

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: P642338

Luminaire Tested: GWS-SA6C-760-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642338
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-SA6C-760-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17016.5 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

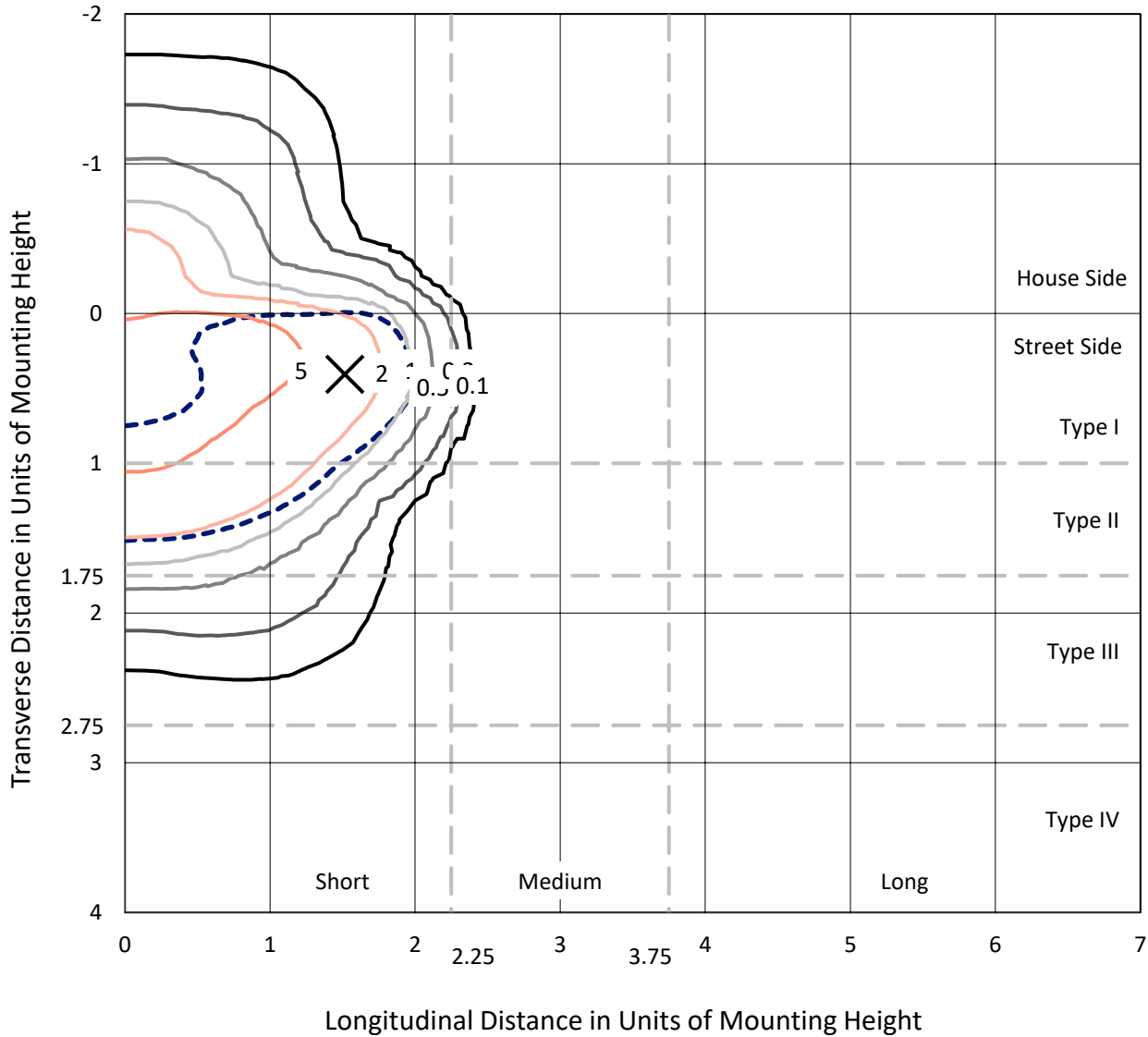
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

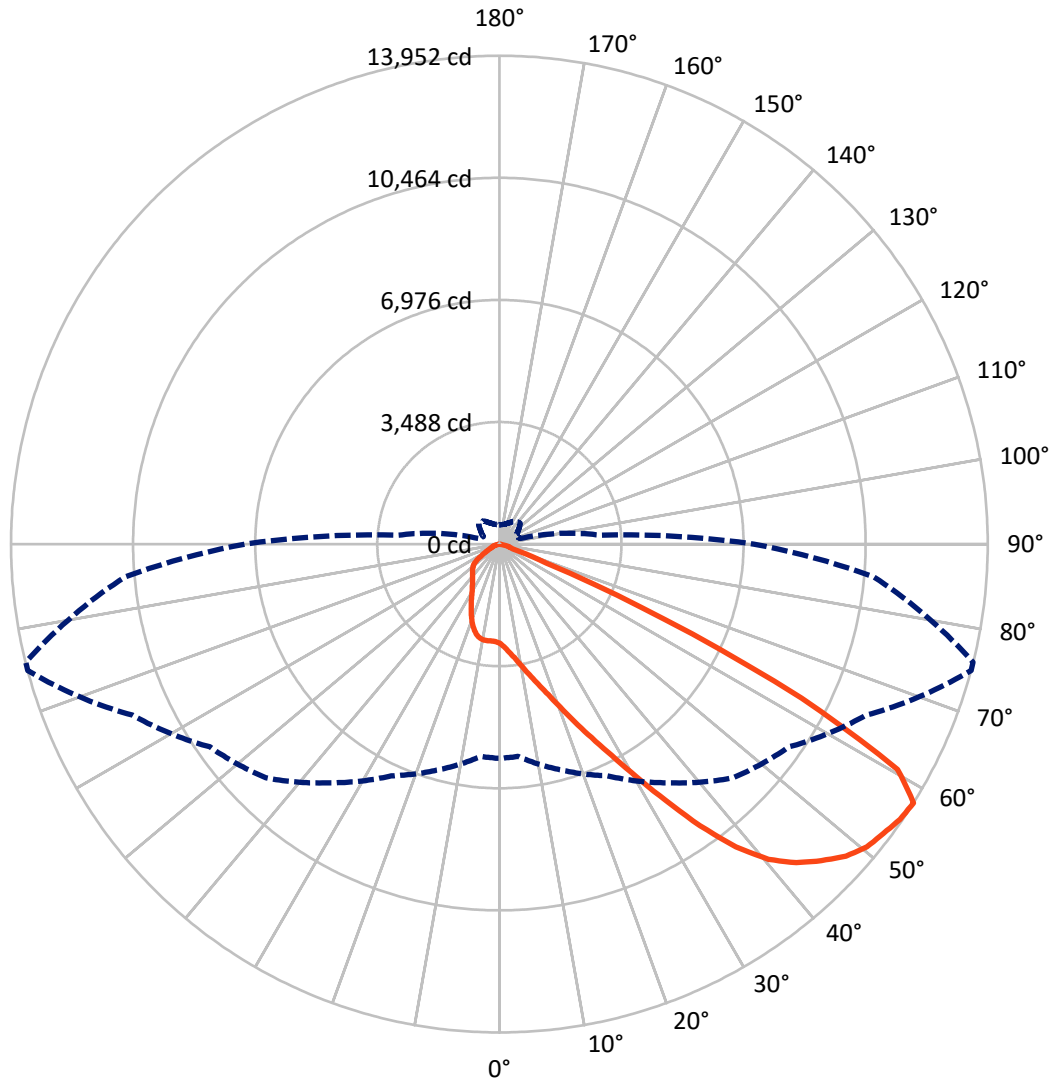
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2779.6	0.0	2779.6
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	14236.9	0.0	14236.9
	% Fixture	83.7	0.0	83.7
Total	Lumens	17016.5	0.0	17016.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.8	1.7
10°-20°	938.2	5.5
20°-30°	1718.0	10.1
30°-40°	2850.3	16.8
40°-50°	4353.1	25.6
50°-60°	4891.4	28.7
60°-70°	1804.2	10.6
70°-80°	172.5	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°	17016.5	100.0
0°-180°	17016.5	100.0

Coefficient of Utilization



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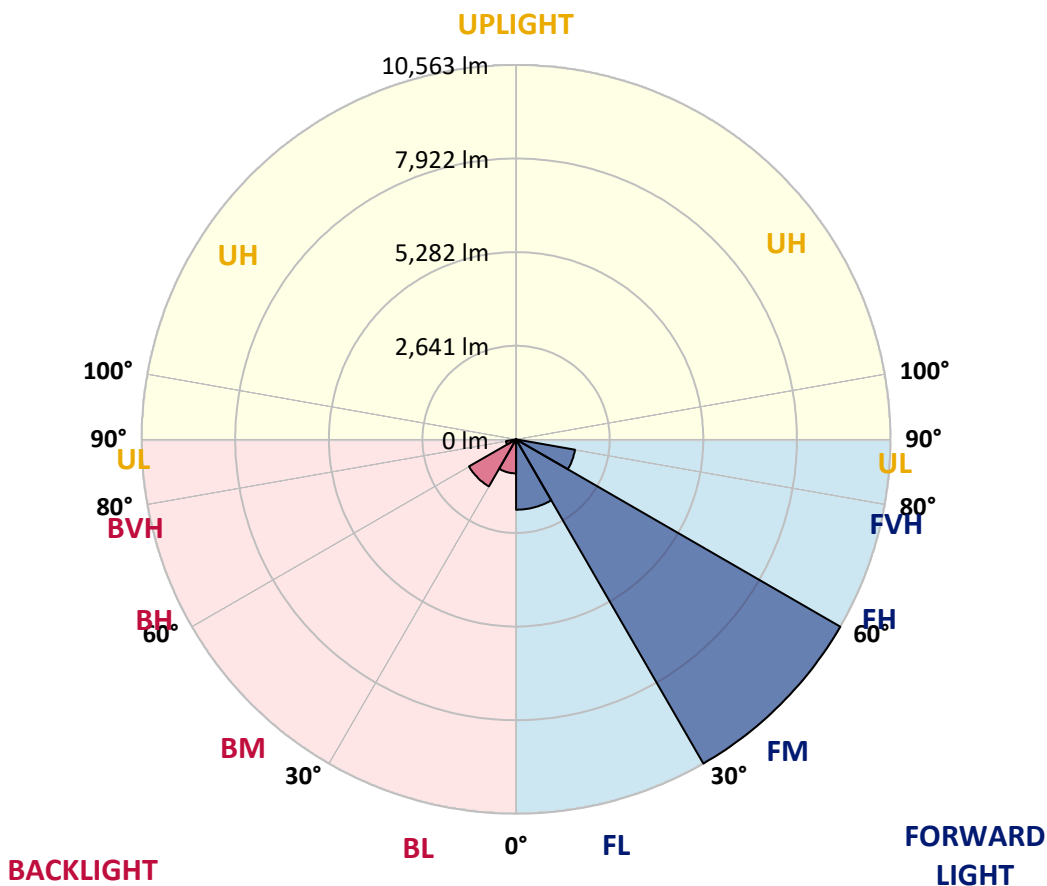
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1985.8	11.7			
FM (30°-60°)	10563.1	62.1			
FH (60°-80°)	1688.0	9.9			G1/1800
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	959.1	5.6	B2/1000		
BM (30°-60°)	1531.7	9.0	B2/2500		
BH (60°-80°)	288.7	1.7	B1/500		G1/500
BVH (80°-90°)	0.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2838.1	2838.1	2838.1	2838.1	2838.1	2838.1	2838.1	2838.1	2838.1	2838.1	2838.1
2.5°	3170.8	3203.7	3193.4	3172.9	3160.5	3117.4	3090.7	3012.7	2957.2	2951.1	2899.7
5°	3571.3	3565.1	3556.9	3532.2	3511.7	3443.9	3363.8	3232.4	3115.4	3101.0	2992.1
7.5°	3791.0	3795.1	3799.2	3795.1	3780.7	3729.4	3641.1	3487.1	3308.4	3296.1	3123.6
10°	3881.4	3889.6	3910.1	3949.1	3984.0	3979.9	3928.6	3770.5	3550.7	3530.2	3298.1
12.5°	3924.5	3934.8	3967.6	4041.5	4136.0	4209.9	4218.2	4076.5	3834.1	3801.3	3505.5
15°	3984.0	3994.3	4035.4	4131.9	4269.5	4415.3	4509.8	4419.4	4148.3	4113.4	3733.5
17.5°	4010.7	4025.1	4084.7	4212.0	4390.7	4614.5	4828.1	4819.9	4520.0	4493.3	3998.4
20°	4062.1	4072.3	4125.7	4263.3	4479.0	4801.4	5160.8	5290.1	4973.9	4934.9	4318.8
22.5°	4224.3	4228.4	4253.1	4339.3	4540.6	4936.9	5499.6	5838.5	5509.9	5458.5	4678.2
25°	4489.2	4487.2	4497.4	4511.8	4659.7	5074.5	5826.1	6456.6	6123.9	6068.5	5084.8
27.5°	4826.0	4826.0	4850.7	4809.6	4869.2	5245.0	6148.6	7167.2	6838.6	6760.5	5530.4
30°	5222.4	5220.3	5277.8	5212.1	5230.6	5514.0	6495.6	7941.4	7701.1	7604.6	6043.8
32.5°	5760.4	5748.1	5813.8	5723.5	5661.9	5920.6	6918.7	8750.5	8734.1	8586.2	6688.7
35°	6440.2	6419.6	6440.2	6351.9	6241.0	6489.5	7473.2	9557.6	9880.0	9723.9	7456.7
37.5°	7115.8	7181.5	7204.1	7052.2	6961.8	7210.3	8140.6	10280.5	10974.6	10812.4	8255.6
40°	7912.6	7892.1	7970.1	7799.7	7742.2	8017.4	8793.6	10818.5	11841.2	11687.2	8966.1
42.5°	8500.0	8536.9	8633.5	8539.0	8493.8	8752.6	9342.0	11132.7	12442.9	12291.0	9473.4
45°	9204.4	9231.1	9268.0	9190.0	9142.8	9397.4	9738.3	11270.3	12900.9	12736.6	9814.3
47.5°	9966.3	9986.8	9986.8	9826.6	9674.6	9779.4	10003.2	11348.4	13321.9	13163.8	10066.9
50°	10512.5	10522.8	10613.2	10500.2	10169.6	10007.3	10124.4	11424.3	13601.2	13453.3	10149.0
52.5°	10027.9	10015.5	10313.3	10547.4	10635.7	10313.3	10333.9	11535.2	13736.7	13609.4	10214.8
55°	8444.5	8424.0	8842.9	9411.8	10190.1	10602.9	10586.5	11601.0	13886.6	13808.6	10453.0
57.5°	6121.9	6087.0	6670.2	7302.7	8323.4	9442.6	10099.7	11564.0	13952.4	13946.2	10730.2
60°	3680.1	3651.4	4201.7	4867.1	5655.7	6781.1	7871.6	10358.5	13073.4	13085.7	10009.4
62.5°	2265.2	2291.8	2788.8	3127.7	3421.3	3760.2	4390.7	6968.0	9684.9	9765.0	7033.7
65°	1523.8	1544.3	2004.3	2431.5	2431.5	1987.9	1706.6	3331.0	5166.9	5031.4	3326.9
67.5°	1022.7	1045.3	1408.8	1907.8	1979.7	1386.2	692.1	994.0	1439.6	1396.5	823.5
70°	601.7	626.4	938.5	1308.2	1441.6	965.2	462.1	421.0	408.7	396.4	320.4
72.5°	269.0	279.3	478.5	665.4	607.9	406.6	326.5	336.8	318.3	312.2	260.8
75°	82.1	86.3	123.2	143.8	145.8	145.8	197.1	264.9	250.5	252.6	201.3
77.5°	20.5	20.5	32.9	30.8	16.4	14.4	37.0	59.6	61.6	55.4	41.1
80°	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2838.1	2838.1	2838.1	2838.1	2838.1	2838.1	2838.1	2838.1	2838.1	2838.1	2838.1
2.5°	2877.1	2823.7	2788.8	2739.5	2704.6	2667.7	2634.8	2608.1	2593.7	2589.6	2591.7
5°	2942.9	2858.7	2776.5	2682.0	2616.3	2554.7	2505.4	2466.4	2447.9	2441.8	2441.8
7.5°	3043.5	2926.4	2780.6	2632.8	2521.9	2425.3	2367.8	2324.7	2308.3	2304.2	2291.8
10°	3174.9	3014.7	2774.5	2544.4	2388.4	2287.7	2246.7	2234.3	2240.5	2242.6	2240.5
12.5°	3333.0	3107.1	2735.4	2415.1	2246.7	2185.1	2189.2	2222.0	2259.0	2277.5	2281.6
15°	3501.4	3191.3	2647.1	2261.0	2125.5	2123.5	2183.0	2259.0	2330.9	2361.7	2369.9
17.5°	3690.4	3259.1	2511.6	2096.8	2020.8	2080.3	2187.1	2304.2	2400.7	2452.0	2462.3
20°	3897.8	3314.6	2339.1	1942.7	1928.4	2035.1	2183.0	2326.8	2445.9	2503.4	2513.6
22.5°	4113.4	3353.6	2139.9	1801.0	1844.2	1983.8	2144.0	2283.6	2396.6	2462.3	2470.5
25°	4359.9	3357.7	1936.6	1681.9	1766.1	1914.0	2049.5	2164.5	2259.0	2316.5	2322.7
27.5°	4575.5	3308.4	1755.9	1585.4	1694.2	1827.7	1918.1	1981.8	2047.5	2080.3	2082.4
30°	4824.0	3222.1	1585.4	1507.4	1620.3	1720.9	1766.1	1780.5	1786.7	1792.8	1784.6
32.5°	5119.7	3117.4	1458.1	1431.4	1536.1	1603.9	1616.2	1587.5	1552.5	1503.3	1490.9
35°	5483.2	3022.9	1353.3	1357.4	1443.7	1484.8	1474.5	1412.9	1345.1	1285.6	1275.3
37.5°	5877.5	2942.9	1273.2	1285.6	1343.1	1371.8	1341.0	1273.2	1242.4	1191.1	1193.2
40°	6226.6	2877.1	1201.4	1213.7	1240.4	1267.1	1217.8	1172.6	1230.1	1226.0	1230.1
42.5°	6475.1	2821.7	1139.8	1133.6	1152.1	1170.6	1133.6	1111.0	1207.5	1180.8	1195.2
45°	6620.9	2770.3	1088.4	1051.5	1080.2	1113.1	1088.4	1059.7	1092.5	969.3	959.0
47.5°	6719.5	2741.6	1043.2	971.4	1022.7	1080.2	1028.9	959.0	911.8	805.0	796.8
50°	6729.7	2727.2	989.8	889.2	954.9	1016.5	957.0	860.5	792.7	745.5	739.3
52.5°	6783.1	2756.0	915.9	784.5	856.4	954.9	913.9	817.3	724.9	683.9	675.6
55°	7021.4	2877.1	792.7	640.7	745.5	907.7	879.0	729.0	640.7	616.1	609.9
57.5°	7267.8	2901.8	624.3	507.2	648.9	839.9	803.0	671.5	585.3	556.5	550.4
60°	6645.5	2390.4	468.2	418.9	573.0	776.3	743.4	636.6	536.0	501.1	494.9
62.5°	4366.0	1291.7	371.7	355.3	482.6	657.2	677.7	575.0	478.5	441.5	439.5
65°	2012.6	599.7	285.5	281.3	377.9	523.7	583.2	503.1	404.6	371.7	371.7
67.5°	548.3	297.8	223.8	207.4	256.7	351.2	425.1	375.8	287.5	248.5	246.4
70°	273.1	240.3	201.3	178.7	184.8	217.7	250.5	209.5	145.8	119.1	117.1
72.5°	223.8	197.1	170.5	152.0	139.6	133.5	129.4	104.7	67.8	51.3	49.3
75°	166.3	141.7	121.2	98.6	84.2	78.0	69.8	51.3	28.8	16.4	14.4
77.5°	37.0	34.9	32.9	24.6	22.6	18.5	14.4	10.3	4.1	0.0	0.0
80°	2.1	2.1	2.1	2.1	2.1	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)