

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: P641656

Luminaire Tested: GWS-SA6B-735-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641656
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-735-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13534.4 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

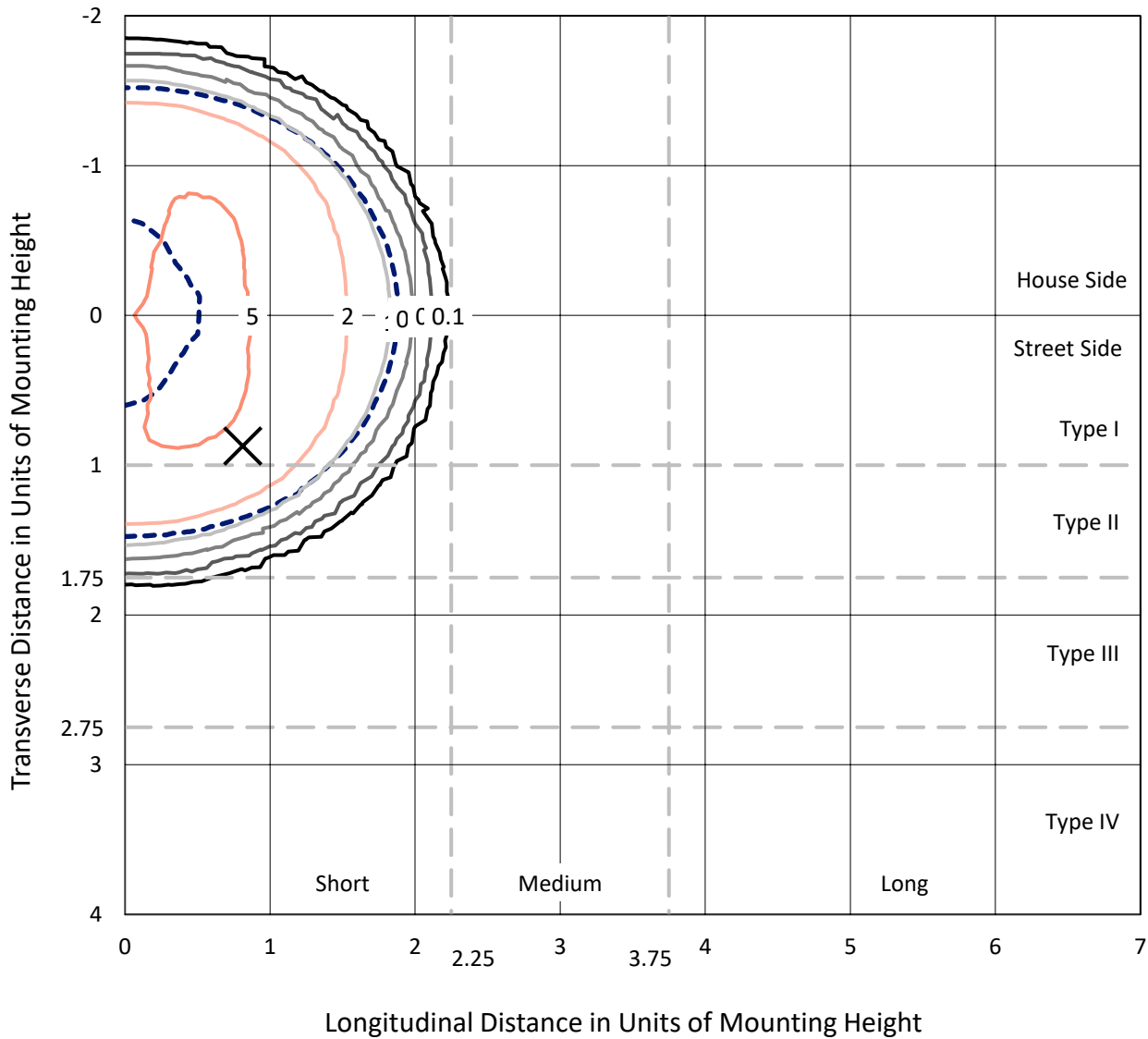
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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 CATALOG NUMBER: GWS-SA6B-735-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

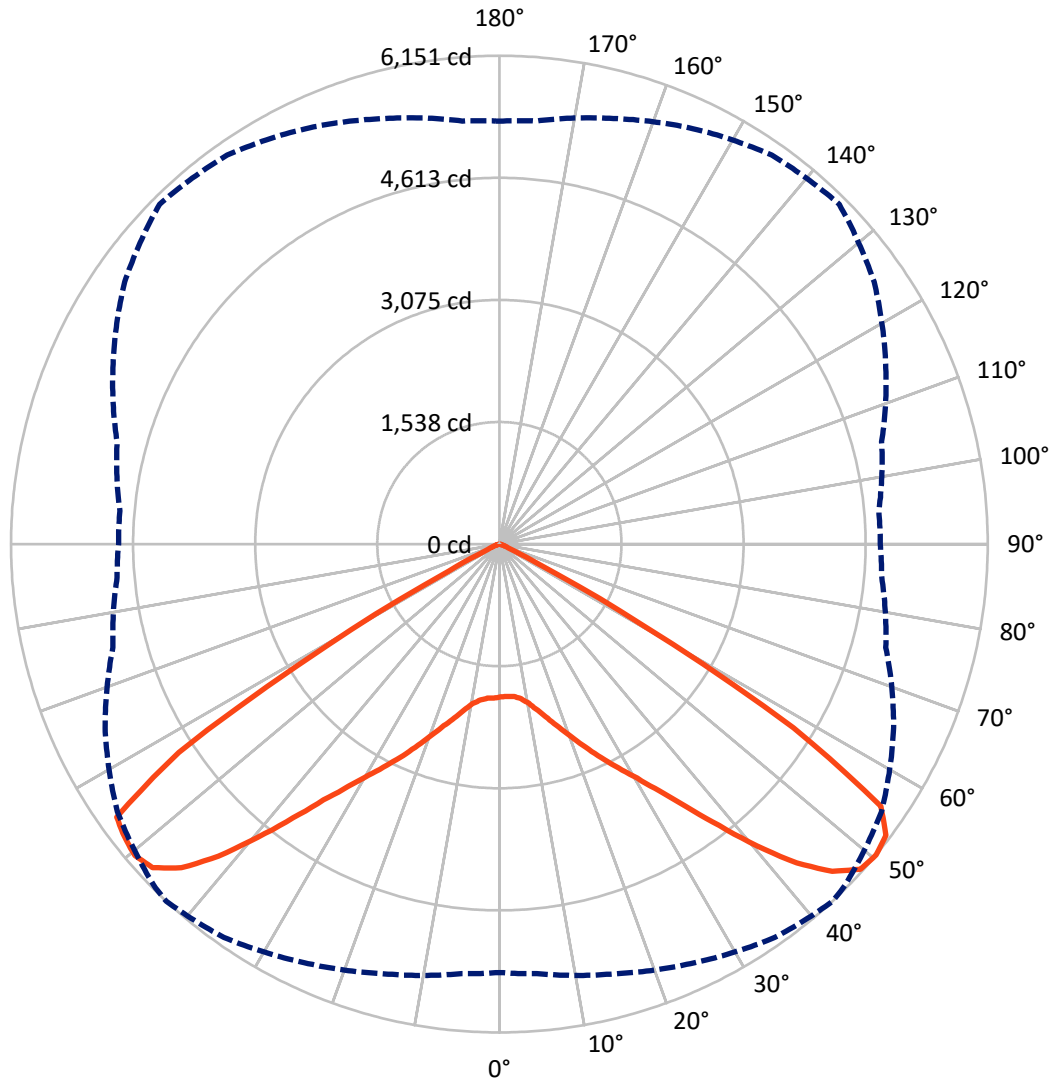
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

REPORT NUMBER: P641656
CATALOG NUMBER: GWS-SA6B-735-U-RW-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6767.0	0.0	6767.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6767.4	0.0	6767.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	13534.4	0.0	13534.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.6	1.4
10°-20°	652.4	4.8
20°-30°	1319.9	9.8
30°-40°	2448.8	18.1
40°-50°	4064.9	30.0
50°-60°	4148.4	30.7
60°-70°	680.3	5.0
70°-80°	29.8	0.2
80°-90°	0.4	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°	13534.4	100.0
0°-180°	13534.4	100.0

Coefficient of Utilization



REPORT NUMBER: P641656

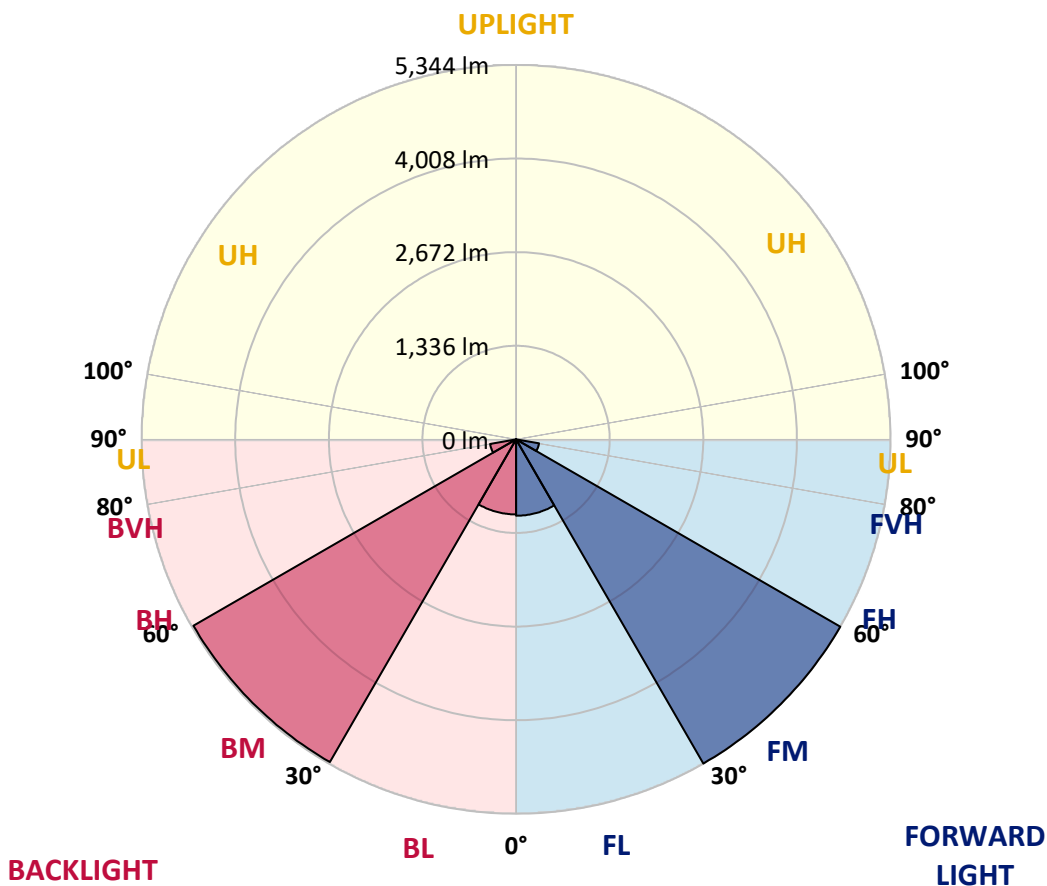
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1090.4	8.1			
FM (30°-60°)	5344.0	39.5			
FH (60°-80°)	332.8	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	1071.4	7.9	B3/2500		
BM (30°-60°)	5318.1	39.3	B4/8500		
BH (60°-80°)	377.3	2.8	B1/500		G0/660
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





REPORT NUMBER: P641656

CATALOG NUMBER: GWS-SA6B-735-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1
2.5°	1889.1	1893.6	1899.6	1905.6	1913.1	1920.6	1925.1	1938.5	1935.5	1947.5	1947.5
5°	1868.2	1872.7	1880.1	1893.6	1910.1	1926.6	1938.5	1965.5	1980.4	2004.4	2013.4
7.5°	1878.6	1884.6	1893.6	1914.6	1940.0	1965.5	1978.9	2022.4	2052.3	2097.2	2122.6
10°	1913.1	1919.1	1934.0	1970.0	2002.9	2038.8	2055.3	2110.7	2158.6	2219.9	2255.9
12.5°	1952.0	1959.5	1989.4	2043.3	2100.2	2148.1	2170.6	2231.9	2281.3	2350.2	2407.1
15°	1992.4	2004.4	2050.8	2130.1	2211.0	2275.3	2299.3	2365.2	2414.6	2487.9	2552.3
17.5°	2086.7	2100.2	2152.6	2237.9	2348.7	2423.5	2444.5	2513.3	2550.8	2600.2	2667.5
20°	2205.0	2230.4	2294.8	2398.1	2519.3	2591.2	2606.2	2673.5	2670.5	2691.5	2749.9
22.5°	2351.7	2369.6	2440.0	2562.7	2699.0	2778.3	2812.7	2841.2	2803.8	2785.8	2823.2
25°	2504.4	2525.3	2601.7	2736.4	2889.1	2980.4	3008.8	3031.3	2971.4	2904.0	2908.5
27.5°	2702.0	2716.9	2791.8	2935.5	3088.2	3191.5	3216.9	3255.8	3176.5	3068.7	3038.8
30°	2937.0	2951.9	3031.3	3182.5	3333.7	3422.0	3460.9	3508.8	3422.0	3287.3	3252.8
32.5°	3212.4	3227.4	3329.2	3484.9	3609.1	3704.9	3742.3	3793.2	3724.4	3573.2	3534.3
35°	3541.7	3550.7	3670.5	3839.6	3971.4	4064.2	4089.6	4149.5	4073.2	3922.0	3901.0
37.5°	3923.5	3933.9	4064.2	4260.3	4395.0	4498.3	4538.7	4555.2	4462.4	4293.2	4276.7
40°	4342.6	4377.0	4504.3	4715.3	4866.5	4996.8	5032.7	4977.3	4847.1	4616.5	4586.6
42.5°	4779.7	4809.6	4951.9	5180.9	5356.0	5489.2	5490.7	5371.0	5149.4	4830.6	4785.7
45°	5143.5	5155.4	5339.6	5570.1	5785.6	5879.9	5888.9	5671.9	5338.1	4954.8	4859.0
47.5°	5393.4	5412.9	5573.1	5794.6	6032.6	6118.0	6100.0	5829.1	5427.9	5035.7	4877.0
50°	5396.4	5429.4	5603.0	5817.1	6047.6	6150.9	6125.4	5874.0	5478.8	5038.7	4833.6
52.5°	4918.9	4972.8	5255.7	5565.6	5918.9	6095.5	6101.5	5932.3	5459.3	4990.8	4794.7
55°	3710.9	3769.3	4125.5	4654.0	5336.6	5829.1	5914.4	5863.5	5436.9	5011.7	4863.5
57.5°	1964.0	1919.1	2116.7	2640.6	3498.3	4369.5	4619.5	5026.7	5186.9	5037.2	4990.8
60°	428.1	456.6	607.8	818.8	1365.2	2055.3	2299.3	2996.9	3826.2	4194.4	4460.9
62.5°	184.1	181.1	188.6	214.1	312.9	520.9	636.2	1038.9	1639.1	2251.4	2666.0
65°	151.2	152.7	158.7	158.7	148.2	149.7	157.2	238.0	383.2	537.4	721.5
67.5°	113.8	115.3	125.7	128.7	121.3	107.8	106.3	89.8	94.3	118.3	122.7
70°	71.9	71.9	77.8	80.8	80.8	74.8	73.3	64.4	62.9	71.9	80.8
72.5°	38.9	38.9	41.9	43.4	41.9	40.4	40.4	38.9	37.4	43.4	55.4
75°	16.5	16.5	18.0	18.0	16.5	16.5	16.5	16.5	16.5	19.5	29.9
77.5°	3.0	4.5	6.0	4.5	3.0	3.0	3.0	4.5	4.5	6.0	9.0
80°	1.5	1.5	3.0	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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: P641656
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1	1925.1
2.5°	1958.0	1941.5	1947.5	1950.5	1946.0	1943.0	1926.6	1922.1	1914.6	1902.6	1899.6
5°	2023.9	2010.4	2008.9	1999.9	1978.9	1953.5	1922.1	1908.6	1893.6	1878.6	1875.7
7.5°	2134.6	2118.2	2107.7	2077.7	2029.8	1989.4	1937.0	1908.6	1889.1	1869.7	1865.2
10°	2276.8	2257.4	2227.4	2172.0	2107.7	2049.3	1987.9	1950.5	1920.6	1893.6	1892.1
12.5°	2428.0	2407.1	2353.2	2282.8	2205.0	2151.1	2073.3	2020.9	1976.0	1935.5	1931.0
15°	2586.7	2561.3	2487.9	2404.1	2332.2	2276.8	2191.5	2107.7	2038.8	1980.4	1974.5
17.5°	2707.9	2676.5	2589.7	2526.8	2468.4	2411.6	2315.8	2205.0	2113.7	2043.3	2026.8
20°	2784.3	2754.4	2672.0	2637.6	2610.6	2570.2	2456.5	2341.2	2239.4	2152.6	2137.6
22.5°	2857.6	2821.7	2749.9	2749.9	2770.8	2754.4	2631.6	2499.9	2380.1	2279.8	2257.4
25°	2940.0	2911.5	2860.6	2902.6	2954.9	2953.4	2827.7	2663.0	2525.3	2413.1	2390.6
27.5°	3059.7	3031.3	3013.3	3092.7	3158.5	3154.0	3016.3	2838.2	2693.0	2582.2	2561.3
30°	3270.8	3243.9	3224.4	3320.2	3404.0	3372.6	3221.4	3049.3	2902.6	2776.8	2761.8
32.5°	3552.2	3523.8	3498.3	3594.1	3669.0	3628.6	3484.9	3323.2	3154.0	3031.3	3001.3
35°	3922.0	3862.1	3836.6	3950.4	3981.8	3936.9	3799.2	3657.0	3477.4	3336.7	3317.2
37.5°	4303.7	4233.3	4215.4	4314.2	4365.1	4348.6	4186.9	4038.7	3844.1	3688.4	3666.0
40°	4630.0	4565.6	4534.2	4688.4	4803.7	4814.1	4668.9	4487.8	4258.8	4097.1	4056.7
42.5°	4821.6	4766.2	4758.7	4998.3	5186.9	5321.6	5147.9	4960.8	4719.8	4537.2	4504.3
45°	4865.0	4829.1	4892.0	5206.3	5499.7	5745.2	5597.0	5399.4	5139.0	4945.9	4914.4
47.5°	4860.5	4848.6	4960.8	5314.1	5685.3	5987.7	5914.4	5691.3	5439.9	5237.8	5207.8
50°	4796.2	4797.7	4984.8	5368.0	5760.2	6053.6	5980.2	5773.7	5549.1	5350.0	5326.1
52.5°	4770.7	4761.7	4939.9	5351.5	5836.5	6023.7	5859.0	5627.0	5377.0	5131.5	5095.6
55°	4860.5	4838.1	4945.9	5338.1	5845.5	6007.2	5573.1	5070.1	4558.2	4267.8	4243.8
57.5°	4995.3	4971.3	5022.2	5239.3	5377.0	4995.3	4101.6	3290.3	2763.3	2540.3	2443.0
60°	4460.9	4444.4	4405.5	4143.5	3553.7	2681.0	1826.3	1164.6	836.8	676.6	676.6
62.5°	2767.8	2745.4	2534.3	1883.1	1368.2	791.9	435.6	272.4	206.6	193.1	191.6
65°	776.9	772.4	639.2	452.1	287.4	178.1	157.2	160.2	157.2	152.7	151.2
67.5°	116.8	128.7	128.7	104.8	100.3	112.3	131.7	140.7	133.2	125.7	122.7
70°	74.8	80.8	77.8	67.4	71.9	83.8	94.3	95.8	91.3	83.8	82.3
72.5°	52.4	58.4	47.9	43.4	44.9	49.4	53.9	53.9	52.4	49.4	46.4
75°	31.4	31.4	22.5	21.0	21.0	22.5	22.5	25.4	25.4	24.0	22.5
77.5°	10.5	12.0	7.5	6.0	6.0	6.0	7.5	9.0	9.0	7.5	6.0
80°	1.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	1.5
82.5°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
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)