

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: P635587

Luminaire Tested: GWS-SA3E-722-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12680.9 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

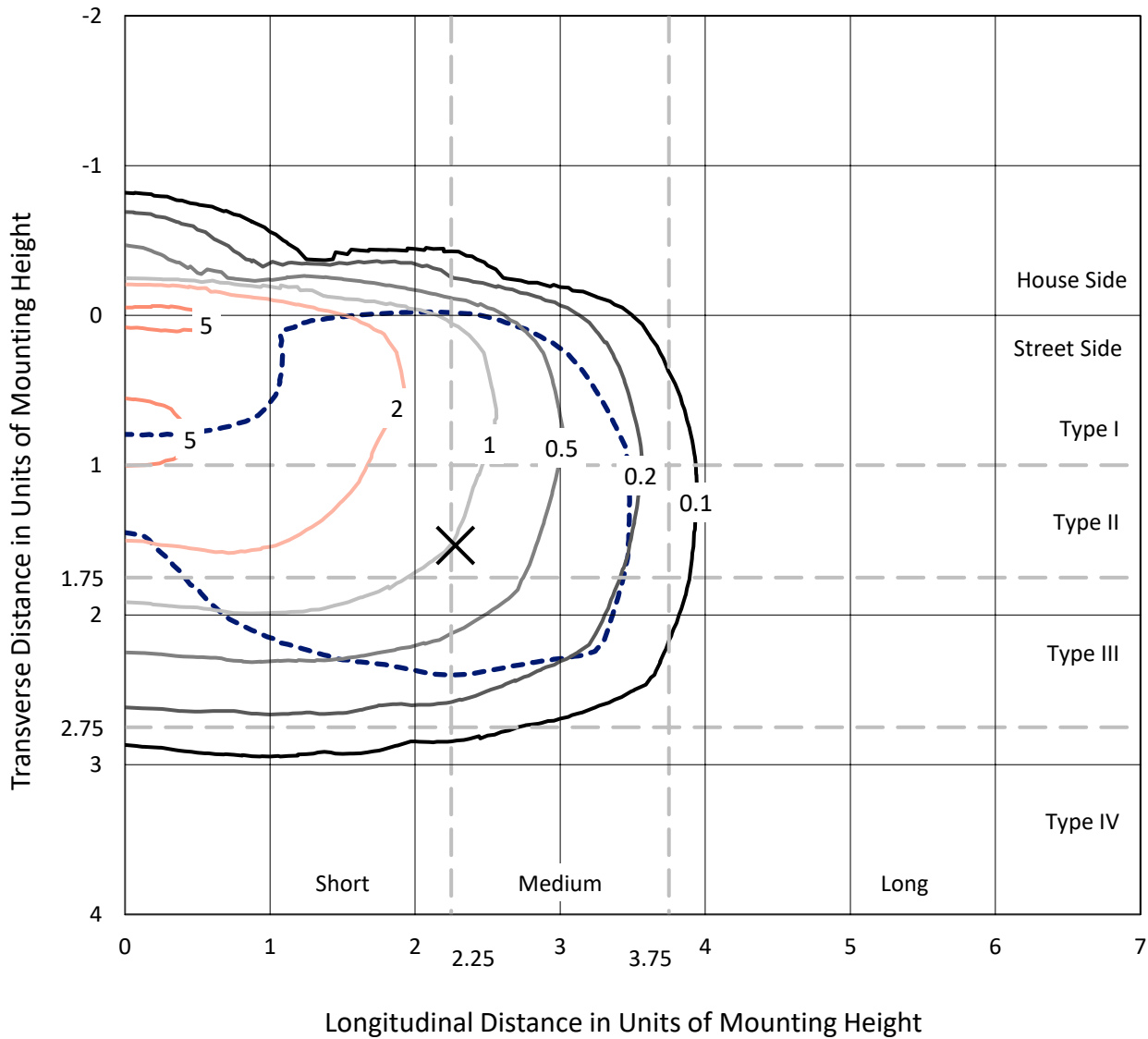
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

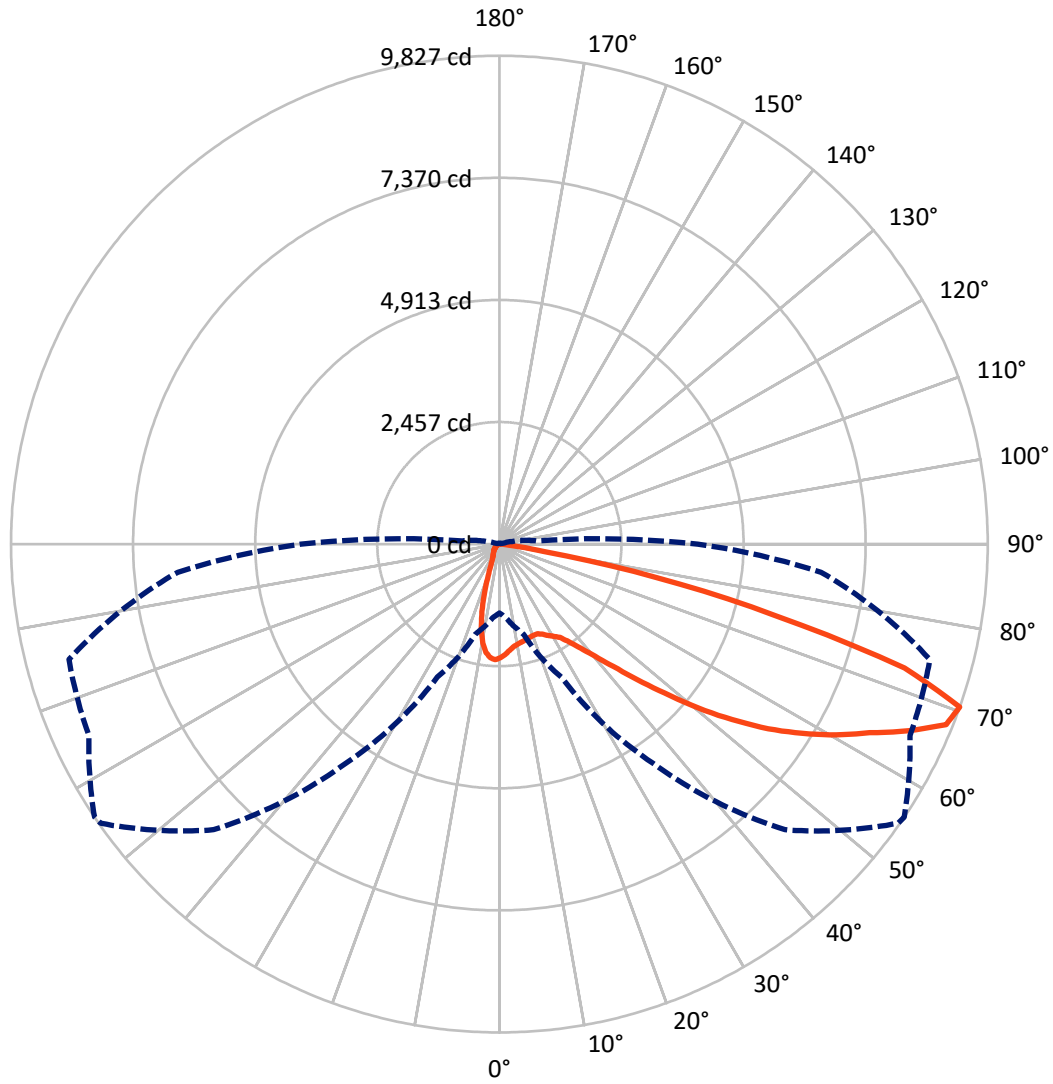
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1139.0	0.0	1139.0
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	11541.9	0.0	11541.9
	% Fixture	91.0	0.0	91.0
Total	Lumens	12680.9	0.0	12680.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.3	1.5
10°-20°	441.5	3.5
20°-30°	699.4	5.5
30°-40°	1206.1	9.5
40°-50°	2036.7	16.1
50°-60°	2992.6	23.6
60°-70°	3547.8	28.0
70°-80°	1512.9	11.9
80°-90°	47.5	0.4
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°	12680.9	100.0
0°-180°	12680.9	100.0

Coefficient of Utilization



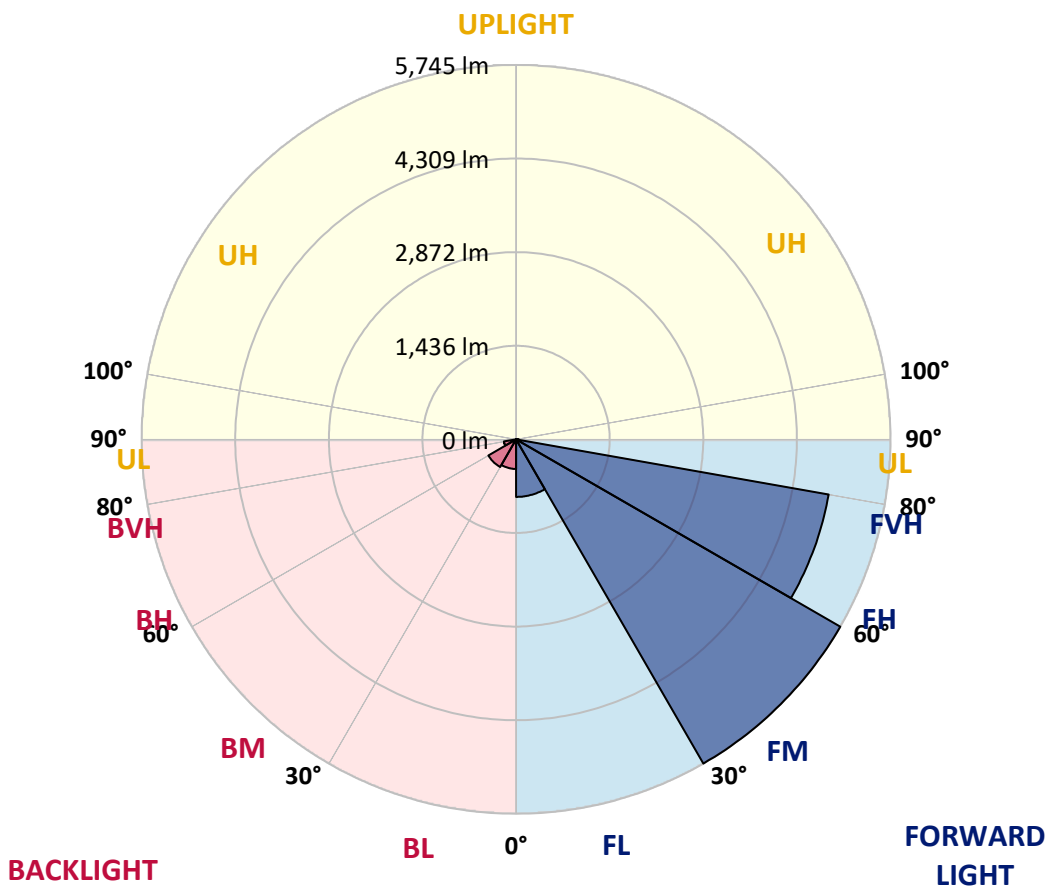
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	883.6	7.0			
FM (30°-60°)	5744.8	45.3			
FH (60°-80°)	4870.8	38.4			G2/5000
FVH (80°-90°)	42.7	0.3			G1/100
BL (0°-30°)	453.6	3.6	B1/500		
BM (30°-60°)	490.6	3.9	B1/1000		
BH (60°-80°)	190.0	1.5	B1/500		G1/500
BVH (80°-90°)	4.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2286.5	2286.5	2286.5	2286.5	2286.5	2286.5	2286.5	2286.5	2286.5	2286.5	2286.5
2.5°	2128.6	2125.1	2127.4	2144.8	2177.3	2192.4	2218.0	2222.6	2243.5	2270.2	2280.7
5°	1990.4	1978.8	1984.6	2009.0	2046.1	2087.9	2135.5	2148.3	2200.6	2259.8	2303.9
7.5°	1863.8	1851.0	1865.0	1903.3	1955.5	2000.8	2071.7	2079.8	2163.4	2267.9	2348.0
10°	1665.2	1668.7	1696.6	1763.9	1844.1	1938.1	2033.3	2045.0	2148.3	2294.6	2418.9
12.5°	1513.1	1505.0	1535.2	1611.8	1724.5	1861.5	2004.3	2019.4	2149.5	2335.3	2509.5
15°	1442.3	1439.9	1452.7	1508.5	1617.6	1779.0	1977.6	1997.3	2164.6	2372.4	2595.4
17.5°	1444.6	1441.1	1439.9	1472.5	1553.7	1717.5	1948.6	1974.1	2177.3	2413.1	2686.0
20°	1545.6	1529.4	1500.3	1485.2	1534.0	1678.0	1928.8	1957.9	2195.9	2456.0	2782.3
22.5°	1757.0	1762.8	1685.0	1603.7	1580.5	1682.6	1926.5	1960.2	2236.6	2523.4	2900.8
25°	2179.7	2170.4	2026.4	1844.1	1717.5	1736.1	1967.2	2007.8	2316.7	2619.8	3012.3
27.5°	2709.2	2717.3	2519.9	2229.6	1964.8	1846.4	2041.5	2082.1	2409.6	2680.2	3086.6
30°	3286.3	3278.2	3066.9	2745.2	2315.5	2029.9	2115.8	2151.8	2456.0	2712.7	3163.2
32.5°	3832.1	3813.5	3604.5	3267.7	2762.6	2319.0	2218.0	2238.9	2517.6	2783.5	3266.6
35°	4297.8	4296.6	4114.3	3755.5	3222.5	2681.3	2393.3	2410.7	2632.5	2896.1	3418.7
37.5°	4778.5	4762.3	4557.9	4230.4	3695.1	3078.5	2661.6	2654.6	2813.7	3062.2	3605.7
40°	5173.4	5162.9	5006.1	4691.4	4186.3	3517.4	2986.7	2965.8	3028.5	3292.1	3865.8
42.5°	5466.0	5467.1	5418.4	5226.8	4706.5	4024.9	3395.5	3363.0	3361.8	3639.3	4209.5
45°	5687.8	5702.9	5776.0	5747.0	5320.8	4616.0	3919.2	3885.5	3828.6	4089.9	4603.2
47.5°	5791.1	5810.9	6031.5	6147.6	5858.5	5202.4	4542.8	4472.0	4360.5	4689.1	5043.3
50°	5780.7	5815.5	6123.3	6476.3	6346.2	5796.9	5222.1	5188.4	5006.1	5323.2	5478.8
52.5°	5543.8	5618.1	6129.1	6676.0	6721.3	6345.0	5924.7	5862.0	5773.7	5985.1	5887.5
55°	4900.5	4991.0	5884.0	6739.9	7013.9	6823.5	6612.1	6561.0	6414.7	6609.8	6244.0
57.5°	4550.9	4628.7	5368.4	6708.5	7262.4	7265.9	7224.1	7182.3	7061.5	7227.6	6662.1
60°	4340.7	4418.5	5093.2	6593.6	7487.7	7732.7	7798.9	7794.3	7620.1	7930.2	7152.1
62.5°	4033.0	4139.8	4806.4	6295.1	7648.0	8192.6	8392.3	8361.0	8167.0	8661.7	7637.5
65°	3411.7	3504.6	4218.8	5802.7	7553.9	8573.5	9035.7	9051.9	8827.8	9350.4	8020.7
67.5°	2392.2	2460.7	3170.2	4769.2	6915.2	8698.9	9694.1	9692.9	9310.9	9703.4	7851.2
70°	1386.5	1480.6	1873.1	2948.4	5380.1	8128.7	9792.8	9826.5	9114.6	8966.0	6497.2
72.5°	536.5	614.3	1061.4	1566.5	2805.6	6226.6	8423.7	8522.4	7628.2	6916.4	4521.9
75°	160.3	178.8	499.3	833.8	1126.4	3007.6	5702.9	5730.8	5232.6	4314.0	2317.8
77.5°	119.6	132.4	218.3	421.5	394.8	911.6	2950.7	3222.5	2777.7	1541.0	638.7
80°	81.3	96.4	155.6	205.5	146.3	242.7	829.1	910.4	847.7	346.1	160.3
82.5°	36.0	46.4	110.3	103.4	53.4	69.7	255.5	271.7	175.3	104.5	55.7
85°	3.5	4.6	41.8	45.3	19.7	16.3	53.4	53.4	38.3	36.0	23.2
87.5°	0.0	0.0	1.2	2.3	2.3	3.5	4.6	5.8	7.0	9.3	11.6
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°	2286.5	2286.5	2286.5	2286.5	2286.5	2286.5	2286.5	2286.5	2286.5	2286.5	2286.5
2.5°	2307.4	2293.5	2310.9	2324.8	2328.3	2302.8	2287.7	2265.6	2260.9	2262.1	2256.3
5°	2338.7	2331.8	2344.6	2329.5	2290.0	2215.7	2151.8	2081.0	2042.6	2020.6	2018.2
7.5°	2396.8	2393.3	2379.4	2310.9	2187.8	2022.9	1863.8	1708.2	1611.8	1577.0	1571.2
10°	2482.7	2475.8	2418.9	2256.3	1993.9	1676.8	1409.8	1186.8	1050.9	1011.4	962.7
12.5°	2581.5	2567.5	2443.3	2139.0	1701.2	1262.3	929.0	679.3	562.0	527.2	527.2
15°	2676.7	2646.5	2429.3	1945.1	1341.2	821.0	519.1	392.5	356.5	347.2	347.2
17.5°	2774.2	2716.2	2374.7	1680.3	926.7	485.4	346.1	321.7	317.0	318.2	319.3
20°	2866.0	2775.4	2278.4	1362.1	591.1	339.1	310.1	304.2	301.9	304.2	303.1
22.5°	2965.8	2830.0	2132.0	1014.9	384.4	305.4	295.0	290.3	288.0	291.5	291.5
25°	3064.5	2869.4	1938.1	682.8	305.4	284.5	278.7	274.1	271.7	272.9	272.9
27.5°	3115.6	2854.3	1683.8	435.5	274.1	263.6	257.8	252.0	248.5	247.3	248.5
30°	3150.5	2807.9	1372.6	310.1	248.5	235.7	229.9	225.3	216.0	210.2	212.5
32.5°	3205.0	2761.4	1034.7	260.1	227.6	207.9	198.6	187.0	174.2	168.4	168.4
35°	3270.1	2697.6	725.8	234.6	205.5	184.6	167.2	147.5	132.4	127.7	127.7
37.5°	3356.0	2637.2	483.1	217.2	187.0	164.9	140.5	117.3	101.0	98.7	97.5
40°	3484.9	2586.1	340.2	204.4	170.7	144.0	115.0	90.6	79.0	75.5	75.5
42.5°	3652.1	2533.8	269.4	191.6	156.8	124.3	91.7	72.0	62.7	60.4	59.2
45°	3858.8	2472.3	234.6	180.0	142.8	103.4	73.2	60.4	53.4	51.1	51.1
47.5°	4082.9	2388.7	218.3	164.9	126.6	83.6	61.5	52.3	48.8	47.6	46.4
50°	4303.6	2276.0	204.4	151.0	108.0	68.5	53.4	47.6	45.3	44.1	44.1
52.5°	4496.3	2144.8	187.0	134.7	88.3	59.2	47.6	44.1	41.8	39.5	38.3
55°	4661.2	2002.0	164.9	116.1	72.0	52.3	44.1	40.6	38.3	36.0	34.8
57.5°	4873.8	1920.7	132.4	94.1	59.2	46.4	40.6	37.2	34.8	31.4	31.4
60°	5109.5	1861.5	98.7	74.3	51.1	43.0	37.2	33.7	31.4	27.9	27.9
62.5°	5298.8	1773.2	77.8	60.4	44.1	38.3	33.7	30.2	27.9	24.4	24.4
65°	5370.8	1590.9	63.9	47.6	36.0	33.7	30.2	27.9	24.4	20.9	20.9
67.5°	5045.6	1226.3	53.4	38.3	30.2	29.0	26.7	25.5	20.9	18.6	17.4
70°	3995.8	747.8	44.1	31.4	25.5	24.4	24.4	22.1	18.6	17.4	16.3
72.5°	2738.2	385.5	36.0	25.5	22.1	22.1	20.9	19.7	17.4	16.3	16.3
75°	1422.5	128.9	27.9	19.7	17.4	18.6	18.6	17.4	16.3	16.3	15.1
77.5°	407.6	58.1	20.9	15.1	13.9	13.9	15.1	15.1	15.1	13.9	13.9
80°	105.7	33.7	15.1	11.6	11.6	11.6	11.6	12.8	13.9	12.8	12.8
82.5°	43.0	18.6	10.5	9.3	9.3	9.3	9.3	10.5	11.6	11.6	11.6
85°	26.7	9.3	8.1	8.1	8.1	7.0	7.0	8.1	8.1	9.3	9.3
87.5°	16.3	7.0	7.0	7.0	7.0	5.8	5.8	5.8	5.8	5.8	5.8
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)