

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: P635397

Luminaire Tested: GWS-SA3D-760-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635397
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13989.2 lumens
Efficiency: N/A
Efficacy: 115.8 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

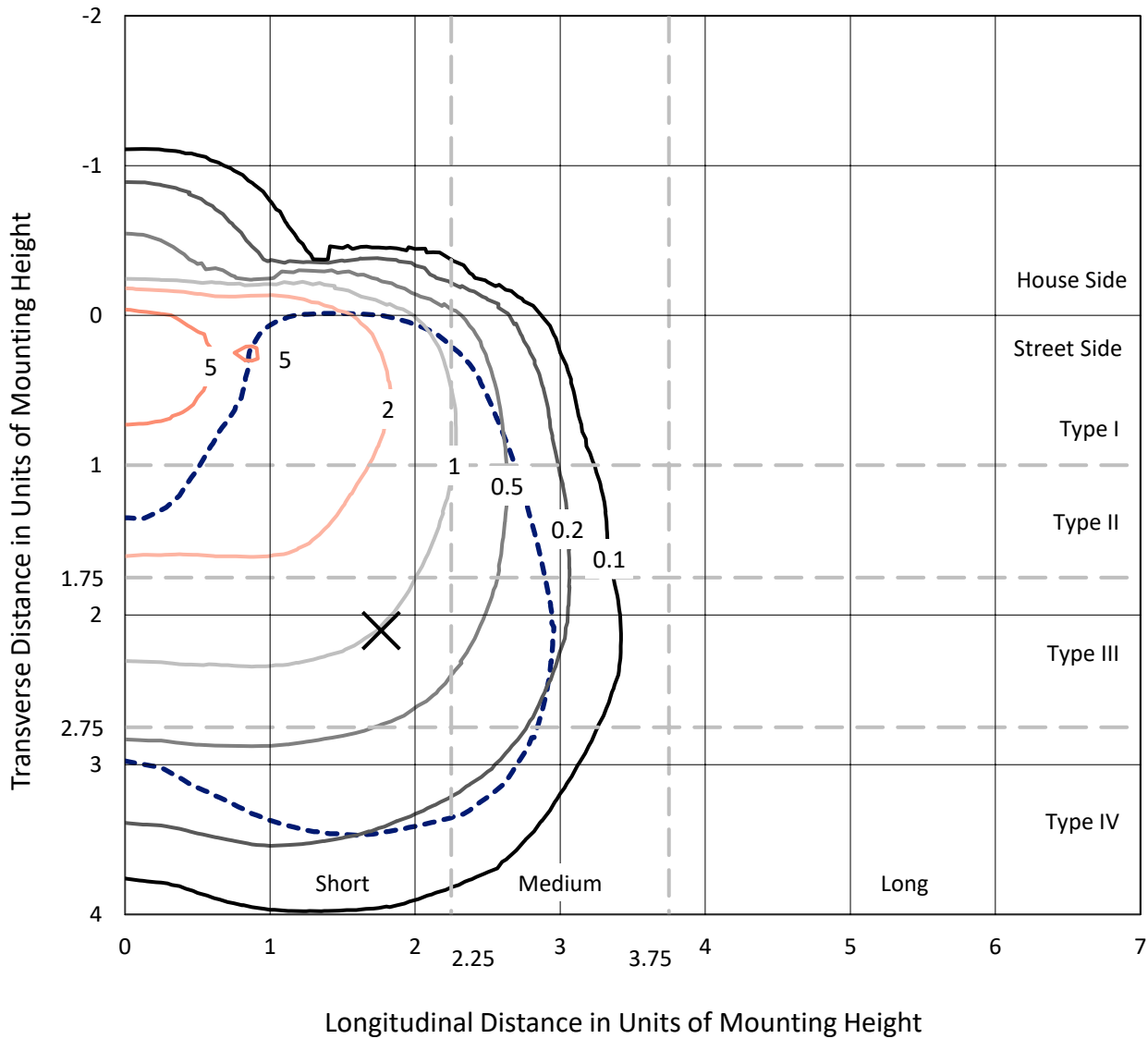
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

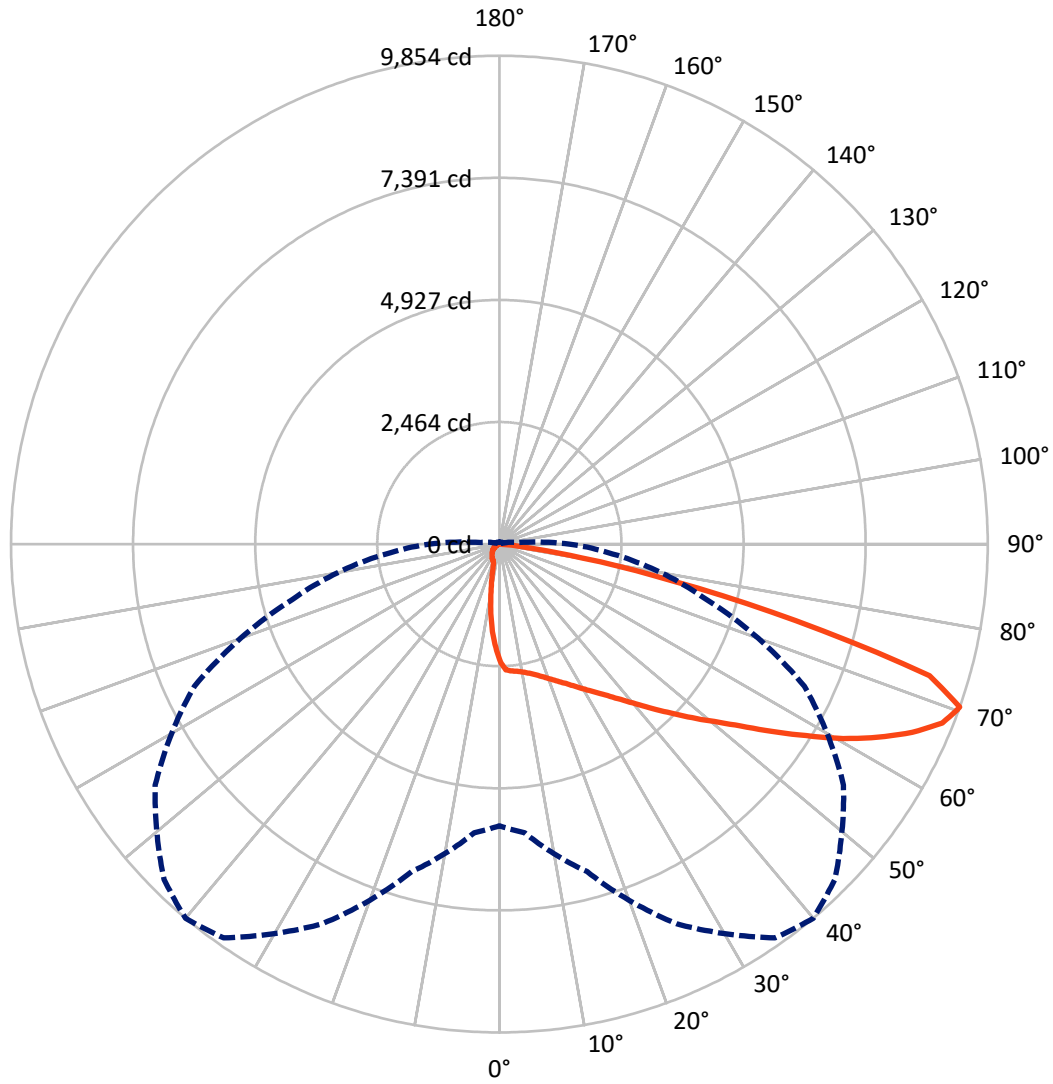
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.5 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	1144.0	0.0	1144.0
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	12845.2	0.0	12845.2
	% Fixture	91.8	0.0	91.8
Total	Lumens	13989.2	0.0	13989.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.6	1.4
10°-20°	508.9	3.6
20°-30°	851.7	6.1
30°-40°	1337.6	9.6
40°-50°	2115.8	15.1
50°-60°	3086.4	22.1
60°-70°	3826.1	27.4
70°-80°	1935.8	13.8
80°-90°	126.4	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°	13989.2	100.0
0°-180°	13989.2	100.0

Coefficient of Utilization



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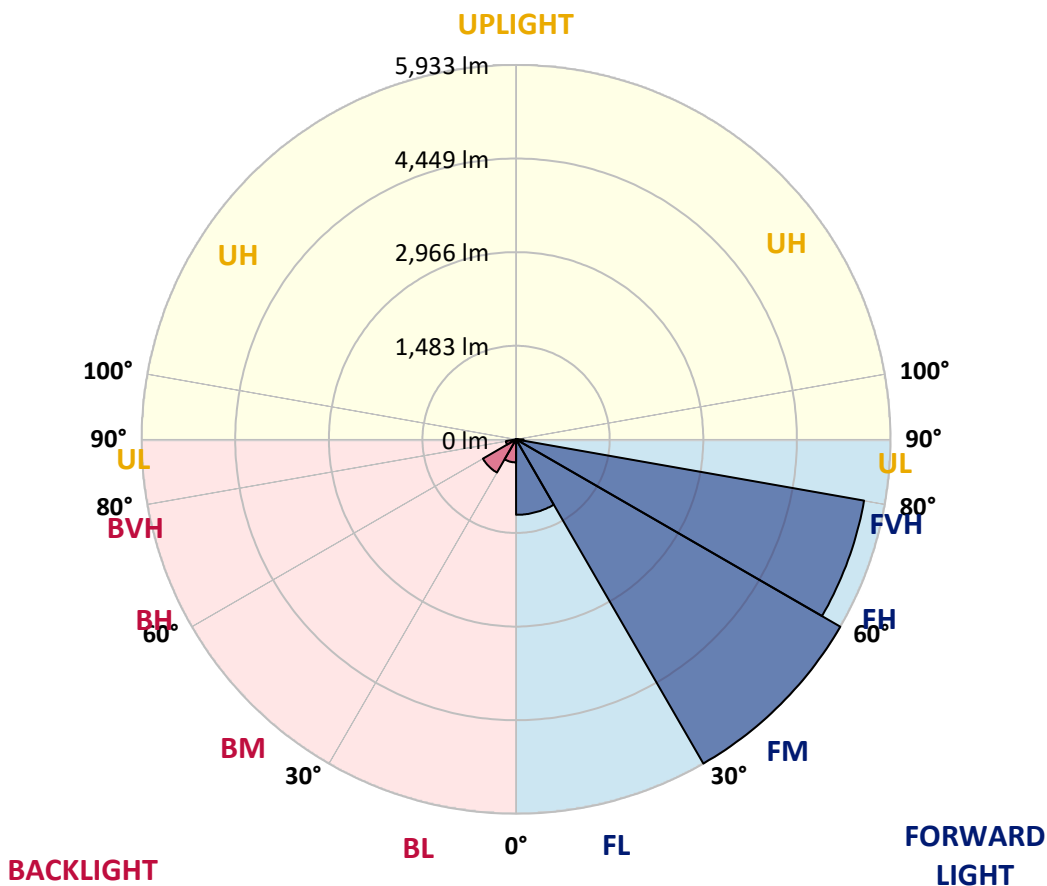
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1195.8	8.5			
FM (30°-60°)	5932.7	42.4			
FH (60°-80°)	5598.7	40.0			G3/7500
FVH (80°-90°)	118.0	0.8			G2/225
BL (0°-30°)	365.3	2.6	B1/500		
BM (30°-60°)	607.2	4.3	B1/1000		
BH (60°-80°)	163.1	1.2	B1/500		G1/500
BVH (80°-90°)	8.3	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°	2373.8	2373.8	2373.8	2373.8	2373.8	2373.8	2373.8	2373.8	2373.8	2373.8	2373.8
2.5°	2552.0	2560.9	2559.6	2563.4	2554.5	2540.5	2538.0	2518.9	2484.5	2441.3	2392.9
5°	2604.2	2614.4	2606.7	2602.9	2586.4	2571.1	2567.3	2546.9	2507.4	2448.9	2364.9
7.5°	2648.7	2651.3	2646.2	2637.3	2613.1	2592.7	2578.7	2550.7	2503.6	2445.1	2348.3
10°	2656.4	2655.1	2657.6	2658.9	2643.6	2625.8	2614.4	2576.2	2516.4	2454.0	2349.6
12.5°	2647.5	2647.5	2664.0	2683.1	2683.1	2674.2	2662.7	2628.4	2558.4	2484.5	2375.1
15°	2658.9	2662.7	2694.5	2730.2	2741.6	2732.7	2727.6	2692.0	2619.5	2538.0	2420.9
17.5°	2699.6	2703.5	2754.4	2807.8	2821.8	2811.6	2801.5	2765.8	2688.2	2599.1	2473.1
20°	2759.5	2769.6	2834.6	2903.3	2916.0	2903.3	2882.9	2833.3	2755.6	2665.3	2522.7
22.5°	2868.9	2875.3	2945.3	3017.8	3024.2	3003.8	2973.3	2904.6	2823.1	2735.3	2578.7
25°	3014.0	3022.9	3092.9	3162.9	3146.4	3115.9	3073.8	2996.2	2903.3	2818.0	2650.0
27.5°	3187.1	3197.3	3266.0	3327.1	3283.9	3248.2	3201.1	3104.4	3010.2	2932.6	2741.6
30°	3374.2	3383.1	3444.2	3499.0	3441.7	3399.7	3343.7	3244.4	3148.9	3090.4	2871.5
32.5°	3555.0	3553.7	3612.2	3656.8	3598.2	3565.2	3514.2	3413.7	3337.3	3311.9	3064.9
35°	3723.0	3723.0	3771.4	3815.9	3773.9	3756.1	3709.0	3628.8	3585.5	3616.1	3323.3
37.5°	3892.3	3883.4	3929.2	3978.8	3975.0	3976.3	3949.5	3911.4	3913.9	4022.1	3678.4
40°	4032.3	4028.5	4081.9	4146.8	4197.7	4238.5	4221.9	4235.9	4316.1	4518.5	4132.8
42.5°	4144.3	4153.2	4221.9	4325.0	4453.6	4536.3	4547.8	4605.0	4811.2	5124.4	4645.8
45°	4272.8	4274.1	4369.6	4527.4	4732.3	4863.4	4909.2	5056.9	5349.6	5753.1	5208.4
47.5°	4430.7	4415.4	4522.3	4743.8	5040.3	5233.8	5315.3	5499.8	5953.0	6366.6	5666.6
50°	4605.0	4577.0	4698.0	4999.6	5385.3	5627.1	5792.6	6062.4	6551.2	6870.7	6007.7
52.5°	4807.4	4780.7	4918.2	5293.6	5798.9	6093.0	6305.5	6577.9	7064.1	7255.0	6211.3
55°	5064.5	5037.8	5182.9	5646.2	6287.7	6669.5	6892.3	7121.4	7541.4	7538.9	6359.0
57.5°	5349.6	5312.7	5513.8	6091.7	6897.4	7294.5	7521.1	7633.1	7904.2	7759.1	6458.3
60°	5676.8	5643.7	5922.4	6622.5	7601.2	7969.1	8111.6	8065.8	8202.0	7888.9	6423.9
62.5°	5972.0	5956.8	6303.0	7185.0	8272.0	8582.6	8622.0	8422.2	8420.9	7891.5	6192.2
65°	6278.8	6308.1	6822.3	7832.9	8946.6	9155.4	9087.9	8776.1	8508.8	7579.6	5507.5
67.5°	6393.3	6478.6	7164.7	8418.4	9478.7	9641.6	9523.2	8953.0	8143.5	6530.8	4193.9
70°	5685.7	5846.0	6841.4	8451.5	9698.8	9854.1	9570.3	8476.9	6789.2	4326.3	2297.4
72.5°	4323.8	4510.9	5700.9	6920.3	8722.6	9076.4	8591.5	6906.3	4375.9	1895.2	771.3
75°	2419.6	2622.0	4246.1	5210.9	5856.2	6179.5	6001.3	4430.7	1938.5	495.1	230.4
77.5°	818.4	885.9	1975.4	3224.0	3865.5	3575.3	3026.8	2200.7	712.8	188.4	122.2
80°	484.9	510.4	735.7	1605.0	2034.0	1686.5	1331.4	813.3	362.8	100.6	85.3
82.5°	145.1	171.8	406.0	595.7	796.8	496.4	420.0	464.6	188.4	54.7	71.3
85°	0.0	0.0	86.6	184.6	208.7	81.5	81.5	263.5	34.4	22.9	52.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	6.4	3.8	5.1	11.5
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°	2373.8	2373.8	2373.8	2373.8	2373.8	2373.8	2373.8	2373.8	2373.8	2373.8	2373.8
2.5°	2358.5	2314.0	2261.8	2212.2	2165.1	2104.0	2074.7	2039.0	2008.5	1992.0	2000.9
5°	2311.4	2241.4	2134.5	2026.3	1916.9	1813.8	1720.8	1658.5	1602.5	1573.2	1579.6
7.5°	2270.7	2176.5	2009.8	1832.9	1657.2	1480.3	1336.5	1224.4	1137.9	1102.3	1095.9
10°	2252.9	2134.5	1899.0	1644.5	1374.6	1136.6	933.0	809.5	721.7	678.4	686.0
12.5°	2261.8	2112.9	1804.9	1459.9	1109.9	832.4	637.7	521.9	459.5	434.0	427.7
15°	2287.2	2107.8	1720.8	1271.5	856.6	581.7	440.4	393.3	380.6	378.0	378.0
17.5°	2316.5	2109.1	1634.3	1080.6	650.4	431.5	376.8	367.8	364.0	361.5	362.8
20°	2345.8	2109.1	1535.0	887.2	488.8	372.9	358.9	352.6	348.8	347.5	347.5
22.5°	2381.4	2109.1	1424.3	707.7	392.0	353.8	342.4	338.6	334.8	333.5	332.2
25°	2424.7	2110.3	1302.1	553.7	356.4	337.3	328.4	324.6	320.7	318.2	318.2
27.5°	2487.1	2120.5	1167.2	431.5	336.0	322.0	314.4	310.6	306.7	302.9	302.9
30°	2577.4	2146.0	1015.7	356.4	316.9	305.5	297.8	295.3	291.5	287.7	286.4
32.5°	2712.4	2190.5	859.1	319.5	299.1	287.7	278.7	276.2	272.4	268.6	267.3
35°	2900.7	2272.0	706.4	296.6	276.2	264.7	259.7	258.4	253.3	249.5	249.5
37.5°	3176.9	2404.3	560.0	273.7	257.1	248.2	241.8	239.3	234.2	230.4	229.1
40°	3514.2	2576.2	435.3	255.8	239.3	230.4	224.0	220.2	213.8	208.7	206.2
42.5°	3944.5	2786.2	343.7	236.7	222.7	213.8	208.7	201.1	192.2	184.6	183.3
45°	4392.5	3002.6	283.8	218.9	207.5	199.8	193.5	183.3	170.6	161.6	159.1
47.5°	4736.1	3137.5	248.2	199.8	190.9	184.6	176.9	164.2	148.9	138.7	136.2
50°	4981.8	3157.9	221.5	182.0	176.9	170.6	159.1	143.8	127.3	117.1	114.6
52.5°	5102.7	3066.2	199.8	165.5	161.6	155.3	141.3	124.7	106.9	96.7	94.2
55°	5157.4	2893.1	179.5	151.5	146.4	138.7	123.5	105.6	87.8	78.9	76.4
57.5°	5135.8	2637.3	161.6	137.5	131.1	122.2	105.6	86.6	72.6	63.6	62.4
60°	4975.4	2278.3	143.8	123.5	115.8	105.6	89.1	71.3	58.5	52.2	50.9
62.5°	4629.2	1832.9	126.0	106.9	101.8	91.6	76.4	58.5	48.4	44.5	43.3
65°	3920.3	1295.7	108.2	90.4	87.8	77.6	63.6	48.4	42.0	39.5	38.2
67.5°	2818.0	787.9	91.6	77.6	75.1	66.2	53.5	42.0	38.2	36.9	36.9
70°	1416.6	372.9	72.6	63.6	63.6	54.7	45.8	38.2	36.9	35.6	35.6
72.5°	481.1	159.1	54.7	49.6	52.2	47.1	39.5	35.6	35.6	35.6	35.6
75°	164.2	84.0	38.2	35.6	38.2	38.2	34.4	34.4	35.6	35.6	35.6
77.5°	106.9	56.0	26.7	24.2	29.3	29.3	29.3	31.8	34.4	34.4	34.4
80°	87.8	30.5	17.8	16.5	21.6	21.6	24.2	29.3	31.8	31.8	31.8
82.5°	75.1	19.1	10.2	11.5	15.3	16.5	20.4	24.2	28.0	29.3	29.3
85°	50.9	10.2	7.6	8.9	10.2	12.7	16.5	20.4	22.9	25.5	25.5
87.5°	14.0	3.8	5.1	6.4	6.4	8.9	12.7	15.3	17.8	19.1	19.1
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)