

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: P641661

Luminaire Tested: GWS-SA6B-735-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641661
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-735-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16553.8 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

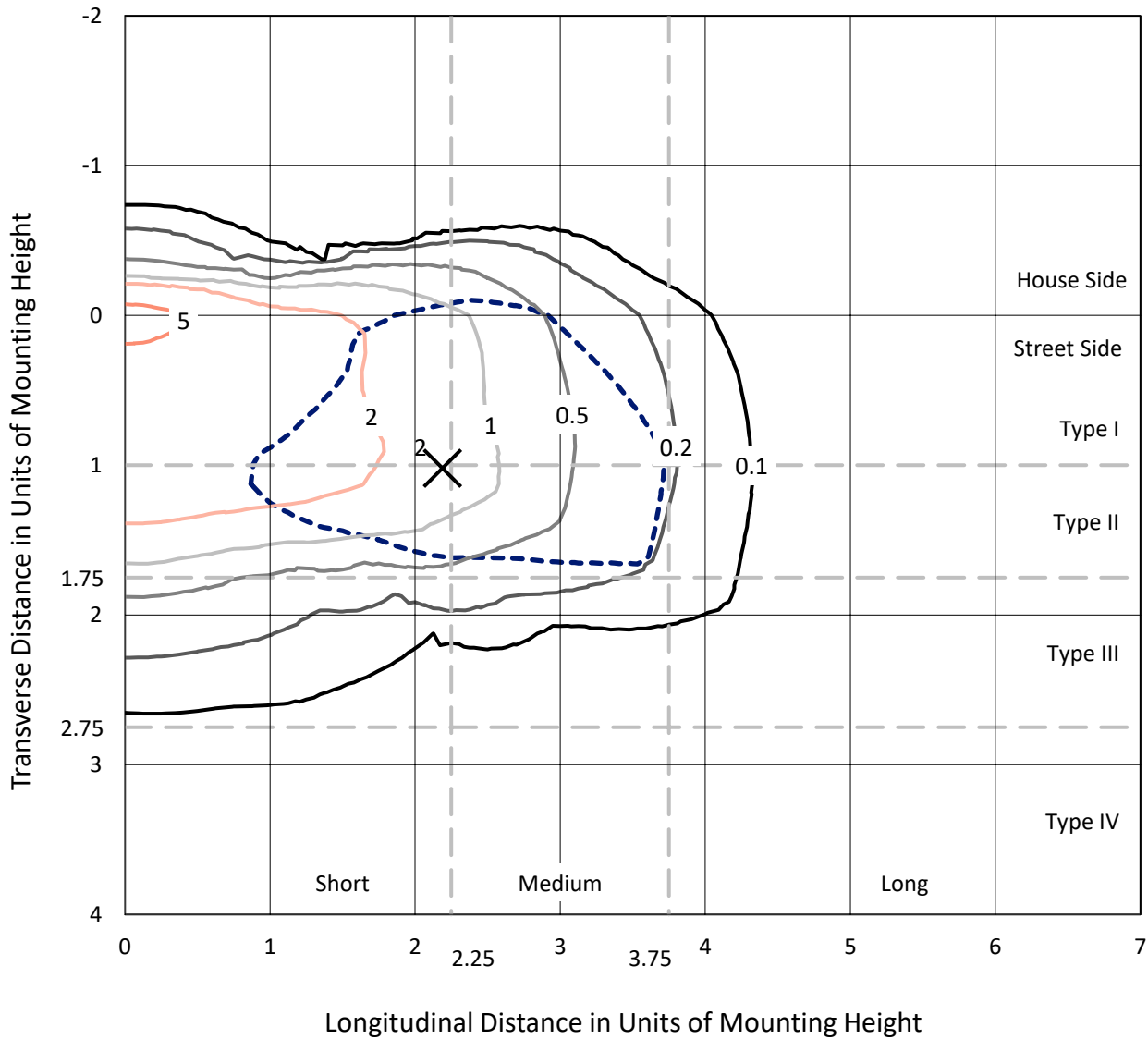
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

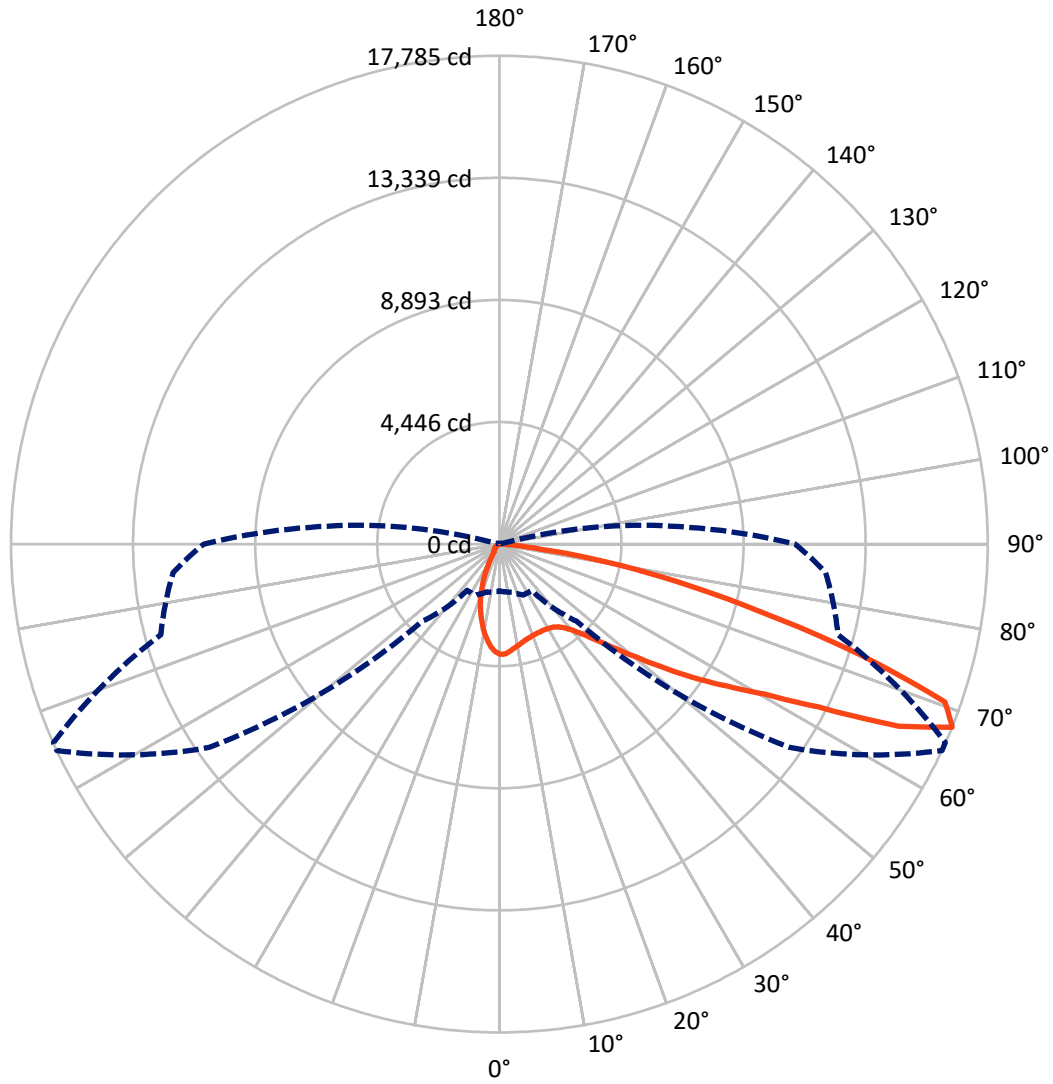
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2067.1	0.0	2067.1
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	14486.7	0.0	14486.7
	% Fixture	87.5	0.0	87.5
Total	Lumens	16553.8	0.0	16553.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.5	2.0
10°-20°	749.6	4.5
20°-30°	1071.1	6.5
30°-40°	1558.3	9.4
40°-50°	2440.6	14.7
50°-60°	3807.4	23.0
60°-70°	4182.2	25.3
70°-80°	2225.8	13.4
80°-90°	185.3	1.1
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°	16553.8	100.0
0°-180°	16553.8	100.0

Coefficient of Utilization



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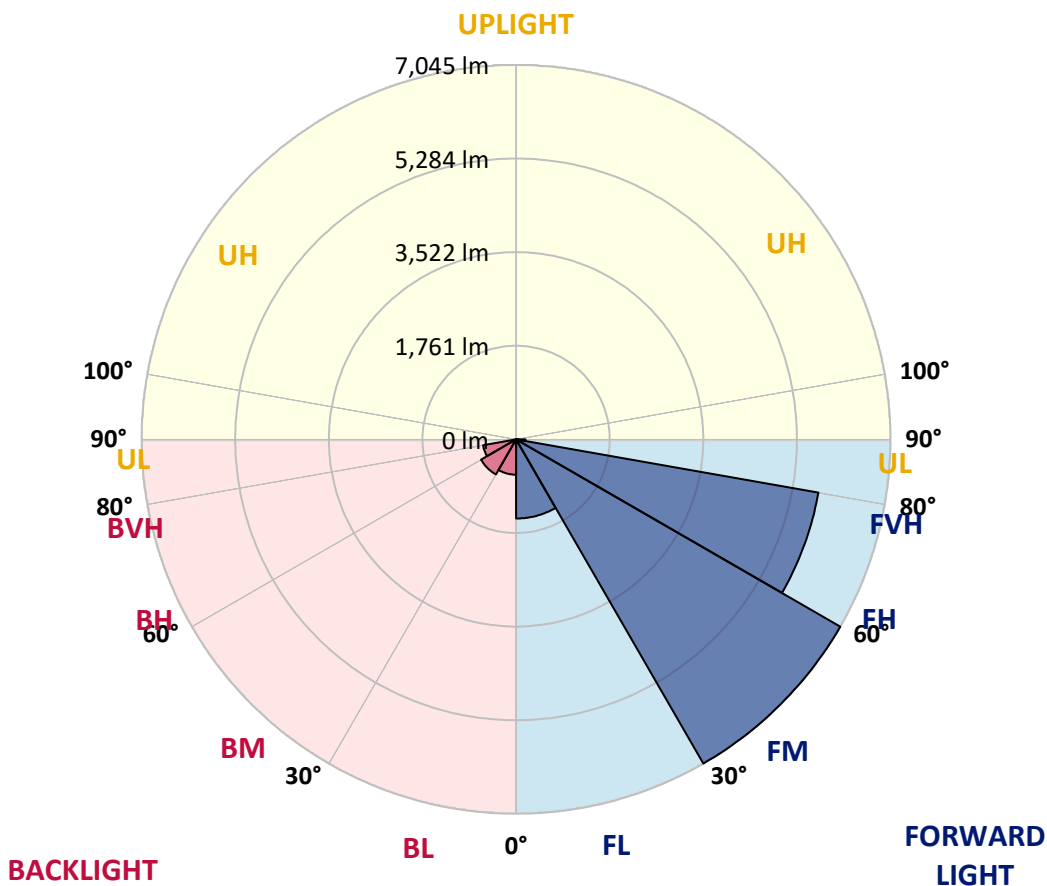
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1489.7	9.0			
FM (30°-60°)	7044.9	42.6			
FH (60°-80°)	5776.6	34.9			G3/7500
FVH (80°-90°)	175.4	1.1			G2/225
BL (0°-30°)	664.4	4.0	B2/1000		
BM (30°-60°)	761.4	4.6	B1/1000		
BH (60°-80°)	631.4	3.8	B2/1000		G2/1000
BVH (80°-90°)	9.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4014.8	4014.8	4014.8	4014.8	4014.8	4014.8	4014.8	4014.8	4014.8	4014.8	4014.8
2.5°	3875.6	3887.6	3871.1	3911.5	3919.0	3963.9	3989.4	4007.3	4005.8	4028.3	4028.3
5°	3648.1	3660.0	3651.1	3694.5	3728.9	3799.3	3857.6	3925.0	3928.0	3996.9	4022.3
7.5°	3455.0	3456.5	3456.5	3510.3	3555.3	3642.1	3728.9	3832.2	3844.2	3950.4	4017.8
10°	3296.3	3300.8	3302.3	3363.6	3413.0	3517.8	3628.6	3752.9	3766.3	3910.0	4014.8
12.5°	3187.0	3188.5	3194.5	3258.9	3312.7	3422.0	3534.3	3676.5	3694.5	3863.6	4001.3
15°	3134.6	3131.6	3134.6	3188.5	3242.4	3347.2	3462.4	3615.1	3634.6	3824.7	4002.8
17.5°	3131.6	3127.1	3124.1	3164.6	3199.0	3291.8	3408.6	3574.7	3595.7	3806.7	4019.3
20°	3175.0	3172.0	3157.1	3175.0	3182.5	3258.9	3374.1	3543.3	3564.2	3803.7	4055.2
22.5°	3288.8	3281.3	3258.9	3242.4	3202.0	3246.9	3350.2	3520.8	3544.8	3811.2	4101.6
25°	3458.0	3455.0	3426.5	3386.1	3282.8	3264.8	3351.7	3520.8	3543.3	3820.2	4151.0
27.5°	3712.4	3694.5	3658.5	3588.2	3440.0	3335.2	3381.6	3529.8	3552.3	3832.2	4191.5
30°	3971.4	3969.9	3957.9	3886.1	3666.0	3469.9	3444.5	3553.8	3574.7	3842.7	4228.9
32.5°	4239.4	4243.9	4273.8	4218.4	3977.4	3670.5	3558.2	3603.2	3618.1	3863.6	4261.8
35°	4493.8	4502.8	4582.2	4601.6	4356.1	3974.4	3743.9	3702.0	3703.5	3910.0	4305.2
37.5°	4737.8	4767.8	4895.0	4989.3	4827.7	4342.6	4011.8	3869.6	3857.6	4002.8	4371.1
40°	5014.8	5071.7	5231.8	5392.0	5341.1	4829.2	4377.1	4127.1	4101.6	4173.5	4489.4
42.5°	5321.7	5383.0	5595.6	5820.1	5844.1	5417.5	4833.6	4502.8	4459.4	4460.9	4710.9
45°	5651.0	5733.3	5980.3	6303.7	6448.9	6073.1	5396.5	5010.3	4966.9	4902.5	5067.2
47.5°	6083.6	6155.5	6393.5	6766.2	7044.6	6776.7	6134.5	5663.0	5583.6	5489.3	5621.0
50°	6456.3	6519.2	6724.3	7191.3	7770.7	7683.8	6971.3	6478.8	6402.5	6242.3	6351.6
52.5°	6538.7	6588.1	6776.7	7302.1	8326.0	8829.0	7996.7	7465.3	7411.4	7115.0	7156.9
55°	6168.9	6243.8	6412.9	6996.7	8471.2	9948.7	9327.5	8577.5	8465.2	7992.2	8067.1
57.5°	5234.8	5368.1	5526.7	6285.7	8077.5	10544.5	11186.7	9755.6	9653.8	8836.5	8838.0
60°	3836.7	3944.5	4050.7	4745.3	7143.4	10504.1	12873.8	11078.9	10893.3	9526.6	9501.1
62.5°	2790.3	2845.7	2844.2	3091.2	4905.5	9812.5	13760.0	13072.9	12640.2	10264.6	10119.4
65°	2194.5	2193.0	2257.4	2338.2	2739.4	7574.6	13869.2	15984.4	15517.4	11254.1	10951.7
67.5°	1708.0	1741.0	1805.3	2043.3	2058.3	3963.9	12908.2	17785.3	17776.3	12764.5	11926.2
70°	1317.3	1362.2	1453.5	1800.8	1901.1	2218.5	9658.3	17214.9	17360.1	13439.6	11236.1
72.5°	845.8	842.8	977.5	1455.0	1826.3	1848.7	5341.1	13674.6	13839.3	12173.2	9085.0
75°	473.0	476.0	552.4	890.7	1702.0	1739.5	2645.1	9751.1	9881.4	9490.7	6980.3
77.5°	185.6	191.6	259.0	468.5	1122.7	1553.8	1571.8	6649.4	6668.9	5881.5	4281.3
80°	74.8	79.3	131.7	290.4	684.1	1046.4	1122.7	3917.5	3838.2	2276.9	1245.5
82.5°	22.5	24.0	52.4	164.7	357.8	744.0	757.5	1502.9	1419.1	489.5	317.4
85°	1.5	1.5	12.0	50.9	127.2	187.1	504.5	489.5	434.1	122.7	140.7
87.5°	0.0	0.0	1.5	1.5	3.0	6.0	53.9	89.8	91.3	22.5	62.9
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°	4014.8	4014.8	4014.8	4014.8	4014.8	4014.8	4014.8	4014.8	4014.8	4014.8	4014.8
2.5°	4028.3	3974.4	3969.9	3928.0	3886.1	3833.7	3772.3	3727.4	3696.0	3640.6	3630.1
5°	4022.3	3950.4	3883.1	3763.3	3630.1	3486.4	3360.7	3243.9	3170.5	3121.1	3100.2
7.5°	4010.3	3919.0	3763.3	3537.3	3314.2	3062.8	2866.7	2687.0	2564.3	2492.4	2461.0
10°	4001.3	3878.6	3625.6	3282.8	2937.0	2589.7	2291.8	2025.4	1877.2	1760.4	1741.0
12.5°	3983.4	3820.2	3449.0	2984.9	2538.8	2077.8	1697.5	1371.2	1145.2	1043.4	1007.4
15°	3965.4	3758.8	3272.3	2670.6	2104.7	1535.9	1074.8	760.5	604.8	556.9	553.9
17.5°	3962.4	3703.5	3080.7	2372.7	1649.6	1005.9	612.3	492.5	459.6	447.6	447.6
20°	3971.4	3657.0	2892.1	2029.9	1202.1	612.3	456.6	426.6	407.2	396.7	396.7
22.5°	3980.4	3609.1	2711.0	1684.1	797.9	447.6	402.7	377.2	354.8	342.8	336.8
25°	3986.4	3556.8	2510.4	1336.8	520.9	389.2	353.3	320.3	293.4	278.4	278.4
27.5°	3984.9	3493.9	2308.3	997.0	404.2	345.8	302.4	268.0	241.0	224.5	226.0
30°	3972.9	3425.0	2098.7	696.1	353.3	302.4	259.0	223.0	196.1	182.6	181.1
32.5°	3963.9	3351.7	1856.2	489.5	317.4	265.0	220.1	185.6	163.2	152.7	151.2
35°	3953.4	3279.8	1625.7	372.7	285.9	229.0	185.6	157.2	139.2	130.2	130.2
37.5°	3956.4	3205.0	1375.7	320.3	254.5	199.1	158.7	134.7	119.8	110.8	109.3
40°	4002.8	3160.1	1130.2	290.4	226.0	172.1	137.7	116.8	101.8	92.8	91.3
42.5°	4118.1	3161.6	895.2	268.0	200.6	146.7	119.8	100.3	86.8	76.3	74.8
45°	4348.6	3224.4	687.1	244.0	173.6	127.2	103.3	85.3	71.9	62.9	61.4
47.5°	4725.9	3411.5	520.9	223.0	151.2	110.8	88.3	71.9	59.9	52.4	50.9
50°	5326.1	3749.9	410.2	197.6	127.2	95.8	74.8	59.9	49.4	41.9	40.4
52.5°	6047.7	4257.3	351.8	175.1	109.3	83.8	64.4	49.4	40.4	34.4	32.9
55°	6877.0	4863.6	324.8	152.7	92.8	71.9	52.4	40.4	32.9	28.4	25.4
57.5°	7637.4	5410.0	323.3	130.2	79.3	61.4	43.4	34.4	28.4	22.5	21.0
60°	8378.4	5866.5	303.9	107.8	68.9	50.9	37.4	28.4	24.0	19.5	18.0
62.5°	9050.6	6237.8	254.5	86.8	58.4	41.9	31.4	25.4	21.0	16.5	16.5
65°	9894.8	6710.8	194.6	70.4	47.9	34.4	26.9	22.5	19.5	15.0	15.0
67.5°	10767.6	6960.8	139.2	58.4	38.9	29.9	24.0	21.0	16.5	13.5	13.5
70°	9752.6	5881.5	100.3	47.9	32.9	25.4	21.0	19.5	16.5	13.5	12.0
72.5°	7616.5	4240.9	74.8	37.4	28.4	24.0	19.5	18.0	15.0	12.0	12.0
75°	5648.0	2473.0	56.9	29.9	22.5	19.5	19.5	18.0	15.0	12.0	10.5
77.5°	3070.2	862.2	43.4	24.0	18.0	15.0	16.5	16.5	13.5	10.5	9.0
80°	812.8	236.5	29.9	18.0	15.0	12.0	12.0	15.0	12.0	9.0	9.0
82.5°	236.5	68.9	21.0	15.0	12.0	10.5	10.5	10.5	9.0	7.5	6.0
85°	115.3	25.4	15.0	12.0	10.5	9.0	7.5	7.5	6.0	4.5	4.5
87.5°	50.9	10.5	12.0	10.5	10.5	7.5	6.0	4.5	4.5	3.0	1.5
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)