

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: P635232

Luminaire Tested: GWS-SA3D-735-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-735-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13675.8 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

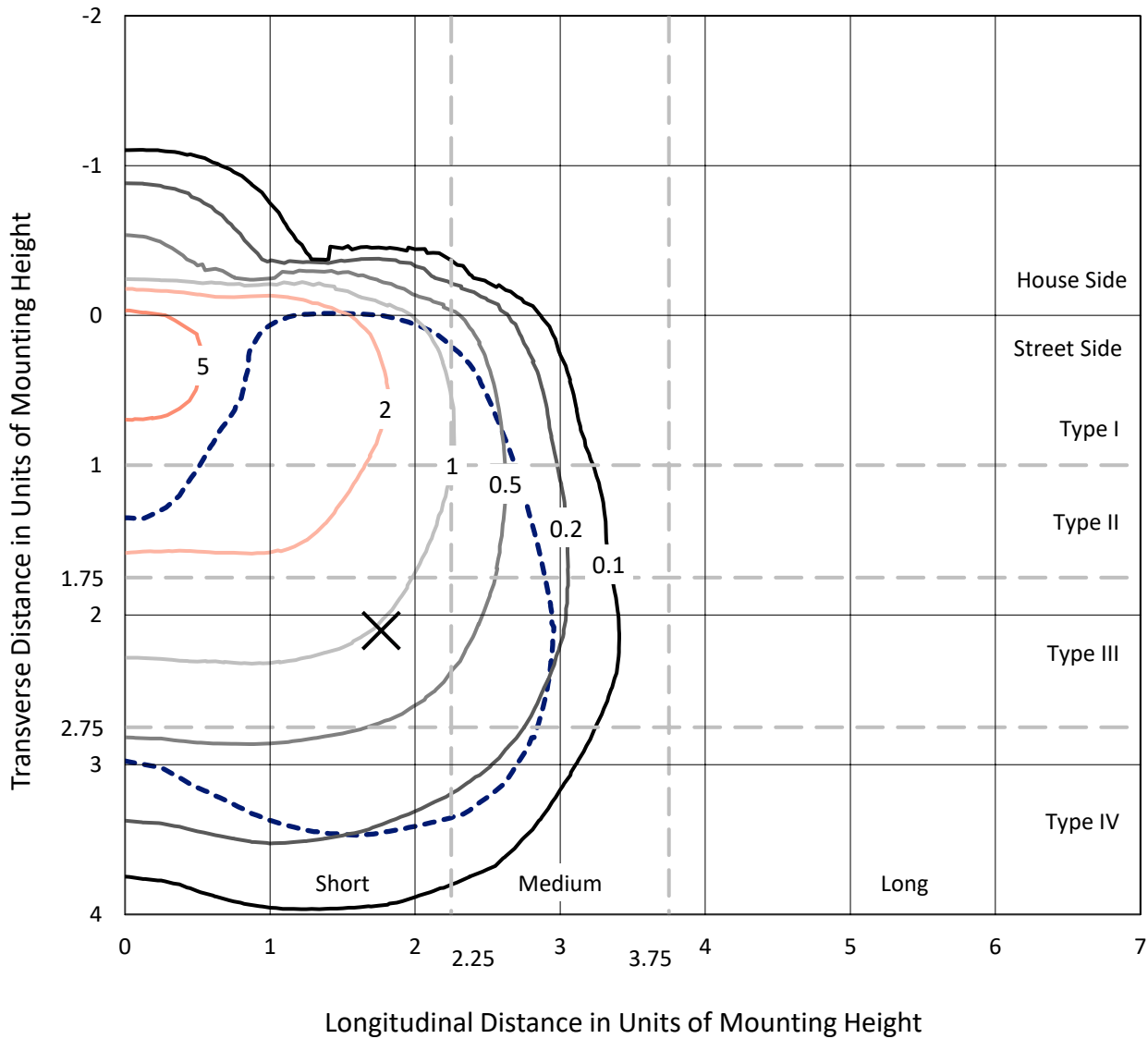
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

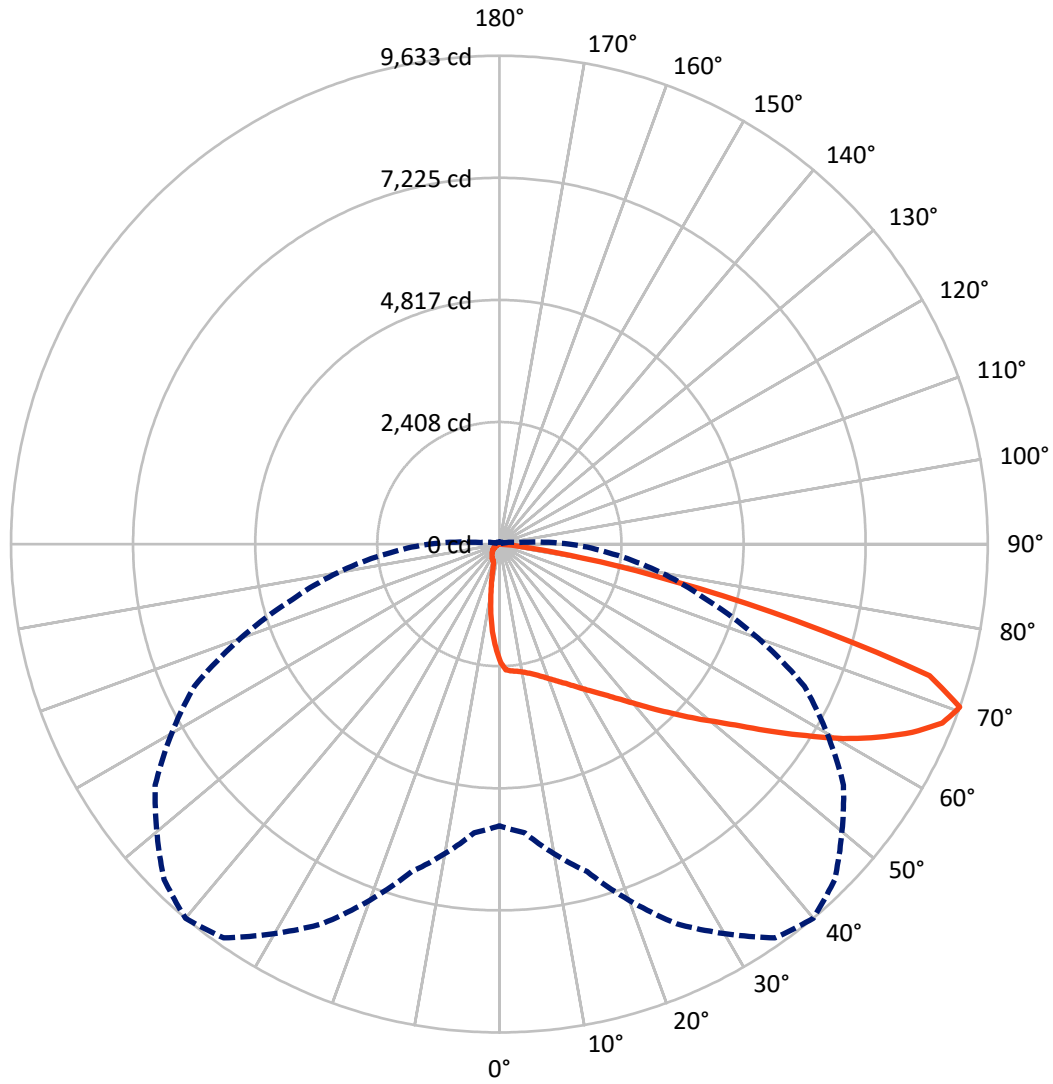
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1118.3	0.0	1118.3
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	12557.5	0.0	12557.5
	% Fixture	91.8	0.0	91.8
Total	Lumens	13675.8	0.0	13675.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.1	1.4
10°-20°	497.5	3.6
20°-30°	832.6	6.1
30°-40°	1307.7	9.6
40°-50°	2068.4	15.1
50°-60°	3017.3	22.1
60°-70°	3740.3	27.4
70°-80°	1892.4	13.8
80°-90°	123.5	0.9
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°	13675.8	100.0
0°-180°	13675.8	100.0

Coefficient of Utilization



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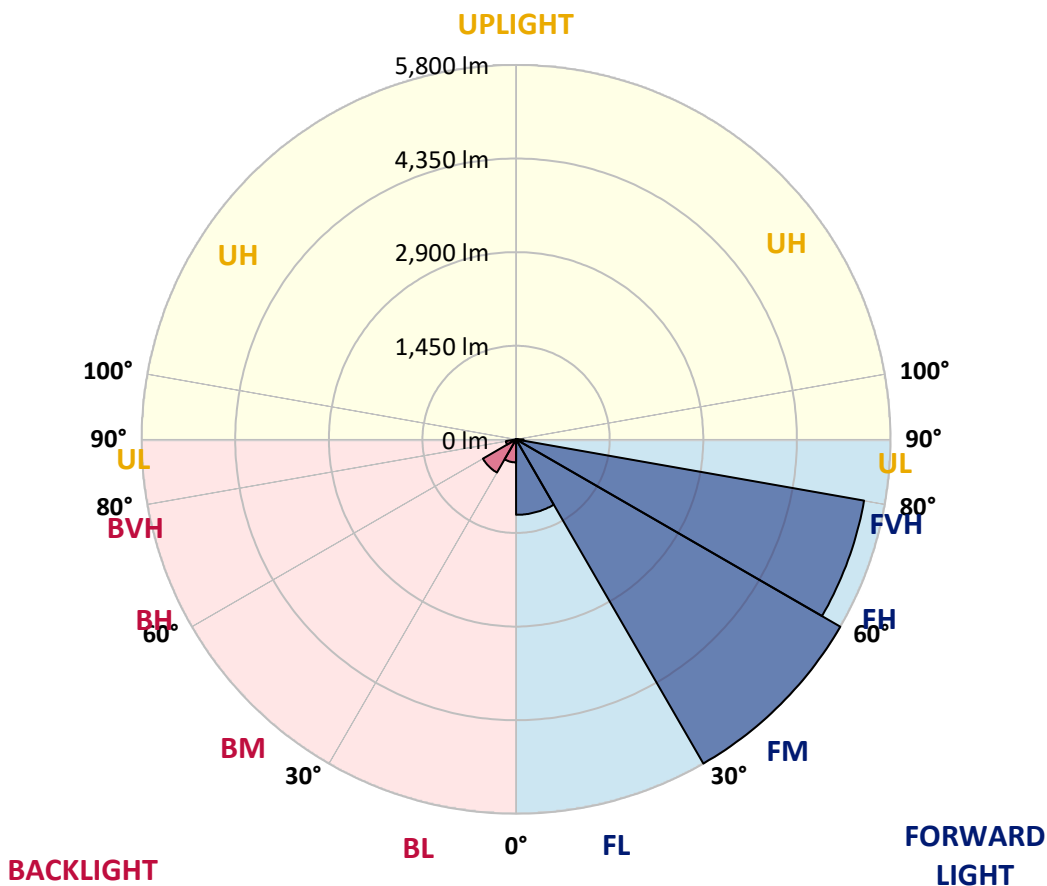
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1169.0	8.5			
FM (30°-60°)	5799.8	42.4			
FH (60°-80°)	5473.3	40.0			G3/7500
FVH (80°-90°)	115.4	0.8			G2/225
BL (0°-30°)	357.1	2.6	B1/500		
BM (30°-60°)	593.6	4.3	B1/1000		
BH (60°-80°)	159.4	1.2	B1/500		G1/500
BVH (80°-90°)	8.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6
2.5°	2494.8	2503.5	2502.3	2506.0	2497.3	2483.6	2481.1	2462.5	2428.9	2386.6	2339.3
5°	2545.8	2555.8	2548.3	2544.6	2528.4	2513.5	2509.8	2489.8	2451.3	2394.0	2311.9
7.5°	2589.4	2591.9	2586.9	2578.2	2554.5	2534.6	2521.0	2493.6	2447.5	2390.3	2295.7
10°	2596.9	2595.6	2598.1	2599.3	2584.4	2567.0	2555.8	2518.5	2460.0	2399.0	2297.0
12.5°	2588.1	2588.1	2604.3	2623.0	2623.0	2614.3	2603.1	2569.5	2501.0	2428.9	2321.9
15°	2599.3	2603.1	2634.2	2669.0	2680.2	2671.5	2666.5	2631.7	2560.8	2481.1	2366.7
17.5°	2639.2	2642.9	2692.7	2744.9	2758.6	2748.7	2738.7	2703.9	2628.0	2540.9	2417.7
20°	2697.6	2707.6	2771.1	2838.2	2850.7	2838.2	2818.3	2769.8	2693.9	2605.6	2466.2
22.5°	2804.7	2810.9	2879.3	2950.2	2956.5	2936.5	2906.7	2839.5	2759.9	2674.0	2521.0
25°	2946.5	2955.2	3023.6	3092.1	3075.9	3046.0	3005.0	2929.1	2838.2	2754.9	2590.6
27.5°	3115.7	3125.7	3192.9	3252.6	3210.3	3175.5	3129.4	3034.8	2942.8	2866.9	2680.2
30°	3298.6	3307.3	3367.1	3420.6	3364.6	3323.5	3268.8	3171.7	3078.4	3021.2	2807.1
32.5°	3475.3	3474.1	3531.3	3574.9	3517.6	3485.3	3435.5	3337.2	3262.6	3237.7	2996.3
35°	3639.6	3639.6	3686.9	3730.4	3689.3	3671.9	3625.9	3547.5	3505.2	3535.1	3248.9
37.5°	3805.1	3796.4	3841.2	3889.7	3885.9	3887.2	3861.1	3823.7	3826.2	3932.0	3596.0
40°	3941.9	3938.2	3990.5	4053.9	4103.7	4143.5	4127.3	4141.0	4219.4	4417.3	4040.2
42.5°	4051.4	4060.2	4127.3	4228.1	4353.8	4434.7	4445.9	4501.9	4703.5	5009.6	4541.7
45°	4177.1	4178.4	4271.7	4426.0	4626.3	4754.5	4799.3	4943.6	5229.8	5624.2	5091.7
47.5°	4331.4	4316.5	4421.0	4637.5	4927.4	5116.6	5196.2	5376.6	5819.6	6224.0	5539.6
50°	4501.9	4474.5	4592.7	4887.6	5264.6	5501.0	5662.8	5926.6	6404.4	6716.7	5873.1
52.5°	4699.7	4673.6	4808.0	5175.0	5669.0	5956.5	6164.3	6430.5	6905.9	7092.5	6072.2
55°	4951.1	4924.9	5066.8	5519.7	6146.8	6520.1	6737.9	6961.9	7372.5	7370.0	6216.5
57.5°	5229.8	5193.7	5390.3	5955.2	6742.9	7131.1	7352.6	7462.1	7727.1	7585.3	6313.6
60°	5549.6	5517.2	5789.7	6474.1	7431.0	7790.6	7929.9	7885.1	8018.3	7712.2	6280.0
62.5°	5838.3	5823.3	6161.8	7024.1	8086.7	8390.3	8428.9	8233.5	8232.3	7714.7	6053.5
65°	6138.1	6166.8	6669.4	7657.4	8746.2	8950.2	8884.3	8579.4	8318.1	7409.8	5384.1
67.5°	6250.1	6333.5	7004.2	8229.8	9266.3	9425.6	9309.9	8752.4	7961.0	6384.5	4100.0
70°	5558.3	5715.1	6688.1	8262.2	9481.6	9633.4	9355.9	8287.0	6637.1	4229.4	2246.0
72.5°	4226.9	4409.8	5573.2	6765.3	8527.2	8873.1	8399.0	6751.6	4277.9	1852.8	754.0
75°	2365.4	2563.3	4151.0	5094.2	5725.0	6041.1	5866.9	4331.4	1895.1	484.0	225.2
77.5°	800.1	866.0	1931.2	3151.8	3778.9	3495.2	2958.9	2151.4	696.8	184.2	119.5
80°	474.1	499.0	719.2	1569.1	1988.4	1648.7	1301.5	795.1	354.6	98.3	83.4
82.5°	141.9	168.0	396.9	582.3	778.9	485.3	410.6	454.2	184.2	53.5	69.7
85°	0.0	0.0	84.6	180.4	204.1	79.6	79.6	257.6	33.6	22.4	51.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	6.2	3.7	5.0	11.2
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°	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6
2.5°	2305.7	2262.1	2211.1	2162.6	2116.6	2056.8	2028.2	1993.4	1963.5	1947.3	1956.0
5°	2259.6	2191.2	2086.7	1980.9	1873.9	1773.1	1682.3	1621.3	1566.6	1538.0	1544.2
7.5°	2219.8	2127.8	1964.7	1791.8	1620.1	1447.1	1306.5	1197.0	1112.4	1077.6	1071.3
10°	2202.4	2086.7	1856.5	1607.6	1343.8	1111.2	912.1	791.4	705.5	663.2	670.7
12.5°	2211.1	2065.5	1764.4	1427.2	1085.0	813.8	623.4	510.2	449.2	424.3	418.1
15°	2236.0	2060.6	1682.3	1243.1	837.4	568.6	430.5	384.5	372.0	369.6	369.6
17.5°	2264.6	2061.8	1597.7	1056.4	635.8	421.8	368.3	359.6	355.9	353.4	354.6
20°	2293.2	2061.8	1500.6	867.3	477.8	364.6	350.9	344.7	340.9	339.7	339.7
22.5°	2328.1	2061.8	1392.4	691.8	383.2	345.9	334.7	331.0	327.3	326.0	324.8
25°	2370.4	2063.0	1272.9	541.3	348.4	329.7	321.0	317.3	313.6	311.1	311.1
27.5°	2431.4	2073.0	1141.0	421.8	328.5	314.8	307.3	303.6	299.9	296.1	296.1
30°	2519.7	2097.9	993.0	348.4	309.8	298.6	291.2	288.7	284.9	281.2	280.0
32.5°	2651.6	2141.4	839.9	312.3	292.4	281.2	272.5	270.0	266.3	262.5	261.3
35°	2835.8	2221.1	690.6	289.9	270.0	258.8	253.8	252.6	247.6	243.9	243.9
37.5°	3105.8	2350.5	547.5	267.5	251.3	242.6	236.4	233.9	229.0	225.2	224.0
40°	3435.5	2518.5	425.6	250.1	233.9	225.2	219.0	215.3	209.0	204.1	201.6
42.5°	3856.1	2723.8	336.0	231.4	217.8	209.0	204.1	196.6	187.9	180.4	179.2
45°	4294.1	2935.3	277.5	214.0	202.8	195.4	189.1	179.2	166.7	158.0	155.5
47.5°	4630.0	3067.2	242.6	195.4	186.6	180.4	173.0	160.5	145.6	135.6	133.1
50°	4870.2	3087.1	216.5	177.9	173.0	166.7	155.5	140.6	124.4	114.5	112.0
52.5°	4988.4	2997.5	195.4	161.8	158.0	151.8	138.1	121.9	104.5	94.6	92.1
55°	5041.9	2828.3	175.4	148.1	143.1	135.6	120.7	103.3	85.9	77.1	74.7
57.5°	5020.8	2578.2	158.0	134.4	128.2	119.5	103.3	84.6	70.9	62.2	61.0
60°	4864.0	2227.3	140.6	120.7	113.2	103.3	87.1	69.7	57.2	51.0	49.8
62.5°	4525.5	1791.8	123.2	104.5	99.5	89.6	74.7	57.2	47.3	43.6	42.3
65°	3832.4	1266.7	105.8	88.3	85.9	75.9	62.2	47.3	41.1	38.6	37.3
67.5°	2754.9	770.2	89.6	75.9	73.4	64.7	52.3	41.1	37.3	36.1	36.1
70°	1384.9	364.6	70.9	62.2	62.2	53.5	44.8	37.3	36.1	34.8	34.8
72.5°	470.3	155.5	53.5	48.5	51.0	46.0	38.6	34.8	34.8	34.8	34.8
75°	160.5	82.1	37.3	34.8	37.3	37.3	33.6	33.6	34.8	34.8	34.8
77.5°	104.5	54.7	26.1	23.6	28.6	28.6	28.6	31.1	33.6	33.6	33.6
80°	85.9	29.9	17.4	16.2	21.2	21.2	23.6	28.6	31.1	31.1	31.1
82.5°	73.4	18.7	10.0	11.2	14.9	16.2	19.9	23.6	27.4	28.6	28.6
85°	49.8	10.0	7.5	8.7	10.0	12.4	16.2	19.9	22.4	24.9	24.9
87.5°	13.7	3.7	5.0	6.2	6.2	8.7	12.4	14.9	17.4	18.7	18.7
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)