

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: P641851

Luminaire Tested: GWS-SA6B-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641851  
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-SA6B-760-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

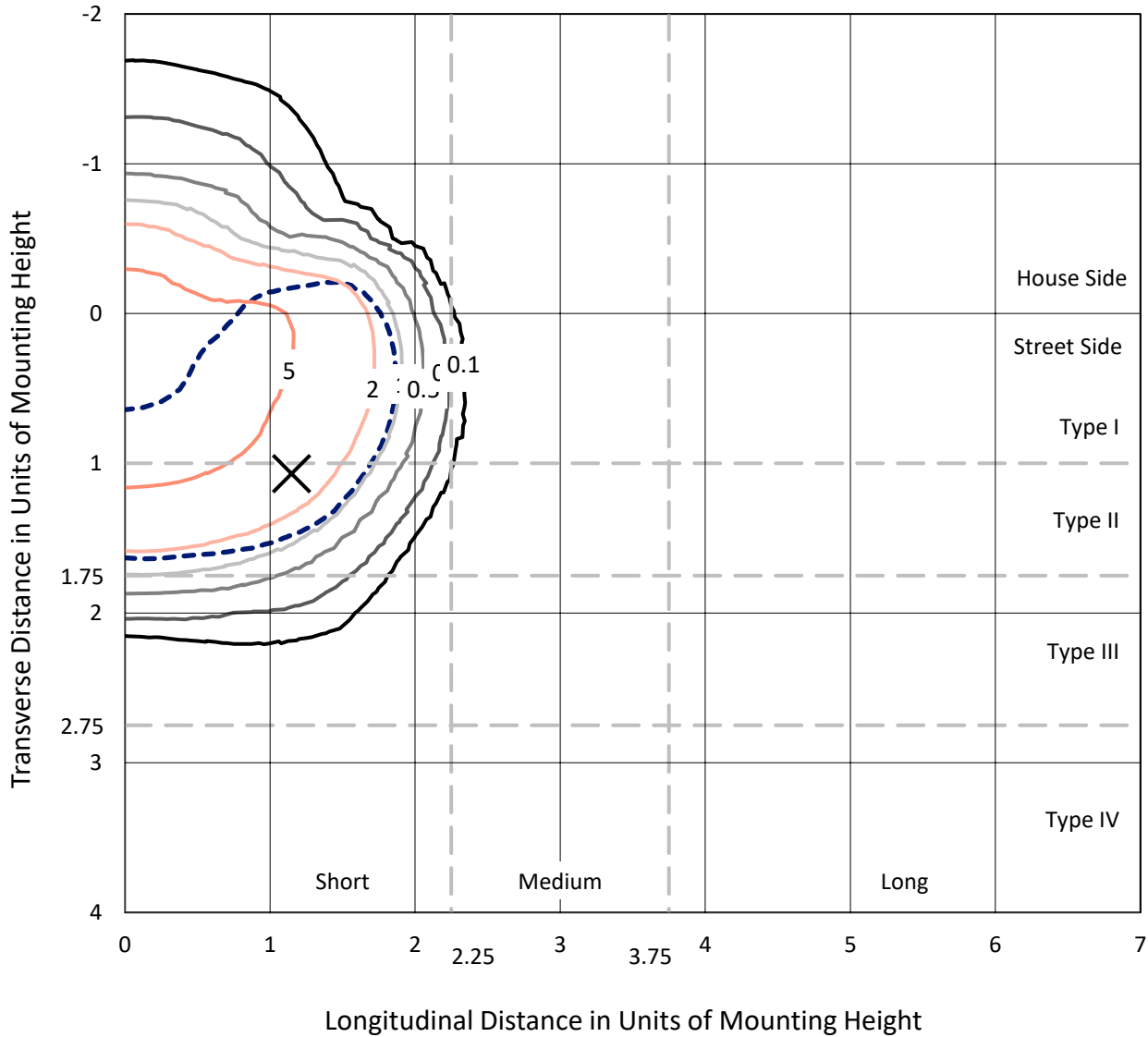
Lumens per Lamp: N/A  
Luminaire Lumens: 13190.6 lumens  
Efficiency: N/A  
Efficacy: 95.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

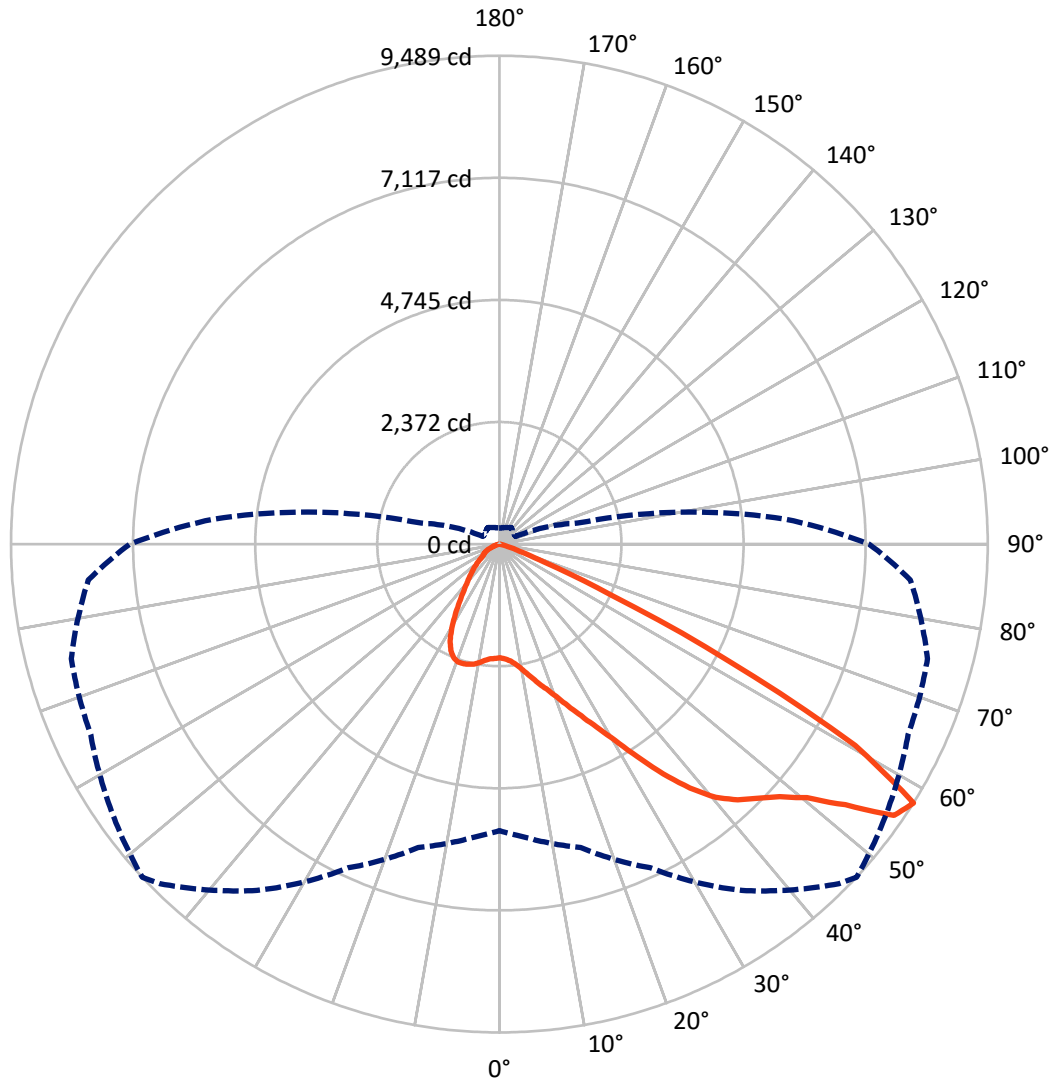
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2861.7	0.0	2861.7
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	10328.9	0.0	10328.9
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	13190.6	0.0	13190.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.7	1.7
10°-20°	741.3	5.6
20°-30°	1376.3	10.4
30°-40°	2203.3	16.7
40°-50°	3220.7	24.4
50°-60°	3974.9	30.1
60°-70°	1328.2	10.1
70°-80°	123.8	0.9
80°-90°	2.6	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°	13190.6	100.0
0°-180°	13190.6	100.0

**Coefficient of Utilization**



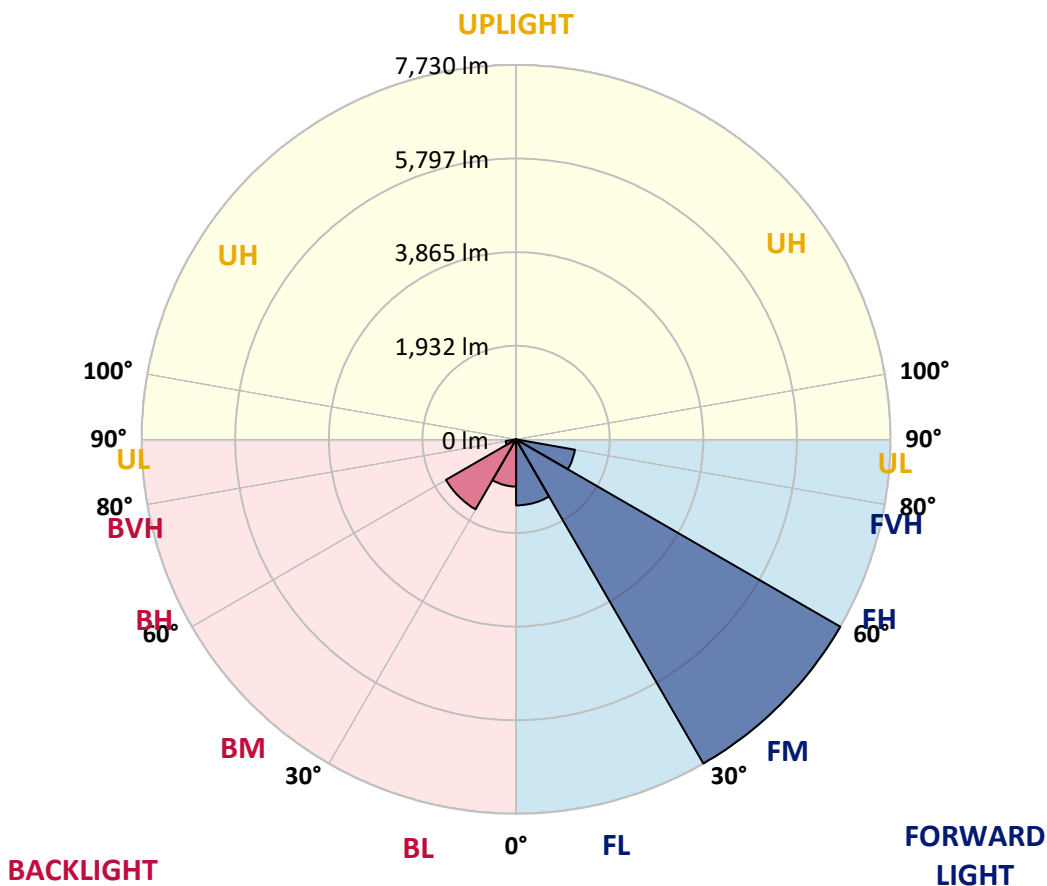
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1363.2	10.3			
FM (30°-60°)	7729.6	58.6			
FH (60°-80°)	1234.4	9.4			G1/1800
FVH (80°-90°)	1.7	0.0			G0/10
BL (0°-30°)	974.1	7.4	B2/1000		
BM (30°-60°)	1669.2	12.7	B2/2500		
BH (60°-80°)	217.6	1.6	B1/500		G1/500
BVH (80°-90°)	0.8	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°	47°	55°	65°	75°	85°
0°	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1
2.5°	2231.1	2229.6	2228.0	2237.2	2234.2	2232.6	2235.7	2235.7	2235.7	2226.5	2208.1
5°	2284.7	2284.7	2283.2	2292.3	2284.7	2280.1	2281.6	2281.6	2275.5	2258.7	2235.7
7.5°	2368.9	2365.8	2362.8	2372.0	2364.3	2362.8	2365.8	2356.7	2345.9	2318.4	2286.2
10°	2489.9	2489.9	2485.3	2494.5	2488.3	2485.3	2485.3	2479.2	2459.3	2416.4	2368.9
12.5°	2656.8	2649.1	2638.4	2630.8	2627.7	2626.2	2627.7	2618.5	2597.1	2541.9	2476.1
15°	2839.0	2832.9	2816.0	2803.8	2786.9	2783.9	2793.1	2785.4	2764.0	2688.9	2595.5
17.5°	3068.7	3076.4	3033.5	3007.5	2958.5	2955.4	2958.5	2970.7	2955.4	2858.9	2722.6
20°	3264.7	3270.8	3238.7	3220.3	3175.9	3156.0	3162.1	3182.0	3165.2	3051.9	2862.0
22.5°	3474.5	3482.2	3448.5	3410.2	3390.3	3390.3	3413.2	3440.8	3417.8	3269.3	3021.2
25°	3725.6	3731.8	3704.2	3653.7	3618.4	3662.8	3696.5	3770.0	3731.8	3529.6	3209.6
27.5°	4013.5	4015.0	3975.2	3923.2	3904.8	3987.5	4021.2	4134.5	4119.2	3822.1	3408.7
30°	4321.3	4322.8	4313.6	4278.4	4261.6	4370.3	4416.2	4580.1	4569.4	4185.0	3679.7
32.5°	4641.3	4641.3	4658.2	4655.1	4675.0	4852.7	4926.2	5113.0	5102.3	4629.1	4016.6
35°	4962.9	4964.4	4993.5	5067.0	5149.7	5385.5	5482.0	5708.7	5684.1	5160.4	4446.9
37.5°	5328.9	5313.6	5353.4	5463.6	5647.4	5920.0	6011.8	6227.8	6200.2	5704.1	5008.9
40°	5769.9	5742.3	5742.3	5871.0	6079.2	6393.1	6471.2	6578.4	6485.0	6143.5	5560.1
42.5°	6256.9	6230.8	6197.1	6310.4	6485.0	6730.0	6794.3	6765.2	6688.7	6558.5	6187.9
45°	6749.9	6710.1	6733.1	6802.0	6903.1	7019.4	7043.9	6909.2	6874.0	6910.7	6707.1
47.5°	7125.1	7097.5	7154.2	7250.7	7333.3	7350.2	7333.3	7146.5	7143.5	7273.6	7066.9
50°	7250.7	7253.7	7409.9	7621.2	7754.5	7768.2	7745.3	7530.9	7501.8	7540.1	7261.4
52.5°	7262.9	7275.2	7503.3	7906.1	8269.0	8434.3	8416.0	8184.7	7899.9	7858.6	7555.4
55°	6967.4	7039.3	7357.8	7945.9	8717.6	9245.9	9307.2	8864.6	8442.0	8406.8	8187.8
57.5°	5569.3	5716.3	6100.7	6938.3	8216.9	9330.2	9489.4	9170.9	8762.0	8612.0	8017.8
60°	3329.0	3511.2	3880.3	4907.8	6253.8	7668.7	7942.8	7987.2	7798.9	7365.5	6151.2
62.5°	1428.7	1413.4	1868.2	2655.3	3719.5	4874.1	4998.1	5191.1	5354.9	4901.7	3733.3
65°	490.0	532.9	741.1	1197.5	1862.0	2263.2	2373.5	2546.5	2779.3	2293.9	1367.4
67.5°	303.2	321.6	427.2	707.5	1004.5	989.2	940.2	912.6	888.1	607.9	375.2
70°	220.5	235.8	300.1	487.0	675.3	474.7	411.9	333.8	370.6	341.5	266.4
72.5°	148.5	160.8	206.7	295.5	346.1	231.2	214.4	243.5	294.0	280.2	217.4
75°	88.8	96.5	117.9	143.9	140.9	119.4	121.0	171.5	225.1	209.8	154.7
77.5°	61.3	64.3	78.1	93.4	68.9	36.8	33.7	47.5	76.6	76.6	52.1
80°	15.3	19.9	19.9	12.3	10.7	9.2	9.2	13.8	21.4	15.3	7.7
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.1	3.1	3.1	3.1
85°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	3.1	3.1	3.1
87.5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.1	3.1
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°	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1	2208.1
2.5°	2218.8	2200.5	2212.7	2209.7	2218.8	2221.9	2208.1	2205.1	2206.6	2188.2	2182.1
5°	2240.3	2218.8	2225.0	2218.8	2229.6	2238.7	2234.2	2240.3	2247.9	2234.2	2228.0
7.5°	2286.2	2264.8	2263.2	2254.1	2269.4	2275.5	2274.0	2290.8	2306.1	2296.9	2287.7
10°	2365.8	2336.7	2333.7	2326.0	2330.6	2335.2	2318.4	2321.4	2335.2	2324.5	2319.9
12.5°	2463.8	2428.6	2421.0	2402.6	2402.6	2379.6	2342.9	2335.2	2345.9	2338.3	2330.6
15°	2569.5	2522.0	2509.8	2477.6	2447.0	2404.1	2365.8	2356.7	2364.3	2355.1	2349.0
17.5°	2687.4	2633.8	2594.0	2537.3	2470.0	2419.4	2376.6	2356.7	2344.4	2326.0	2324.5
20°	2803.8	2733.4	2666.0	2575.6	2486.8	2410.3	2339.8	2287.7	2243.3	2215.8	2205.1
22.5°	2938.5	2834.4	2725.7	2598.6	2471.5	2355.1	2231.1	2142.3	2065.7	2039.7	2027.4
25°	3082.5	2947.7	2785.4	2620.0	2419.4	2232.6	2064.2	1932.5	1831.4	1797.7	1784.0
27.5°	3241.7	3056.5	2846.7	2615.4	2312.2	2058.1	1834.5	1670.6	1571.1	1540.5	1551.2
30°	3443.9	3197.3	2923.2	2568.0	2151.5	1813.0	1551.2	1413.4	1338.3	1309.3	1310.8
32.5°	3713.4	3399.5	3035.0	2466.9	1944.7	1534.4	1304.7	1203.6	1153.1	1114.8	1111.7
35°	4099.3	3707.3	3139.1	2304.6	1693.6	1286.3	1119.4	1039.7	969.3	924.9	932.6
37.5°	4561.7	4094.7	3195.8	2085.6	1411.8	1093.3	980.0	898.9	819.2	753.4	761.1
40°	5109.9	4601.5	3191.2	1797.7	1154.6	961.7	863.6	768.7	669.2	609.5	615.6
42.5°	5720.9	5080.8	3091.7	1493.0	957.1	854.5	751.9	632.4	536.0	499.2	500.7
45°	6250.7	5469.8	2917.1	1177.6	805.5	750.3	635.5	513.0	470.1	444.1	442.5
47.5°	6642.7	5754.6	2667.5	926.4	683.0	655.4	522.2	459.4	425.7	404.3	401.2
50°	6861.7	5854.1	2391.9	725.8	577.3	555.9	467.0	416.5	393.5	379.8	376.7
52.5°	7155.7	5973.6	2194.3	572.7	483.9	454.8	430.3	387.4	372.1	361.4	356.8
55°	7621.2	6204.8	2022.8	454.8	402.7	396.6	405.8	370.6	361.4	344.5	338.4
57.5°	7183.3	5573.9	1571.1	352.2	339.9	362.9	392.0	353.7	330.8	315.4	309.3
60°	5054.8	3705.7	790.1	283.3	303.2	339.9	369.0	320.0	297.1	300.1	297.1
62.5°	2786.9	1854.4	355.3	237.3	263.4	300.1	315.4	277.2	261.9	287.9	292.5
65°	911.1	630.9	205.2	183.8	208.3	245.0	272.6	263.4	260.3	290.9	300.1
67.5°	280.2	208.3	139.3	131.7	143.9	180.7	229.7	284.8	306.3	315.4	320.0
70°	209.8	163.8	119.4	111.8	117.9	137.8	194.5	237.3	223.6	225.1	222.0
72.5°	168.4	130.2	102.6	98.0	98.0	94.9	102.6	128.6	145.5	153.1	153.1
75°	117.9	91.9	78.1	72.0	56.7	45.9	41.3	41.3	36.8	35.2	33.7
77.5°	39.8	33.7	30.6	24.5	16.8	13.8	12.3	10.7	7.7	4.6	3.1
80°	6.1	4.6	3.1	3.1	3.1	1.5	1.5	1.5	0.0	0.0	0.0
82.5°	3.1	3.1	3.1	3.1	3.1	1.5	1.5	0.0	0.0	0.0	0.0
85°	3.1	3.1	3.1	3.1	3.1	1.5	1.5	0.0	0.0	0.0	0.0
87.5°	3.1	3.1	3.1	3.1	1.5	1.5	1.5	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)