

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: P635365

Luminaire Tested: GWS-SA3D-750-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-750-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11290.3 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

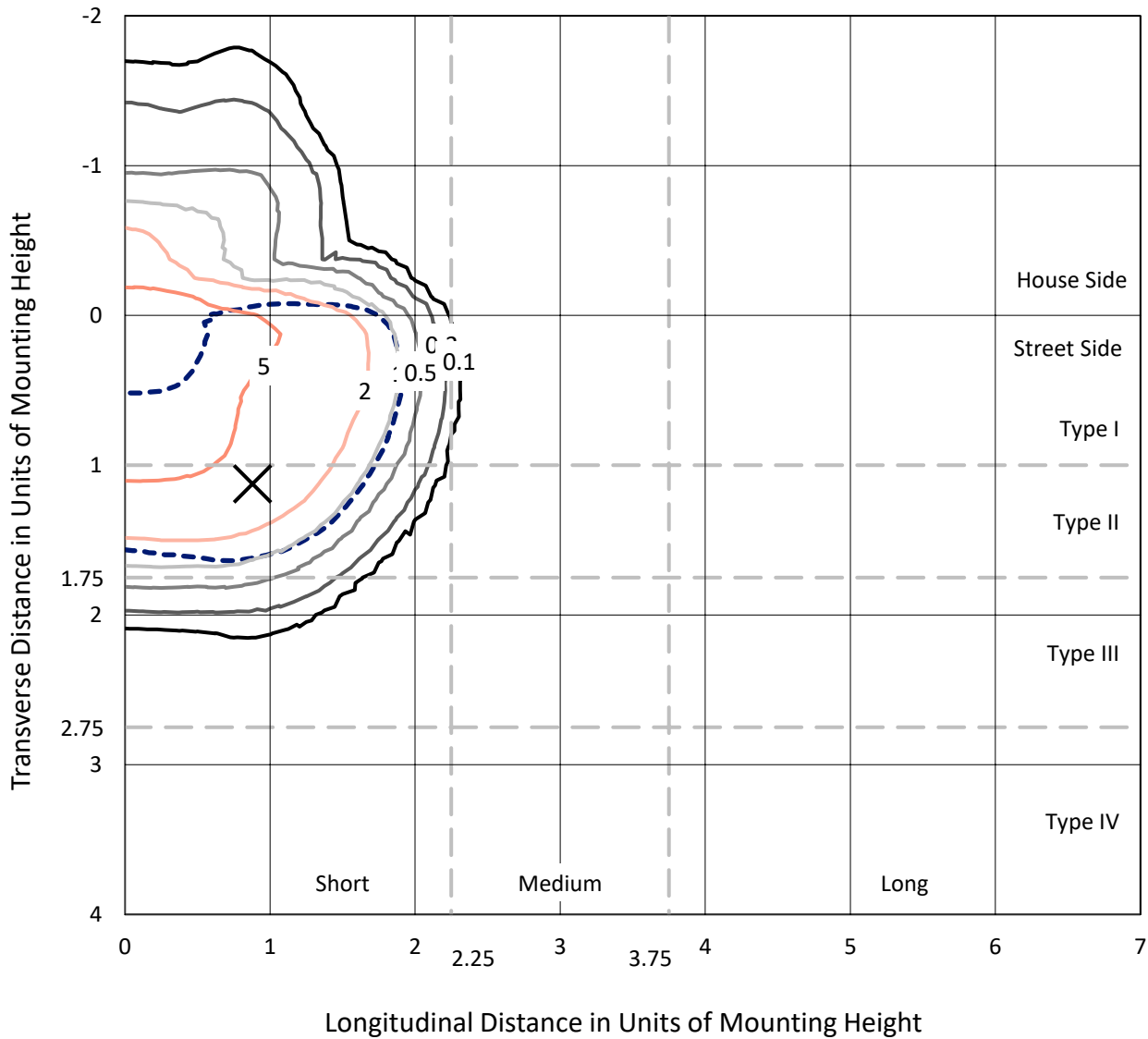
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

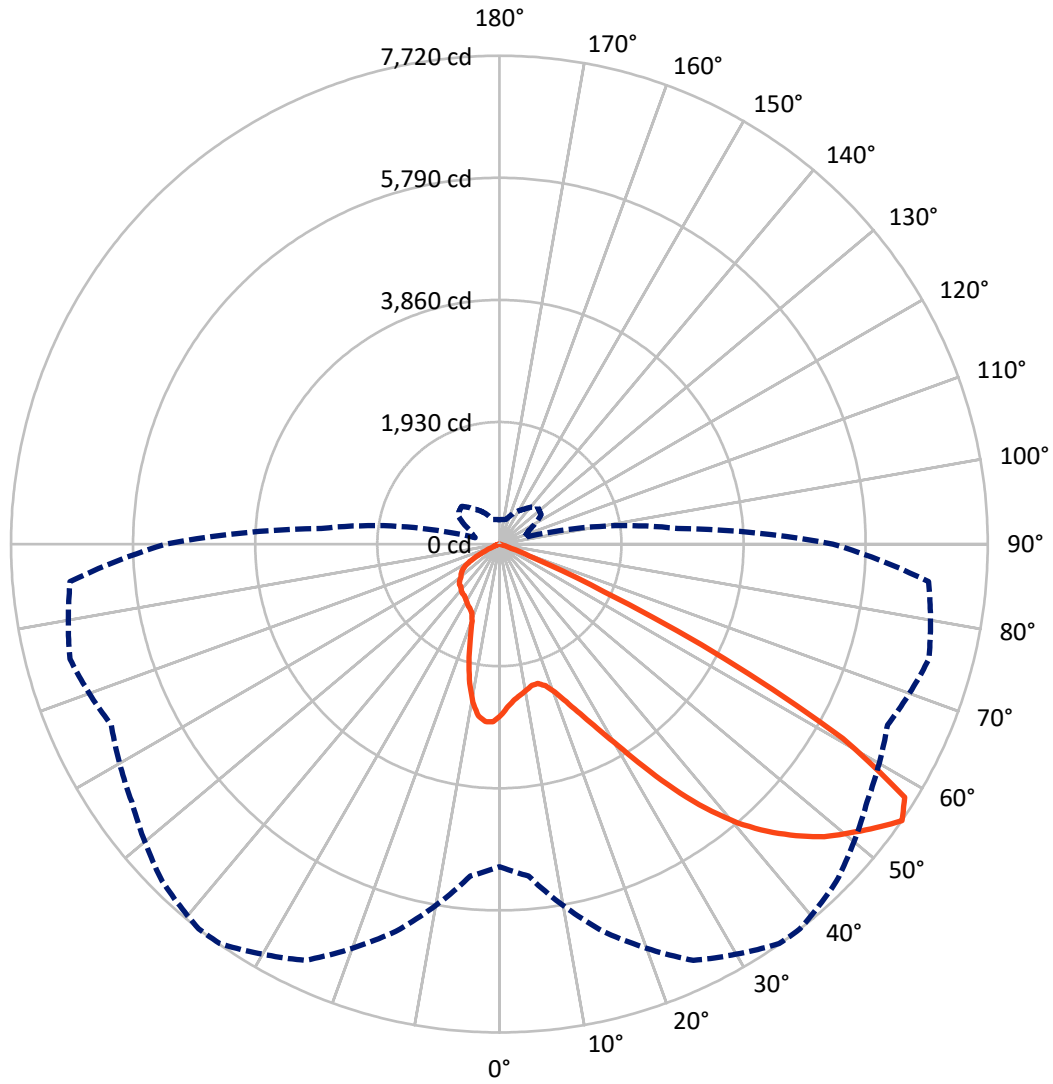
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2199.7	0.0	2199.7
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	9090.6	0.0	9090.6
	% Fixture	80.5	0.0	80.5
Total	Lumens	11290.3	0.0	11290.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.3	2.2
10°-20°	674.0	6.0
20°-30°	1156.5	10.2
30°-40°	1918.2	17.0
40°-50°	2819.9	25.0
50°-60°	3295.1	29.2
60°-70°	1116.9	9.9
70°-80°	57.1	0.5
80°-90°	2.3	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°	11290.3	100.0
0°-180°	11290.3	100.0

Coefficient of Utilization



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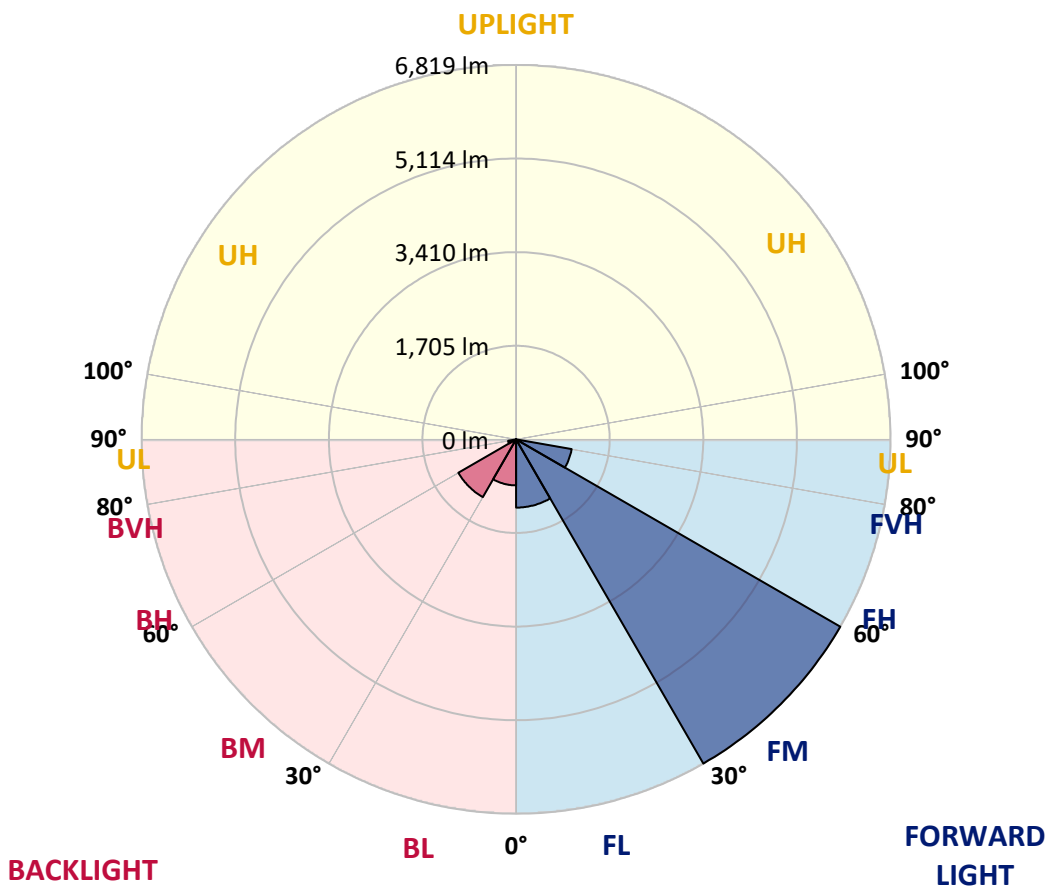
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1242.8	11.0			
FM (30°-60°)	6819.0	60.4			
FH (60°-80°)	1027.6	9.1			G1/1800
FVH (80°-90°)	1.2	0.0			G0/10
BL (0°-30°)	838.1	7.4	B2/1000		
BM (30°-60°)	1214.1	10.8	B2/2500		
BH (60°-80°)	146.4	1.3	B1/500		G1/500
BVH (80°-90°)	1.1	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°	38°	45°	55°	65°	75°	85°
0°	2707.5	2707.5	2707.5	2707.5	2707.5	2707.5	2707.5	2707.5	2707.5	2707.5	2707.5
2.5°	2521.7	2516.5	2526.8	2547.5	2566.8	2573.3	2592.6	2619.7	2636.5	2676.5	2708.8
5°	2408.1	2405.5	2415.8	2433.9	2459.7	2468.8	2498.4	2543.6	2588.8	2658.5	2726.9
7.5°	2304.9	2303.6	2319.1	2359.1	2396.5	2408.1	2444.2	2499.7	2560.4	2667.5	2768.2
10°	2169.4	2170.6	2200.3	2257.1	2325.5	2348.7	2406.8	2486.8	2565.5	2703.6	2843.0
12.5°	2125.5	2128.1	2143.5	2187.4	2262.3	2292.0	2373.3	2494.6	2595.2	2755.2	2939.8
15°	2232.6	2232.6	2219.7	2224.8	2258.4	2285.5	2370.7	2520.4	2645.6	2817.2	3035.3
17.5°	2440.4	2432.6	2400.4	2356.5	2344.9	2353.9	2422.3	2575.9	2716.5	2889.5	3143.7
20°	2721.7	2724.3	2661.0	2569.4	2495.9	2494.6	2535.9	2673.9	2818.5	2975.9	3261.1
22.5°	3062.4	3052.1	2968.2	2843.0	2715.2	2704.9	2721.7	2823.6	2965.6	3112.7	3405.7
25°	3457.3	3452.1	3333.4	3165.6	2996.6	2972.1	2972.1	3072.7	3176.0	3307.6	3578.6
27.5°	3870.3	3870.3	3755.4	3561.8	3337.3	3293.4	3286.9	3405.7	3474.1	3499.9	3724.4
30°	4294.8	4289.7	4176.1	3977.4	3737.3	3692.2	3674.1	3761.9	3810.9	3733.5	3906.4
32.5°	4725.9	4734.9	4620.0	4435.5	4221.3	4191.6	4136.1	4136.1	4176.1	4067.7	4192.9
35°	5189.2	5186.6	5096.2	4971.1	4787.8	4754.3	4662.6	4519.4	4580.0	4532.3	4589.1
37.5°	5598.3	5617.6	5573.7	5480.8	5332.4	5298.9	5147.9	4888.5	4934.9	5009.8	5060.1
40°	6013.8	6029.3	6073.2	6043.5	5856.4	5794.4	5526.0	5100.1	5151.7	5408.5	5553.1
42.5°	6421.6	6429.3	6518.4	6567.4	6317.1	6208.7	5812.5	5229.2	5283.4	5720.9	5973.8
45°	6681.0	6697.8	6844.9	6994.6	6723.6	6575.2	6061.5	5394.4	5417.6	5937.7	6284.8
47.5°	6670.7	6709.4	6985.6	7257.9	7073.3	6913.3	6360.9	5658.9	5620.2	6141.6	6490.0
50°	6462.9	6509.4	6905.5	7337.9	7325.0	7176.6	6693.9	6042.2	5920.9	6322.2	6515.8
52.5°	6031.9	6166.1	6764.9	7348.2	7527.6	7452.7	7105.6	6558.4	6327.4	6581.6	6557.1
55°	5100.1	5265.3	6337.7	7260.4	7710.8	7719.9	7537.9	7096.5	6768.8	7028.1	6811.3
57.5°	3871.5	4003.2	4878.1	6462.9	7407.6	7556.0	7705.7	7380.5	7041.0	7332.7	6870.7
60°	2333.3	2485.5	3054.6	4742.6	5982.8	6235.8	6823.0	6759.7	6350.6	6475.8	5634.4
62.5°	945.9	1026.0	1410.5	2613.3	3765.7	4001.9	4564.6	4660.0	4559.4	4431.6	3417.3
65°	345.9	378.1	565.2	1080.2	1731.9	1818.3	2115.2	2284.2	2423.6	2063.5	1271.2
67.5°	214.2	234.9	367.8	554.9	629.8	585.9	596.2	711.1	678.8	419.4	227.1
70°	158.7	175.5	287.8	384.6	254.2	196.2	132.9	142.0	127.8	112.3	111.0
72.5°	109.7	125.2	215.5	227.1	98.1	69.7	49.0	68.4	77.4	76.1	78.7
75°	72.3	83.9	135.5	89.0	24.5	19.4	16.8	36.1	46.5	46.5	47.7
77.5°	42.6	49.0	47.7	18.1	5.2	5.2	3.9	6.5	10.3	11.6	14.2
80°	5.2	3.9	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9
82.5°	1.3	1.3	1.3	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9
85°	0.0	0.0	1.3	1.3	2.6	2.6	2.6	2.6	2.6	3.9	3.9
87.5°	0.0	0.0	1.3	1.3	2.6	2.6	2.6	2.6	2.6	3.9	3.9
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°	2707.5	2707.5	2707.5	2707.5	2707.5	2707.5	2707.5	2707.5	2707.5	2707.5	2707.5
2.5°	2733.3	2724.3	2761.7	2788.8	2810.7	2821.1	2806.9	2805.6	2805.6	2777.2	2769.4
5°	2765.6	2769.4	2822.4	2845.6	2849.5	2836.6	2804.3	2782.4	2769.4	2739.8	2723.0
7.5°	2827.5	2840.4	2890.8	2886.9	2852.0	2792.7	2707.5	2641.7	2599.1	2552.6	2524.2
10°	2916.6	2941.1	2972.1	2917.9	2806.9	2655.9	2480.4	2355.2	2280.3	2227.4	2195.2
12.5°	3025.0	3049.5	3039.2	2911.4	2680.4	2410.7	2184.8	2004.2	1917.7	1870.0	1836.4
15°	3134.7	3150.1	3083.0	2834.0	2457.1	2094.5	1842.9	1663.5	1557.7	1518.9	1490.5
17.5°	3246.9	3243.1	3090.8	2681.7	2159.0	1738.3	1490.5	1367.9	1338.3	1331.8	1329.2
20°	3364.4	3329.5	3059.8	2463.6	1800.3	1386.0	1245.3	1253.1	1307.3	1333.1	1338.3
22.5°	3498.6	3410.8	2982.4	2168.1	1433.8	1155.0	1169.2	1245.3	1318.9	1353.8	1358.9
25°	3641.8	3485.7	2853.3	1788.7	1130.5	1062.1	1146.0	1233.7	1312.5	1355.0	1360.2
27.5°	3736.0	3503.7	2641.7	1406.7	970.5	1026.0	1115.0	1198.9	1280.2	1326.6	1333.1
30°	3838.0	3496.0	2353.9	1084.0	916.3	995.0	1072.4	1148.6	1223.4	1275.0	1280.2
32.5°	3987.7	3490.8	2002.9	880.1	894.3	970.5	1027.2	1090.5	1142.1	1171.8	1167.9
35°	4183.8	3484.4	1593.8	793.7	881.4	951.1	996.3	1026.0	969.2	951.1	955.0
37.5°	4435.5	3499.9	1249.2	757.5	877.6	945.9	984.7	899.5	811.7	778.2	773.0
40°	4714.3	3539.9	952.4	743.3	890.5	958.9	940.8	800.1	691.7	625.9	611.7
42.5°	4994.3	3583.8	753.7	738.2	912.4	995.0	868.5	727.9	565.2	527.8	522.7
45°	5202.1	3576.0	651.7	729.1	931.8	1015.6	849.2	624.6	504.6	487.8	489.1
47.5°	5306.6	3490.8	596.2	708.5	939.5	995.0	801.4	582.0	463.3	481.4	496.8
50°	5251.1	3270.2	544.6	668.5	922.7	967.9	725.3	549.8	442.6	517.5	552.3
52.5°	5184.0	2999.2	487.8	606.5	882.7	930.5	695.6	540.7	429.7	499.4	525.2
55°	5273.0	2827.5	394.9	511.0	804.0	842.7	672.4	539.4	400.1	388.4	384.6
57.5°	5147.9	2485.5	282.6	367.8	616.9	667.2	655.6	530.4	354.9	353.6	358.8
60°	3978.7	1516.4	193.6	233.6	378.1	425.9	594.9	507.2	305.9	281.3	282.6
62.5°	2261.0	645.3	132.9	144.5	193.6	229.7	454.3	460.7	282.6	268.4	282.6
65°	787.2	231.0	103.2	96.8	107.1	122.6	260.7	356.2	256.8	232.3	234.9
67.5°	162.6	114.9	91.6	80.0	80.0	80.0	132.9	222.0	211.6	184.5	187.1
70°	103.2	98.1	80.0	68.4	65.8	60.7	76.1	122.6	145.8	134.2	135.5
72.5°	76.1	74.8	63.2	55.5	49.0	43.9	47.7	60.7	74.8	77.4	78.7
75°	46.5	47.7	41.3	34.8	31.0	27.1	28.4	28.4	28.4	25.8	28.4
77.5°	14.2	15.5	12.9	10.3	9.0	9.0	9.0	7.7	6.5	3.9	3.9
80°	3.9	3.9	3.9	3.9	3.9	2.6	2.6	1.3	1.3	0.0	0.0
82.5°	3.9	3.9	3.9	3.9	2.6	2.6	1.3	1.3	0.0	0.0	0.0
85°	3.9	3.9	3.9	3.9	2.6	2.6	1.3	1.3	0.0	0.0	0.0
87.5°	3.9	3.9	3.9	3.9	2.6	2.6	1.3	1.3	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)