

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: P635727

Luminaire Tested: GWS-SA3E-735-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635727
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-SA3E-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: 17089.9 lumens
Efficiency: N/A
Efficacy: 107.3 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

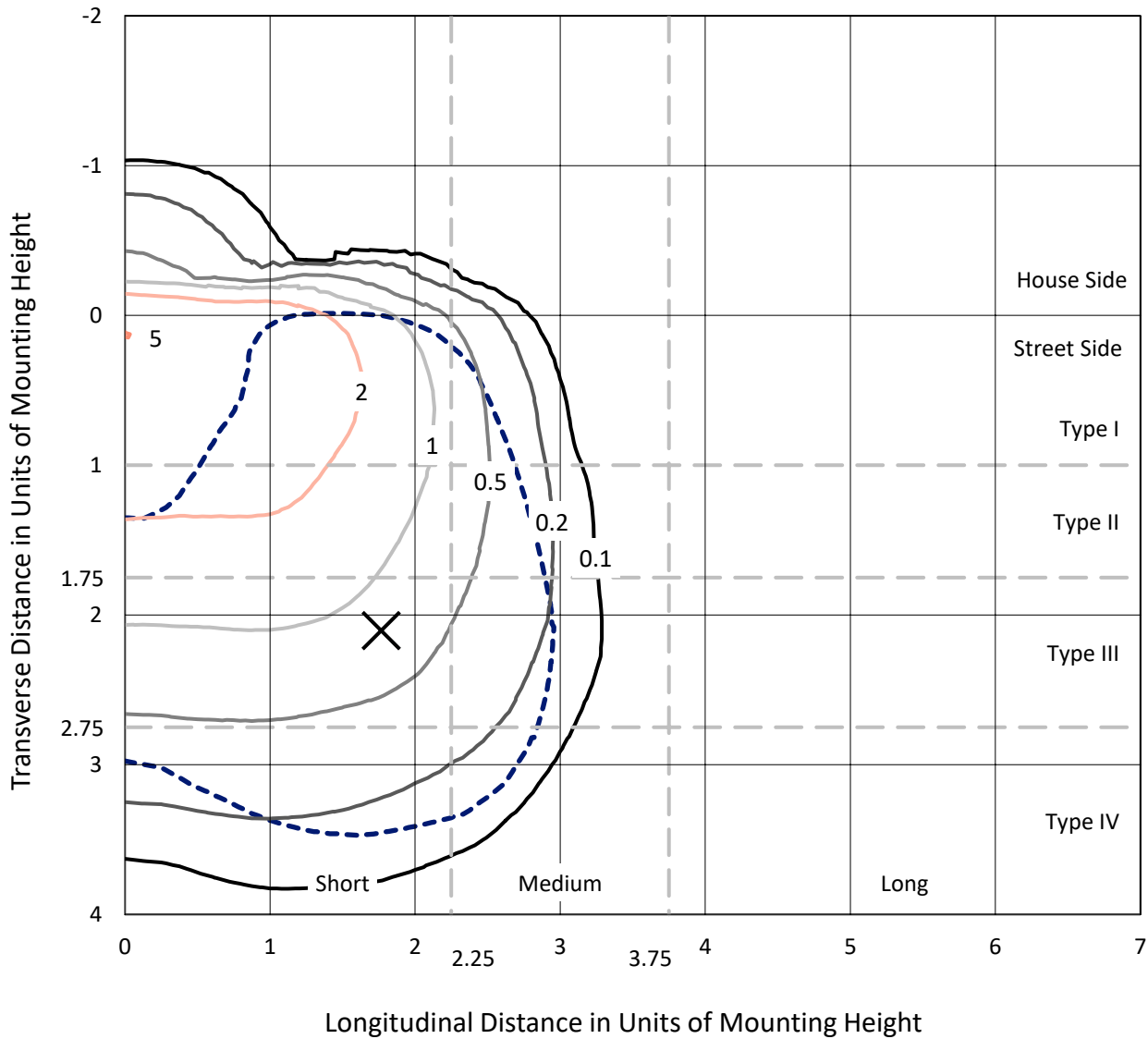
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635727
 CATALOG NUMBER: GWS-SA3E-735-U-SL4-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

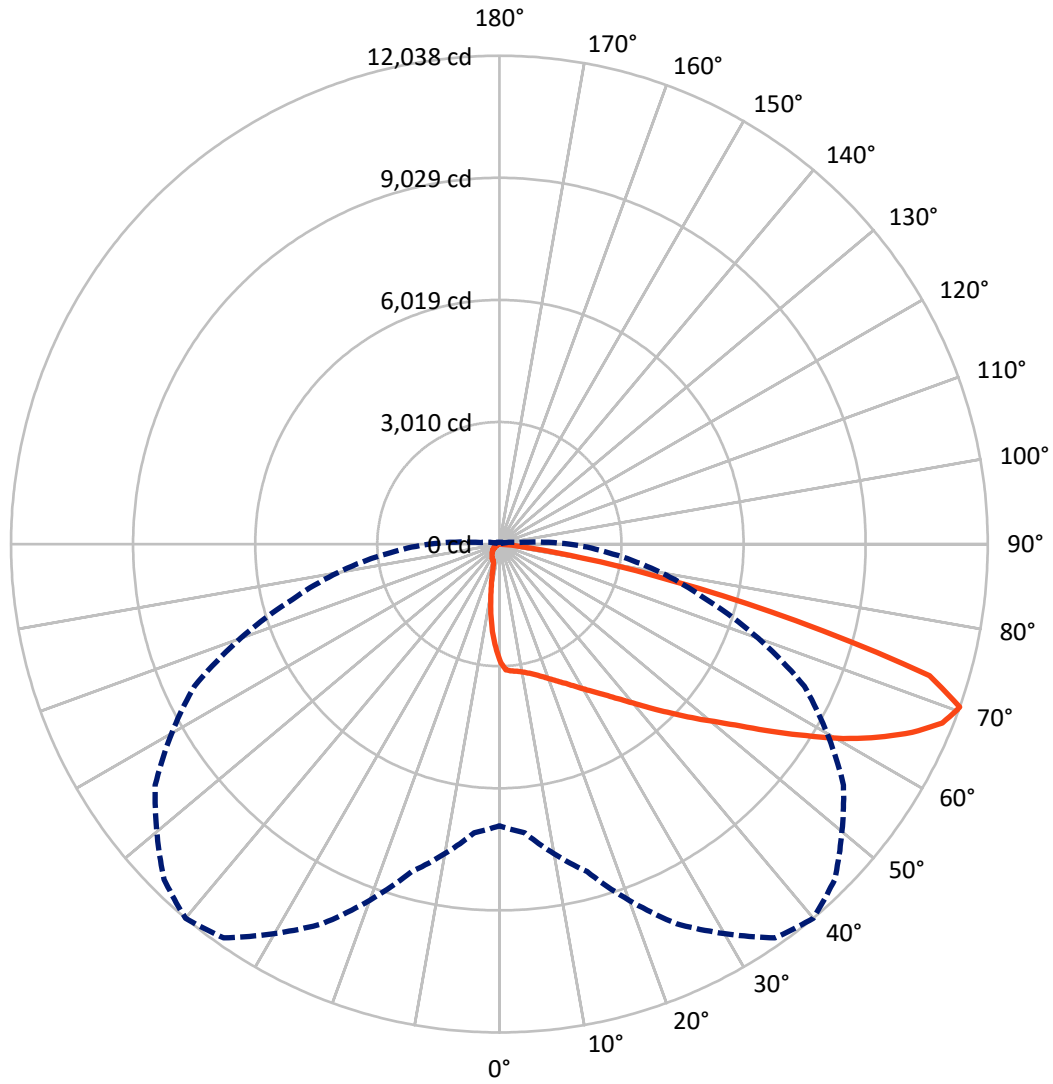
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Short - N/A

REPORT NUMBER: P635727
CATALOG NUMBER: GWS-SA3E-735-U-SL4-W-HSS

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	1397.5	0.0	1397.5
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	15692.4	0.0	15692.4
	% Fixture	91.8	0.0	91.8
Total	Lumens	17089.9	0.0	17089.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.1	1.4
10°-20°	621.6	3.6
20°-30°	1040.4	6.1
30°-40°	1634.1	9.6
40°-50°	2584.8	15.1
50°-60°	3770.5	22.1
60°-70°	4674.1	27.4
70°-80°	2364.8	13.8
80°-90°	154.4	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°	17089.9	100.0
0°-180°	17089.9	100.0

Coefficient of Utilization



REPORT NUMBER: P635727

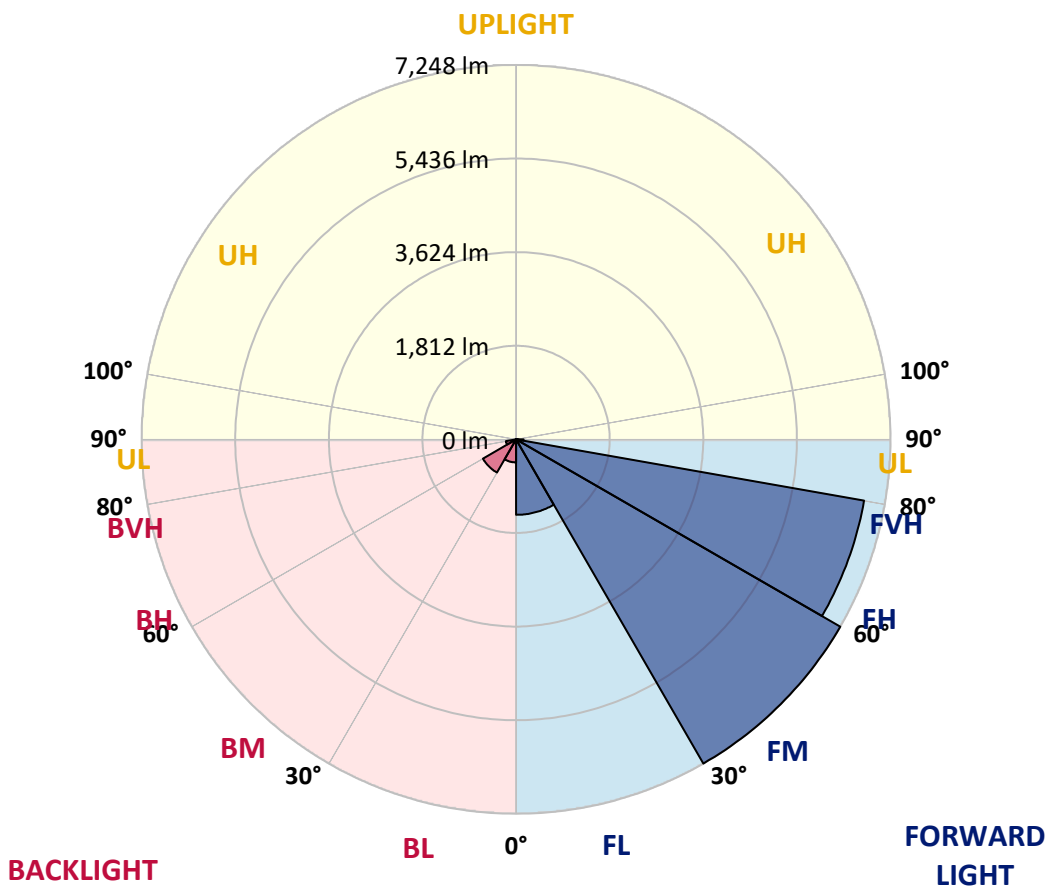
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1460.9	8.5			
FM (30°-60°)	7247.6	42.4			
FH (60°-80°)	6839.7	40.0			G3/7500
FVH (80°-90°)	144.2	0.8			G2/225
BL (0°-30°)	446.3	2.6	B1/500		
BM (30°-60°)	741.8	4.3	B1/1000		
BH (60°-80°)	199.3	1.2	B1/500		G1/500
BVH (80°-90°)	10.2	0.1			G1/100
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





REPORT NUMBER: P635727

CATALOG NUMBER: GWS-SA3E-735-U-SL4-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2900.0	2900.0	2900.0	2900.0	2900.0	2900.0	2900.0	2900.0	2900.0	2900.0	2900.0
2.5°	3117.6	3128.5	3127.0	3131.6	3120.8	3103.6	3100.5	3077.2	3035.2	2982.4	2923.3
5°	3181.4	3193.8	3184.5	3179.8	3159.6	3141.0	3136.3	3111.4	3063.2	2991.7	2889.1
7.5°	3235.8	3238.9	3232.7	3221.8	3192.3	3167.4	3150.3	3116.1	3058.6	2987.0	2868.9
10°	3245.1	3243.6	3246.7	3248.3	3229.6	3207.8	3193.8	3147.2	3074.1	2997.9	2870.4
12.5°	3234.3	3234.3	3254.5	3277.8	3277.8	3266.9	3252.9	3210.9	3125.4	3035.2	2901.5
15°	3248.3	3252.9	3291.8	3335.3	3349.3	3338.4	3332.2	3288.7	3200.1	3100.5	2957.5
17.5°	3298.0	3302.7	3364.9	3430.2	3447.3	3434.8	3422.4	3378.9	3284.0	3175.2	3021.2
20°	3371.1	3383.5	3462.8	3546.8	3562.4	3546.8	3521.9	3461.3	3366.4	3256.0	3081.9
22.5°	3504.8	3512.6	3598.1	3686.7	3694.5	3669.6	3632.3	3548.4	3448.8	3341.6	3150.3
25°	3682.1	3693.0	3778.5	3864.0	3843.8	3806.5	3755.2	3660.3	3546.8	3442.6	3237.4
27.5°	3893.6	3906.0	3990.0	4064.6	4011.7	3968.2	3910.7	3792.5	3677.4	3582.6	3349.3
30°	4122.1	4133.0	4207.7	4274.5	4204.5	4153.2	4084.8	3963.5	3846.9	3775.4	3507.9
32.5°	4342.9	4341.4	4412.9	4467.3	4395.8	4355.4	4293.2	4170.3	4077.0	4045.9	3744.3
35°	4548.2	4548.2	4607.3	4661.7	4610.4	4588.6	4531.1	4433.1	4380.2	4417.6	4059.9
37.5°	4755.0	4744.1	4800.1	4860.7	4856.1	4857.6	4825.0	4778.3	4781.4	4913.6	4493.8
40°	4926.0	4921.4	4986.7	5066.0	5128.2	5177.9	5157.7	5174.8	5272.8	5520.0	5048.9
42.5°	5062.9	5073.7	5157.7	5283.7	5440.7	5541.8	5555.8	5625.7	5877.6	6260.2	5675.5
45°	5219.9	5221.5	5338.1	5530.9	5781.2	5941.4	5997.4	6177.8	6535.4	7028.3	6362.8
47.5°	5412.7	5394.1	5524.7	5795.2	6157.5	6393.9	6493.4	6718.9	7272.4	7777.8	6922.6
50°	5625.7	5591.5	5739.3	6107.8	6578.9	6874.4	7076.5	7406.1	8003.2	8393.5	7339.3
52.5°	5873.0	5840.3	6008.3	6467.0	7084.3	7443.5	7703.1	8035.9	8629.9	8863.1	7588.1
55°	6187.1	6154.4	6331.7	6897.7	7681.4	8147.9	8420.0	8699.9	9213.0	9209.9	7768.4
57.5°	6535.4	6490.3	6736.0	7441.9	8426.2	8911.3	9188.1	9324.9	9656.1	9478.9	7889.7
60°	6935.0	6894.6	7235.1	8090.3	9286.1	9735.4	9909.6	9853.6	10020.0	9637.5	7847.7
62.5°	7295.7	7277.1	7700.0	8777.6	10105.5	10484.9	10533.1	10289.0	10287.4	9640.6	7564.8
65°	7670.5	7706.3	8334.4	9569.1	10929.6	11184.6	11102.2	10721.3	10394.7	9259.6	6728.2
67.5°	7810.4	7914.6	8752.7	10284.3	11579.6	11778.6	11634.0	10937.4	9948.5	7978.4	5123.5
70°	6945.9	7141.8	8357.8	10324.8	11848.6	12038.3	11691.5	10355.9	8294.0	5285.2	2806.7
72.5°	5282.1	5510.7	6964.5	8454.2	10656.0	11088.2	10495.8	8437.1	5345.9	2315.3	942.3
75°	2955.9	3203.2	5187.3	6365.9	7154.2	7549.2	7331.5	5412.7	2368.2	604.9	281.4
77.5°	999.8	1082.2	2413.3	3938.6	4722.3	4367.8	3697.6	2688.5	870.8	230.1	149.3
80°	592.4	623.5	898.8	1960.8	2484.8	2060.3	1626.5	993.6	443.2	122.8	104.2
82.5°	177.3	209.9	496.0	727.7	973.4	606.4	513.1	567.6	230.1	66.9	87.1
85°	0.0	0.0	105.7	225.5	255.0	99.5	99.5	321.9	42.0	28.0	63.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	7.8	4.7	6.2	14.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P635727
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2900.0	2900.0	2900.0	2900.0	2900.0	2900.0	2900.0	2900.0	2900.0	2900.0	2900.0
2.5°	2881.3	2826.9	2763.1	2702.5	2644.9	2570.3	2534.5	2491.0	2453.7	2433.5	2444.4
5°	2823.8	2738.2	2607.6	2475.5	2341.7	2215.8	2102.3	2026.1	1957.7	1921.9	1929.7
7.5°	2774.0	2658.9	2455.2	2239.1	2024.5	1808.4	1632.7	1495.8	1390.1	1346.6	1338.8
10°	2752.2	2607.6	2320.0	2009.0	1679.3	1388.6	1139.8	988.9	881.6	828.8	838.1
12.5°	2763.1	2581.2	2204.9	1783.5	1355.9	1016.9	779.0	637.5	561.3	530.2	522.5
15°	2794.2	2575.0	2102.3	1553.4	1046.5	710.6	538.0	480.5	464.9	461.8	461.8
17.5°	2830.0	2576.5	1996.5	1320.1	794.6	527.1	460.3	449.4	444.7	441.6	443.2
20°	2865.7	2576.5	1875.2	1083.8	597.1	455.6	438.5	430.7	426.1	424.5	424.5
22.5°	2909.3	2576.5	1740.0	864.5	478.9	432.3	418.3	413.6	408.9	407.4	405.8
25°	2962.1	2578.1	1590.7	676.4	435.4	412.1	401.2	396.5	391.8	388.7	388.7
27.5°	3038.3	2590.5	1425.9	527.1	410.5	393.4	384.1	379.4	374.7	370.1	370.1
30°	3148.7	2621.6	1240.8	435.4	387.2	373.2	363.9	360.7	356.1	351.4	349.9
32.5°	3313.6	2676.0	1049.6	390.3	365.4	351.4	340.5	337.4	332.8	328.1	326.5
35°	3543.7	2775.6	863.0	362.3	337.4	323.4	317.2	315.7	309.4	304.8	304.8
37.5°	3881.1	2937.3	684.2	334.3	314.1	303.2	295.4	292.3	286.1	281.4	279.9
40°	4293.2	3147.2	531.8	312.5	292.3	281.4	273.7	269.0	261.2	255.0	251.9
42.5°	4818.7	3403.7	419.8	289.2	272.1	261.2	255.0	245.7	234.8	225.5	223.9
45°	5366.1	3668.1	346.8	267.4	253.5	244.1	236.3	223.9	208.4	197.5	194.4
47.5°	5785.9	3832.9	303.2	244.1	233.2	225.5	216.1	200.6	181.9	169.5	166.4
50°	6086.0	3857.8	270.6	222.4	216.1	208.4	194.4	175.7	155.5	143.1	139.9
52.5°	6233.7	3745.8	244.1	202.1	197.5	189.7	172.6	152.4	130.6	118.2	115.1
55°	6300.6	3534.4	219.2	185.0	178.8	169.5	150.8	129.1	107.3	96.4	93.3
57.5°	6274.2	3221.8	197.5	167.9	160.2	149.3	129.1	105.7	88.6	77.7	76.2
60°	6078.2	2783.3	175.7	150.8	141.5	129.1	108.8	87.1	71.5	63.8	62.2
62.5°	5655.3	2239.1	153.9	130.6	124.4	112.0	93.3	71.5	59.1	54.4	52.9
65°	4789.2	1582.9	132.2	110.4	107.3	94.9	77.7	59.1	51.3	48.2	46.6
67.5°	3442.6	962.5	112.0	94.9	91.7	80.9	65.3	51.3	46.6	45.1	45.1
70°	1730.6	455.6	88.6	77.7	77.7	66.9	56.0	46.6	45.1	43.5	43.5
72.5°	587.8	194.4	66.9	60.6	63.8	57.5	48.2	43.5	43.5	43.5	43.5
75°	200.6	102.6	46.6	43.5	46.6	46.6	42.0	42.0	43.5	43.5	43.5
77.5°	130.6	68.4	32.7	29.5	35.8	35.8	35.8	38.9	42.0	42.0	42.0
80°	107.3	37.3	21.8	20.2	26.4	26.4	29.5	35.8	38.9	38.9	38.9
82.5°	91.7	23.3	12.4	14.0	18.7	20.2	24.9	29.5	34.2	35.8	35.8
85°	62.2	12.4	9.3	10.9	12.4	15.5	20.2	24.9	28.0	31.1	31.1
87.5°	17.1	4.7	6.2	7.8	7.8	10.9	15.5	18.7	21.8	23.3	23.3
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)