	1877.2	1853.5	1842.4
25°	2801.2	2678.7	2531.2	2380.9	2198.7	2028.9	1875.8	1756.1	1664.3	1633.7	1621.2
27.5°	2945.9	2777.5	2586.9	2376.8	2101.2	1870.2	1667.1	1518.2	1427.7	1399.9	1409.6
30°	3129.6	2905.6	2656.5	2333.6	1955.1	1647.6	1409.6	1284.4	1216.2	1189.8	1191.2
32.5°	3374.5	3089.2	2758.1	2241.8	1767.3	1394.3	1185.6	1093.8	1047.8	1013.1	1010.3
35°	3725.2	3369.0	2852.7	2094.3	1539.1	1168.9	1017.2	944.9	880.9	840.5	847.5
37.5°	4145.4	3721.0	2904.2	1895.3	1283.0	993.6	890.6	816.8	744.5	684.6	691.6
40°	4643.6	4181.6	2900.0	1633.7	1049.2	873.9	784.8	698.6	608.1	553.8	559.4
42.5°	5198.8	4617.2	2809.5	1356.8	869.7	776.5	683.3	574.7	487.0	453.6	455.0
45°	5680.3	4970.6	2650.9	1070.1	732.0	681.9	577.5	466.2	427.2	403.6	402.2
47.5°	6036.6	5229.5	2424.1	841.9	620.6	595.6	474.5	417.5	386.9	367.4	364.6
50°	6235.6	5319.9	2173.6	659.6	524.6	505.1	424.4	378.5	357.6	345.1	342.3
52.5°	6502.7	5428.4	1994.1	520.4	439.7	413.3	391.0	352.1	338.1	328.4	324.2
55°	6925.8	5638.6	1838.2	413.3	366.0	360.4	368.8	336.8	328.4	313.1	307.5
57.5°	6527.8	5065.3	1427.7	320.1	308.9	329.8	356.2	321.4	300.6	286.7	281.1
60°	4593.5	3367.6	718.0	257.4	275.5	308.9	335.4	290.8	270.0	272.7	270.0
62.5°	2532.6	1685.2	322.8	215.7	239.3	272.7	286.7	251.9	238.0	261.6	265.8
65°	828.0	573.3	186.5	167.0	189.3	222.6	247.7	239.3	236.6	264.4	272.7
67.5°	254.7	189.3	126.6	119.7	130.8	164.2	208.7	258.8	278.3	286.7	290.8
70°	190.6	148.9	108.5	101.6	107.1	125.2	176.7	215.7	203.2	204.6	201.8
72.5°	153.1	118.3	93.2	89.1	89.1	86.3	93.2	116.9	132.2	139.2	139.2
75°	107.1	83.5	71.0	65.4	51.5	41.7	37.6	37.6	33.4	32.0	30.6
77.5°	36.2	30.6	27.8	22.3	15.3	12.5	11.1	9.7	7.0	4.2	2.8
80°	5.6	4.2	2.8	2.8	2.8	1.4	1.4	1.4	0.0	0.0	0.0
82.5°	2.8	2.8	2.8	2.8	2.8	1.4	1.4	0.0	0.0	0.0	0.0
85°	2.8	2.8	2.8	2.8	2.8	1.4	1.4	0.0	0.0	0.0	0.0
87.5°	2.8	2.8	2.8	2.8	1.4	1.4	1.4	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)