

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: P641741

Luminaire Tested: GWS-SA6B-740-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641741  
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-740-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) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

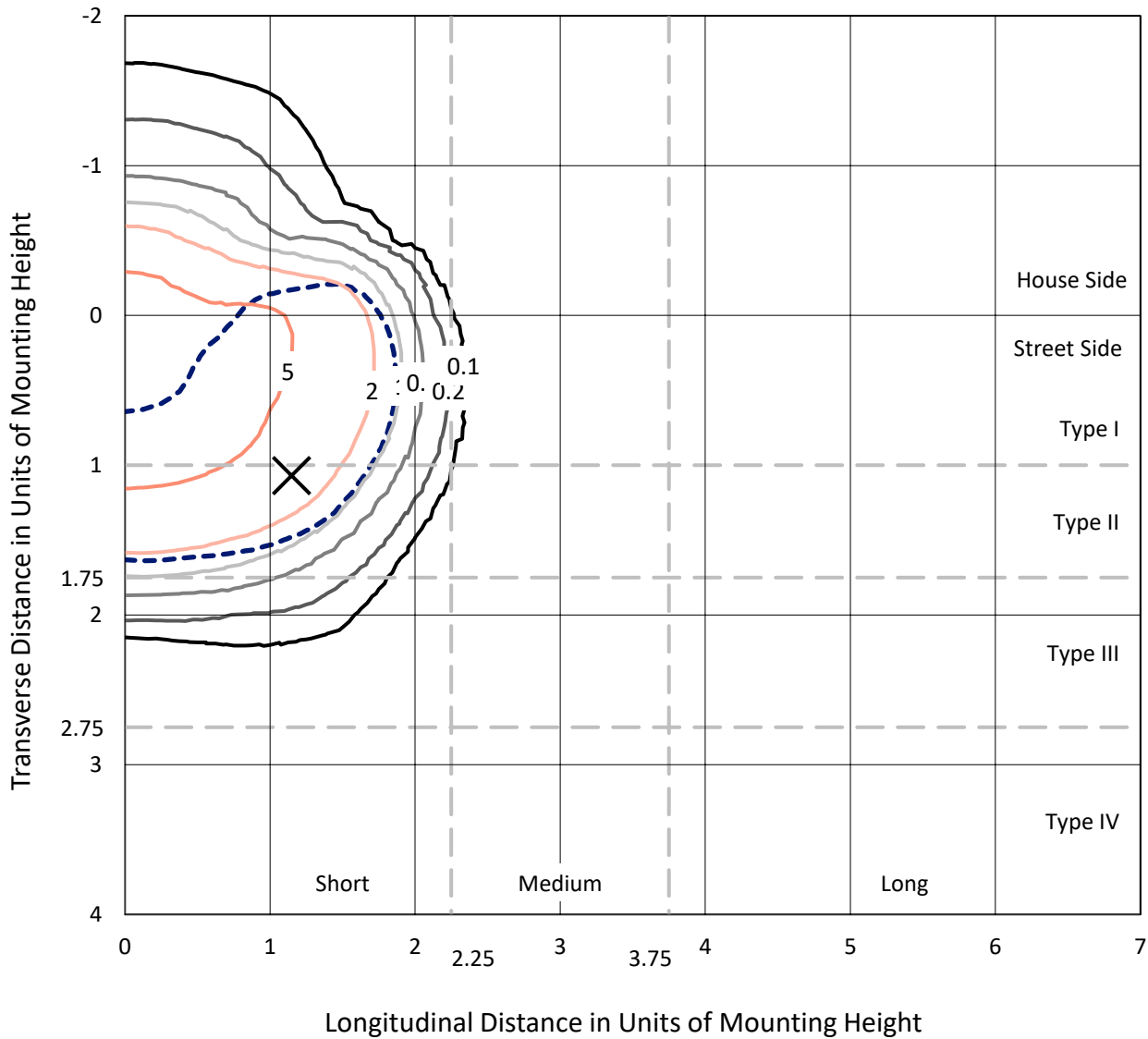
Lumens per Lamp: N/A  
Luminaire Lumens: 13074.3 lumens  
Efficiency: N/A  
Efficacy: 94.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

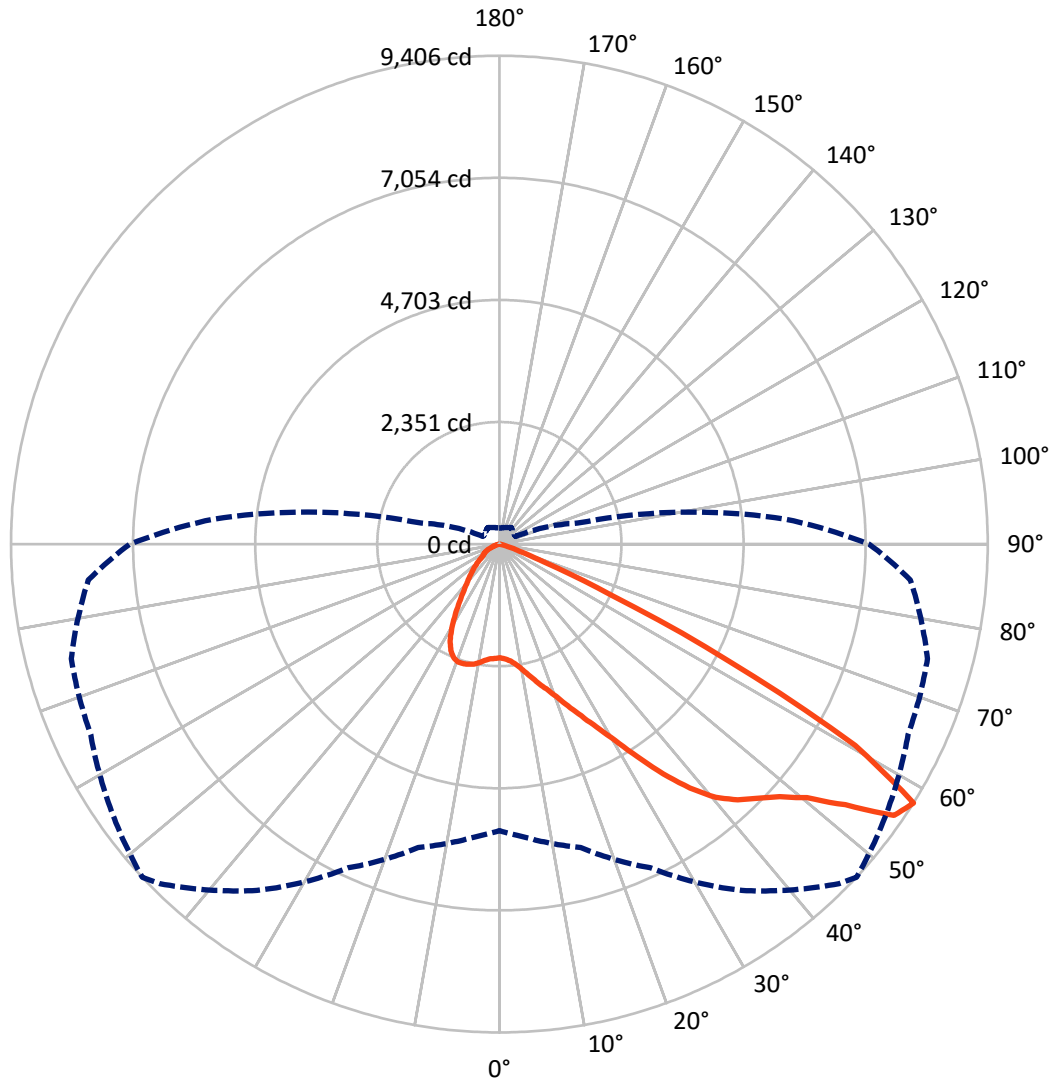
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.7 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	2836.5	0.0	2836.5
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	10237.8	0.0	10237.8
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	13074.3	0.0	13074.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.7	1.7
10°-20°	734.7	5.6
20°-30°	1364.2	10.4
30°-40°	2183.8	16.7
40°-50°	3192.3	24.4
50°-60°	3939.8	30.1
60°-70°	1316.5	10.1
70°-80°	122.7	0.9
80°-90°	2.5	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°	13074.3	100.0
0°-180°	13074.3	100.0

**Coefficient of Utilization**



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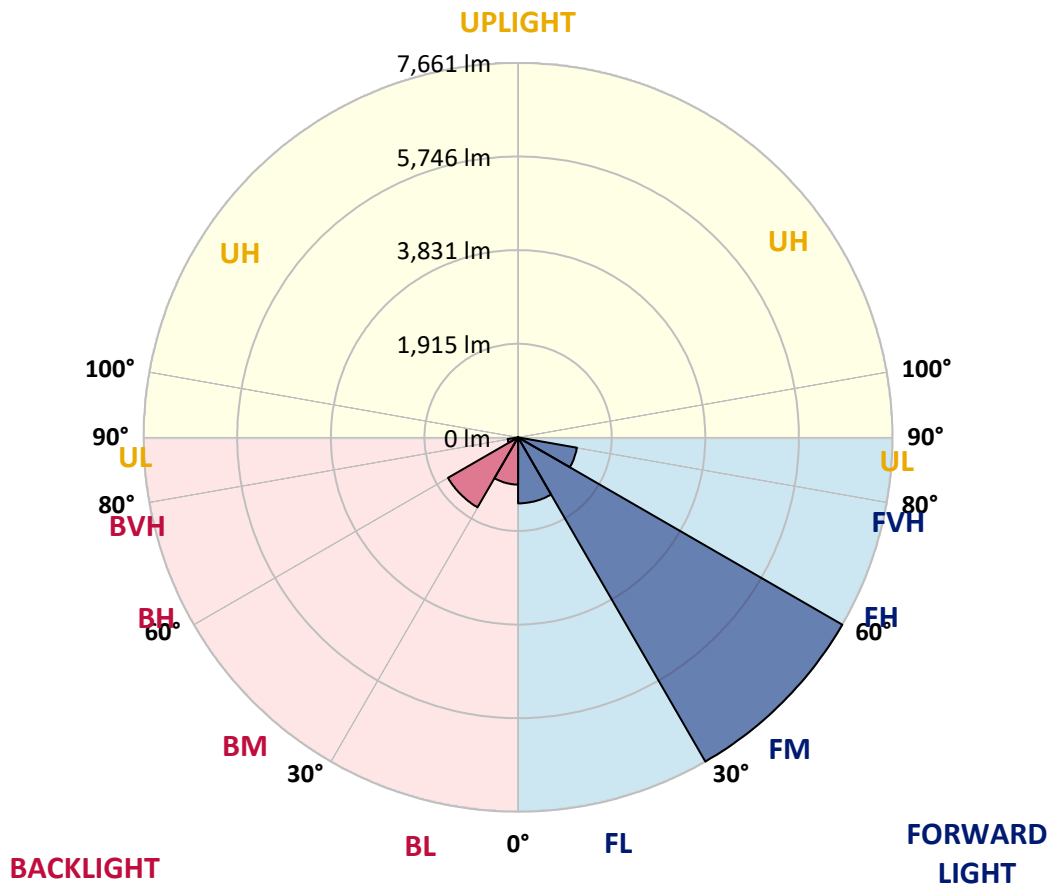
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1351.2	10.3			
FM (30°-60°)	7661.4	58.6			
FH (60°-80°)	1223.5	9.4			G1/1800
FVH (80°-90°)	1.7	0.0			G0/10
BL (0°-30°)	965.5	7.4	B2/1000		
BM (30°-60°)	1654.5	12.7	B2/2500		
BH (60°-80°)	215.6	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°	2188.7	2188.7	2188.7	2188.7	2188.7	2188.7	2188.7	2188.7	2188.7	2188.7	2188.7
2.5°	2211.4	2209.9	2208.4	2217.5	2214.5	2212.9	2216.0	2216.0	2216.0	2206.9	2188.7
5°	2264.5	2264.5	2263.0	2272.1	2264.5	2260.0	2261.5	2261.5	2255.4	2238.7	2216.0
7.5°	2348.0	2345.0	2341.9	2351.1	2343.5	2341.9	2345.0	2335.9	2325.3	2297.9	2266.1
10°	2467.9	2467.9	2463.4	2472.5	2466.4	2463.4	2463.4	2457.3	2437.6	2395.1	2348.0
12.5°	2633.4	2625.8	2615.2	2607.6	2604.5	2603.0	2604.5	2595.4	2574.2	2519.5	2454.3
15°	2814.0	2807.9	2791.2	2779.1	2762.4	2759.3	2768.4	2760.9	2739.6	2665.2	2572.7
17.5°	3041.6	3049.2	3006.7	2980.9	2932.4	2929.3	2932.4	2944.5	2929.3	2833.7	2698.6
20°	3235.9	3242.0	3210.1	3191.9	3147.9	3128.2	3134.2	3154.0	3137.3	3025.0	2836.7
22.5°	3443.9	3451.5	3418.1	3380.1	3360.4	3360.4	3383.2	3410.5	3387.7	3240.5	2994.6
25°	3692.8	3698.9	3671.5	3621.4	3586.5	3630.6	3663.9	3736.8	3698.9	3498.5	3181.3
27.5°	3978.1	3979.6	3940.2	3888.6	3870.4	3952.3	3985.7	4098.0	4082.9	3788.4	3378.6
30°	4283.2	4284.7	4275.6	4240.7	4224.0	4331.8	4377.3	4539.7	4529.1	4148.1	3647.2
32.5°	4600.4	4600.4	4617.1	4614.1	4633.8	4809.9	4882.7	5067.9	5057.3	4588.3	3981.2
35°	4919.2	4920.7	4949.5	5022.4	5104.3	5338.1	5433.7	5658.3	5634.0	5114.9	4407.7
37.5°	5281.9	5266.7	5306.2	5415.5	5597.6	5867.8	5958.8	6172.8	6145.5	5653.8	4964.7
40°	5719.0	5691.7	5691.7	5819.2	6025.6	6336.8	6414.2	6520.4	6427.8	6089.4	5511.1
42.5°	6201.7	6175.9	6142.5	6254.8	6427.8	6670.7	6734.4	6705.6	6629.7	6500.7	6133.4
45°	6690.4	6651.0	6673.7	6742.0	6842.2	6957.5	6981.8	6848.3	6813.4	6849.8	6647.9
47.5°	7062.3	7035.0	7091.1	7186.7	7268.7	7285.4	7268.7	7083.5	7080.5	7209.5	7004.6
50°	7186.7	7189.8	7344.6	7554.0	7686.1	7699.7	7677.0	7464.5	7435.6	7473.6	7197.4
52.5°	7198.9	7211.0	7437.2	7836.3	8196.1	8360.0	8341.8	8112.6	7830.3	7789.3	7488.8
55°	6905.9	6977.3	7293.0	7875.8	8640.8	9164.4	9225.1	8786.5	8367.6	8332.7	8115.6
57.5°	5520.2	5665.9	6046.9	6877.1	8144.5	9247.9	9405.7	9090.0	8684.8	8536.0	7947.1
60°	3299.7	3480.3	3846.1	4864.5	6198.7	7601.1	7872.8	7916.8	7730.1	7300.6	6097.0
62.5°	1416.1	1400.9	1851.7	2631.8	3686.7	4831.1	4954.1	5145.3	5307.7	4858.4	3700.4
65°	485.7	528.2	734.6	1186.9	1845.6	2243.3	2352.6	2524.1	2754.8	2273.6	1355.4
67.5°	300.5	318.7	423.5	701.2	995.7	980.5	931.9	904.6	880.3	602.6	371.9
70°	218.6	233.7	297.5	482.7	669.3	470.5	408.3	330.9	367.3	338.5	264.1
72.5°	147.2	159.4	204.9	292.9	343.0	229.2	212.5	241.3	291.4	277.8	215.5
75°	88.0	95.6	116.9	142.7	139.6	118.4	119.9	170.0	223.1	207.9	153.3
77.5°	60.7	63.7	77.4	92.6	68.3	36.4	33.4	47.1	75.9	75.9	51.6
80°	15.2	19.7	19.7	12.1	10.6	9.1	9.1	13.7	21.2	15.2	7.6
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0	3.0
85°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0
87.5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0
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°	2188.7	2188.7	2188.7	2188.7	2188.7	2188.7	2188.7	2188.7	2188.7	2188.7	2188.7
2.5°	2199.3	2181.1	2193.2	2190.2	2199.3	2202.3	2188.7	2185.6	2187.1	2168.9	2162.8
5°	2220.5	2199.3	2205.3	2199.3	2209.9	2219.0	2214.5	2220.5	2228.1	2214.5	2208.4
7.5°	2266.1	2244.8	2243.3	2234.2	2249.4	2255.4	2253.9	2270.6	2285.8	2276.7	2267.6
10°	2345.0	2316.1	2313.1	2305.5	2310.1	2314.6	2297.9	2301.0	2314.6	2304.0	2299.5
12.5°	2442.1	2407.2	2399.6	2381.4	2381.4	2358.6	2322.2	2314.6	2325.3	2317.7	2310.1
15°	2546.9	2499.8	2487.7	2455.8	2425.4	2382.9	2345.0	2335.9	2343.5	2334.4	2328.3
17.5°	2663.7	2610.6	2571.1	2515.0	2448.2	2398.1	2355.6	2335.9	2323.7	2305.5	2304.0
20°	2779.1	2709.3	2642.5	2552.9	2464.9	2389.0	2319.2	2267.6	2223.6	2196.2	2185.6
22.5°	2912.6	2809.4	2701.7	2575.7	2449.7	2334.4	2211.4	2123.4	2047.5	2021.7	2009.6
25°	3055.3	2921.7	2760.9	2596.9	2398.1	2212.9	2046.0	1915.4	1815.3	1781.9	1768.2
27.5°	3213.2	3029.5	2821.6	2592.4	2291.9	2039.9	1818.3	1655.9	1557.3	1526.9	1537.5
30°	3413.5	3169.1	2897.5	2545.3	2132.5	1797.1	1537.5	1400.9	1326.5	1297.7	1299.2
32.5°	3680.6	3369.5	3008.3	2445.2	1927.6	1520.8	1293.2	1193.0	1142.9	1105.0	1101.9
35°	4063.1	3674.6	3111.5	2284.3	1678.7	1274.9	1109.5	1030.6	960.8	916.7	924.3
37.5°	4521.5	4058.6	3167.6	2067.2	1399.4	1083.7	971.4	890.9	812.0	746.8	754.3
40°	5064.9	4561.0	3163.1	1781.9	1144.4	953.2	856.0	761.9	663.3	604.1	610.2
42.5°	5670.5	5036.0	3064.4	1479.8	948.6	846.9	745.2	626.8	531.2	494.8	496.3
45°	6195.6	5421.5	2891.4	1167.2	798.4	743.7	629.9	508.5	466.0	440.2	438.6
47.5°	6584.2	5703.9	2644.0	918.3	676.9	649.6	517.6	455.3	421.9	400.7	397.7
50°	6801.2	5802.5	2370.8	719.4	572.2	551.0	462.9	412.8	390.1	376.4	373.4
52.5°	7092.6	5920.9	2175.0	567.7	479.6	450.8	426.5	384.0	368.8	358.2	353.6
55°	7554.0	6150.1	2005.0	450.8	399.2	393.1	402.2	367.3	358.2	341.5	335.4
57.5°	7119.9	5524.8	1557.3	349.1	336.9	359.7	388.6	350.6	327.8	312.7	306.6
60°	5010.2	3673.0	783.2	280.8	300.5	336.9	365.8	317.2	294.5	297.5	294.5
62.5°	2762.4	1838.0	352.1	235.3	261.1	297.5	312.7	274.7	259.5	285.3	289.9
65°	903.1	625.3	203.4	182.1	206.4	242.8	270.2	261.1	258.0	288.4	297.5
67.5°	277.8	206.4	138.1	130.5	142.7	179.1	227.7	282.3	303.6	312.7	317.2
70°	207.9	162.4	118.4	110.8	116.9	136.6	192.8	235.3	221.6	223.1	220.1
72.5°	167.0	129.0	101.7	97.1	97.1	94.1	101.7	127.5	144.2	151.8	151.8
75°	116.9	91.1	77.4	71.3	56.2	45.5	41.0	41.0	36.4	34.9	33.4
77.5°	39.5	33.4	30.4	24.3	16.7	13.7	12.1	10.6	7.6	4.6	3.0
80°	6.1	4.6	3.0	3.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0
82.5°	3.0	3.0	3.0	3.0	3.0	1.5	1.5	0.0	0.0	0.0	0.0
85°	3.0	3.0	3.0	3.0	3.0	1.5	1.5	0.0	0.0	0.0	0.0
87.5°	3.0	3.0	3.0	3.0	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)