

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: P639816

Luminaire Tested: GWS-SA5C-750-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639816
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-SA5C-750-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15041.5 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

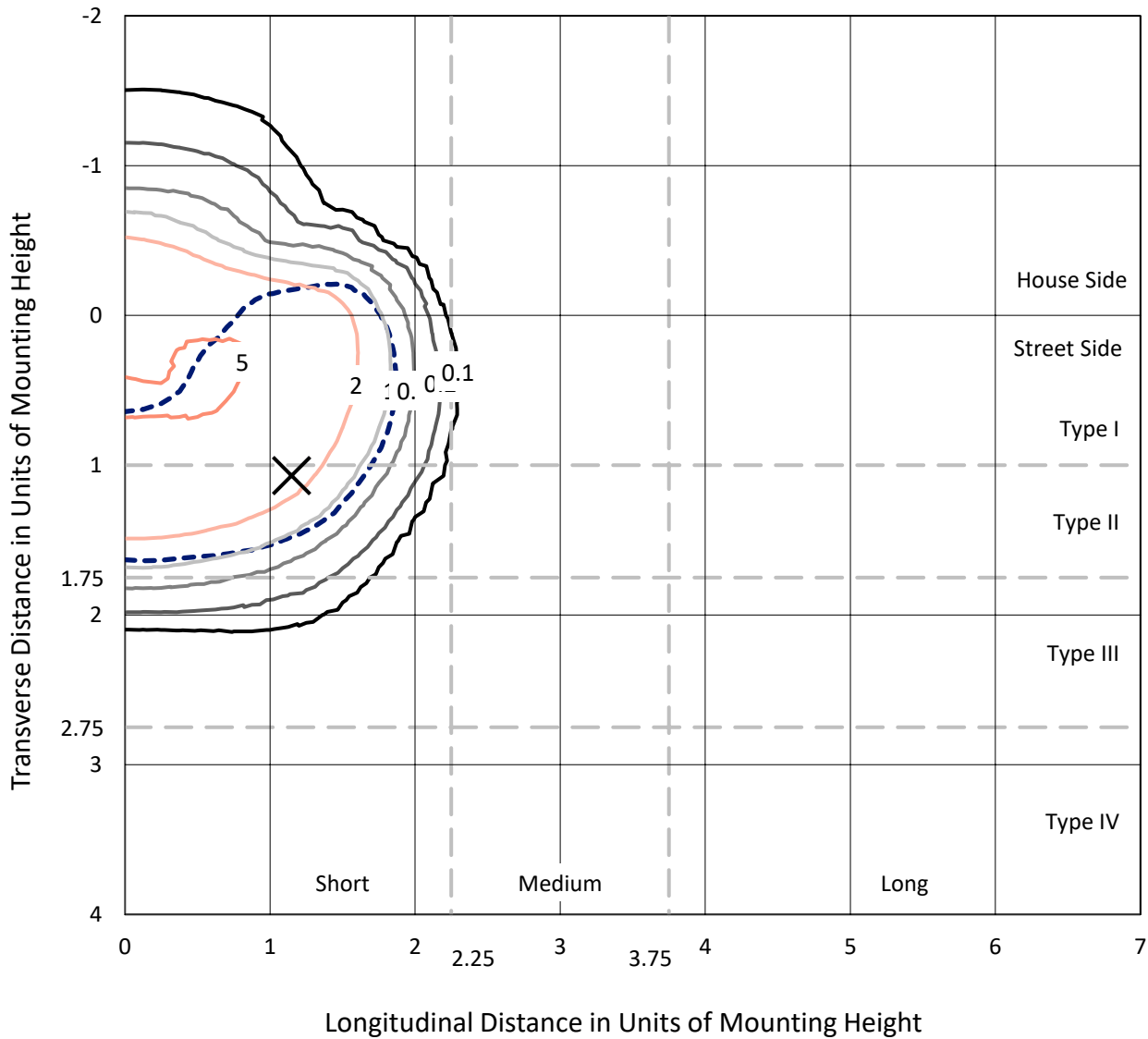
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

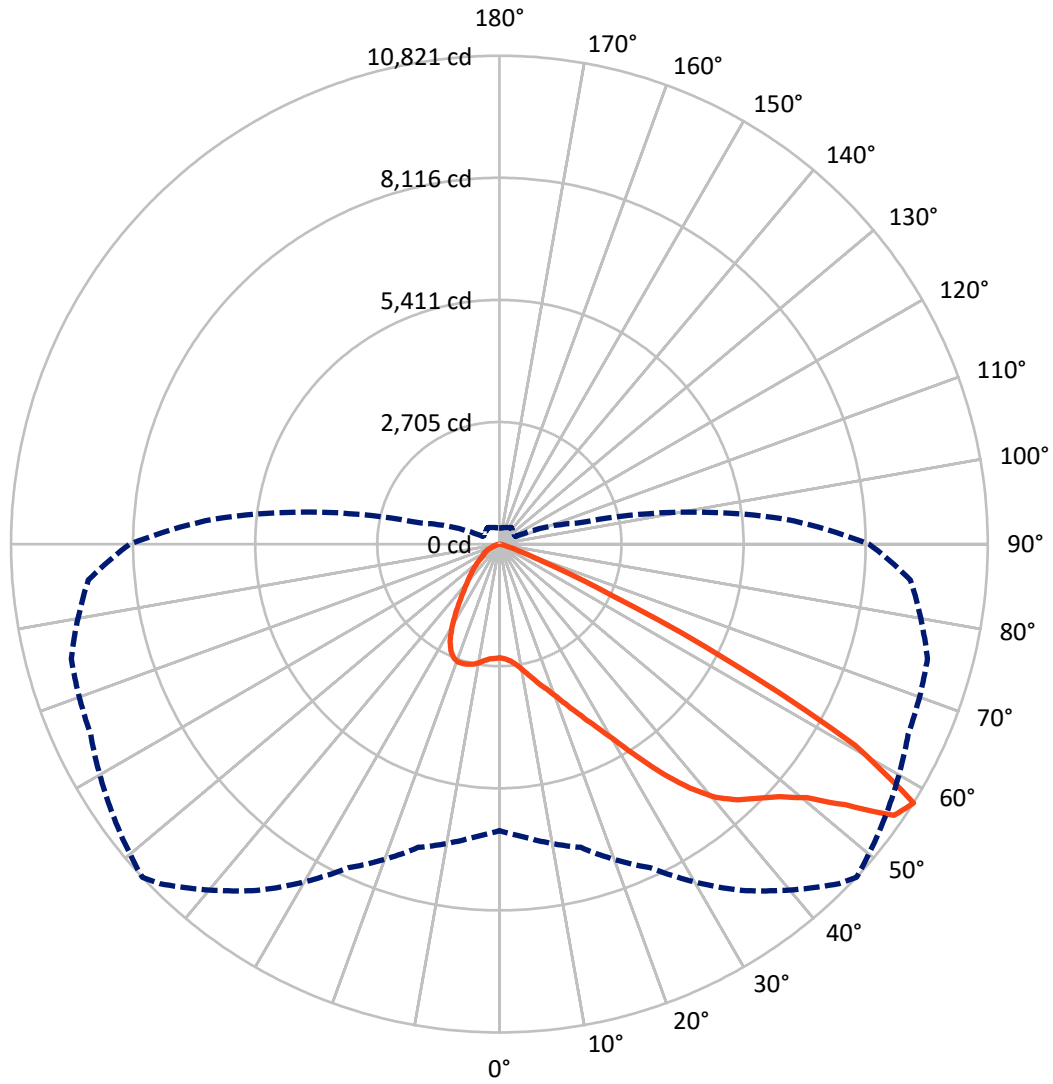
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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
House Side	Lumens	3263.2	0.0	3263.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	11778.2	0.0	11778.2
	% Fixture	78.3	0.0	78.3
Total	Lumens	15041.5	0.0	15041.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.5	1.7
10°-20°	845.3	5.6
20°-30°	1569.5	10.4
30°-40°	2512.4	16.7
40°-50°	3672.6	24.4
50°-60°	4532.6	30.1
60°-70°	1514.5	10.1
70°-80°	141.1	0.9
80°-90°	2.9	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°	15041.5	100.0
0°-180°	15041.5	100.0

Coefficient of Utilization



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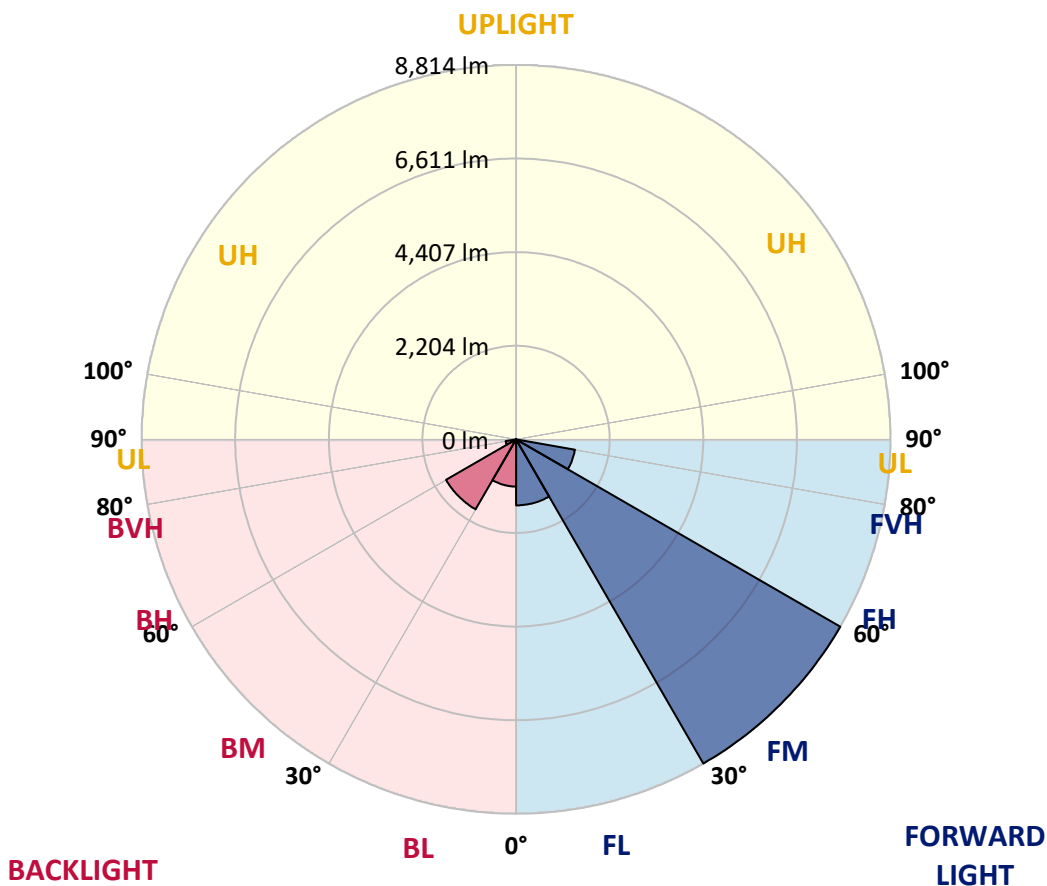
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1554.5	10.3			
FM (30°-60°)	8814.2	58.6			
FH (60°-80°)	1407.6	9.4			G1/1800
FVH (80°-90°)	2.0	0.0			G0/10
BL (0°-30°)	1110.8	7.4	B3/2500		
BM (30°-60°)	1903.5	12.7	B2/2500		
BH (60°-80°)	248.1	1.6	B1/500		G1/500
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2518.0	2518.0	2518.0	2518.0	2518.0	2518.0	2518.0	2518.0	2518.0	2518.0	2518.0
2.5°	2544.2	2542.4	2540.7	2551.1	2547.6	2545.9	2549.4	2549.4	2549.4	2538.9	2518.0
5°	2605.3	2605.3	2603.5	2614.0	2605.3	2600.0	2601.8	2601.8	2594.8	2575.6	2549.4
7.5°	2701.3	2697.8	2694.3	2704.8	2696.1	2694.3	2697.8	2687.3	2675.1	2643.7	2607.0
10°	2839.3	2839.3	2834.0	2844.5	2837.5	2834.0	2834.0	2827.0	2804.3	2755.4	2701.3
12.5°	3029.6	3020.9	3008.6	2999.9	2996.4	2994.7	2996.4	2985.9	2961.5	2898.6	2823.5
15°	3237.4	3230.4	3211.2	3197.2	3178.0	3174.5	3185.0	3176.3	3151.8	3066.3	2959.7
17.5°	3499.3	3508.0	3459.1	3429.5	3373.6	3370.1	3373.6	3387.6	3370.1	3260.1	3104.7
20°	3722.8	3729.8	3693.1	3672.2	3621.5	3598.8	3605.8	3628.5	3609.3	3480.1	3263.6
22.5°	3962.0	3970.8	3932.4	3888.7	3866.0	3866.0	3892.2	3923.6	3897.4	3728.1	3445.2
25°	4248.4	4255.4	4224.0	4166.3	4126.2	4176.8	4215.2	4299.0	4255.4	4024.9	3660.0
27.5°	4576.7	4578.4	4533.0	4473.7	4452.7	4547.0	4585.4	4714.6	4697.2	4358.4	3887.0
30°	4927.7	4929.4	4918.9	4878.8	4859.6	4983.5	5035.9	5222.8	5210.5	4772.3	4196.0
32.5°	5292.6	5292.6	5311.8	5308.3	5331.0	5533.6	5617.4	5830.4	5818.2	5278.6	4580.2
35°	5659.3	5661.1	5694.2	5778.0	5872.3	6141.2	6251.3	6509.7	6481.7	5884.6	5070.8
37.5°	6076.6	6059.2	6104.6	6230.3	6439.8	6750.7	6855.4	7101.6	7070.2	6504.4	5711.7
40°	6579.5	6548.1	6548.1	6694.8	6932.3	7290.2	7379.3	7501.5	7395.0	7005.6	6340.3
42.5°	7134.8	7105.1	7066.7	7195.9	7395.0	7674.4	7747.7	7714.5	7627.2	7478.8	7056.2
45°	7697.1	7651.7	7677.9	7756.4	7871.7	8004.4	8032.3	7878.7	7838.5	7880.4	7648.2
47.5°	8124.9	8093.5	8158.1	8268.1	8362.4	8381.6	8362.4	8149.3	8145.8	8294.3	8058.5
50°	8268.1	8271.6	8449.7	8690.6	8842.6	8858.3	8832.1	8587.6	8554.4	8598.1	8280.3
52.5°	8282.0	8296.0	8556.2	9015.4	9429.3	9617.9	9596.9	9333.2	9008.4	8961.3	8615.6
55°	7945.0	8027.1	8390.3	9060.8	9940.9	10543.3	10613.2	10108.5	9626.6	9586.4	9336.7
57.5°	6350.8	6518.4	6956.7	7911.9	9369.9	10639.4	10821.0	10457.8	9991.5	9820.4	9142.9
60°	3796.2	4003.9	4424.8	5596.4	7131.3	8744.8	9057.3	9108.0	8893.2	8399.0	7014.3
62.5°	1629.2	1611.7	2130.3	3027.8	4241.4	5558.0	5699.5	5919.5	6106.3	5589.5	4257.1
65°	558.8	607.7	845.1	1365.5	2123.3	2580.8	2706.5	2903.9	3169.3	2615.7	1559.3
67.5°	345.7	366.7	487.2	806.7	1145.5	1128.0	1072.1	1040.7	1012.8	693.2	427.8
70°	251.4	268.9	342.2	555.3	770.1	541.3	469.7	380.7	422.6	389.4	303.8
72.5°	169.4	183.3	235.7	337.0	394.6	263.7	244.5	277.6	335.3	319.5	248.0
75°	101.3	110.0	134.5	164.1	160.6	136.2	137.9	195.6	256.7	239.2	176.4
77.5°	69.8	73.3	89.1	106.5	78.6	41.9	38.4	54.1	87.3	87.3	59.4
80°	17.5	22.7	22.7	14.0	12.2	10.5	10.5	15.7	24.4	17.5	8.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5	3.5	3.5
85°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5	3.5
87.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5
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°	2518.0	2518.0	2518.0	2518.0	2518.0	2518.0	2518.0	2518.0	2518.0	2518.0	2518.0
2.5°	2530.2	2509.2	2523.2	2519.7	2530.2	2533.7	2518.0	2514.5	2516.2	2495.3	2488.3
5°	2554.6	2530.2	2537.2	2530.2	2542.4	2552.9	2547.6	2554.6	2563.4	2547.6	2540.7
7.5°	2607.0	2582.6	2580.8	2570.3	2587.8	2594.8	2593.0	2612.3	2629.7	2619.2	2608.8
10°	2697.8	2664.6	2661.1	2652.4	2657.7	2662.9	2643.7	2647.2	2662.9	2650.7	2645.4
12.5°	2809.6	2769.4	2760.7	2739.7	2739.7	2713.5	2671.6	2662.9	2675.1	2666.4	2657.7
15°	2930.1	2875.9	2862.0	2825.3	2790.4	2741.5	2697.8	2687.3	2696.1	2685.6	2678.6
17.5°	3064.5	3003.4	2958.0	2893.4	2816.6	2758.9	2710.0	2687.3	2673.4	2652.4	2650.7
20°	3197.2	3116.9	3040.1	2937.0	2835.8	2748.5	2668.1	2608.8	2558.1	2526.7	2514.5
22.5°	3350.9	3232.1	3108.2	2963.2	2818.3	2685.6	2544.2	2442.9	2355.6	2325.9	2311.9
25°	3515.0	3361.4	3176.3	2987.7	2758.9	2545.9	2353.8	2203.7	2088.4	2050.0	2034.3
27.5°	3696.6	3485.3	3246.1	2982.4	2636.7	2346.8	2091.9	1905.1	1791.6	1756.6	1768.9
30°	3927.1	3646.0	3333.4	2928.3	2453.4	2067.5	1768.9	1611.7	1526.1	1493.0	1494.7
32.5°	4234.4	3876.5	3460.9	2813.1	2217.6	1749.7	1487.7	1372.5	1314.9	1271.2	1267.7
35°	4674.5	4227.5	3579.6	2628.0	1931.3	1466.8	1276.4	1185.6	1105.3	1054.7	1063.4
37.5°	5201.8	4669.2	3644.2	2378.3	1610.0	1246.8	1117.5	1025.0	934.2	859.1	867.8
40°	5826.9	5247.2	3639.0	2050.0	1316.6	1096.6	984.8	876.6	763.1	695.0	702.0
42.5°	6523.7	5793.8	3525.5	1702.5	1091.4	974.4	857.4	721.2	611.2	569.2	571.0
45°	7127.8	6237.3	3326.4	1342.8	918.5	855.6	724.7	585.0	536.1	506.4	504.6
47.5°	7574.8	6562.1	3041.8	1056.4	778.8	747.4	595.4	523.8	485.4	461.0	457.5
50°	7824.5	6675.6	2727.5	827.7	658.3	633.9	532.6	475.0	448.8	433.0	429.6
52.5°	8159.8	6811.8	2502.2	653.1	551.8	518.6	490.7	441.8	424.3	412.1	406.9
55°	8690.6	7075.4	2306.7	518.6	459.2	452.3	462.7	422.6	412.1	392.9	385.9
57.5°	8191.2	6356.0	1791.6	401.6	387.6	413.8	447.0	403.4	377.2	359.7	352.7
60°	5764.1	4225.7	901.0	323.0	345.7	387.6	420.8	364.9	338.8	342.2	338.8
62.5°	3178.0	2114.6	405.1	270.7	300.3	342.2	359.7	316.1	298.6	328.3	333.5
65°	1039.0	719.4	234.0	209.5	237.5	279.4	310.8	300.3	296.8	331.8	342.2
67.5°	319.5	237.5	158.9	150.2	164.1	206.0	261.9	324.8	349.2	359.7	364.9
70°	239.2	186.8	136.2	127.5	134.5	157.2	221.8	270.7	254.9	256.7	253.2
72.5°	192.1	148.4	117.0	111.8	111.8	108.3	117.0	146.7	165.9	174.6	174.6
75°	134.5	104.8	89.1	82.1	64.6	52.4	47.1	47.1	41.9	40.2	38.4
77.5°	45.4	38.4	34.9	27.9	19.2	15.7	14.0	12.2	8.7	5.2	3.5
80°	7.0	5.2	3.5	3.5	3.5	1.7	1.7	1.7	0.0	0.0	0.0
82.5°	3.5	3.5	3.5	3.5	3.5	1.7	1.7	0.0	0.0	0.0	0.0
85°	3.5	3.5	3.5	3.5	3.5	1.7	1.7	0.0	0.0	0.0	0.0
87.5°	3.5	3.5	3.5	3.5	1.7	1.7	1.7	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)