

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: P641991

Luminaire Tested: GWS-SA6C-722-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641991
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-SA6C-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16580 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

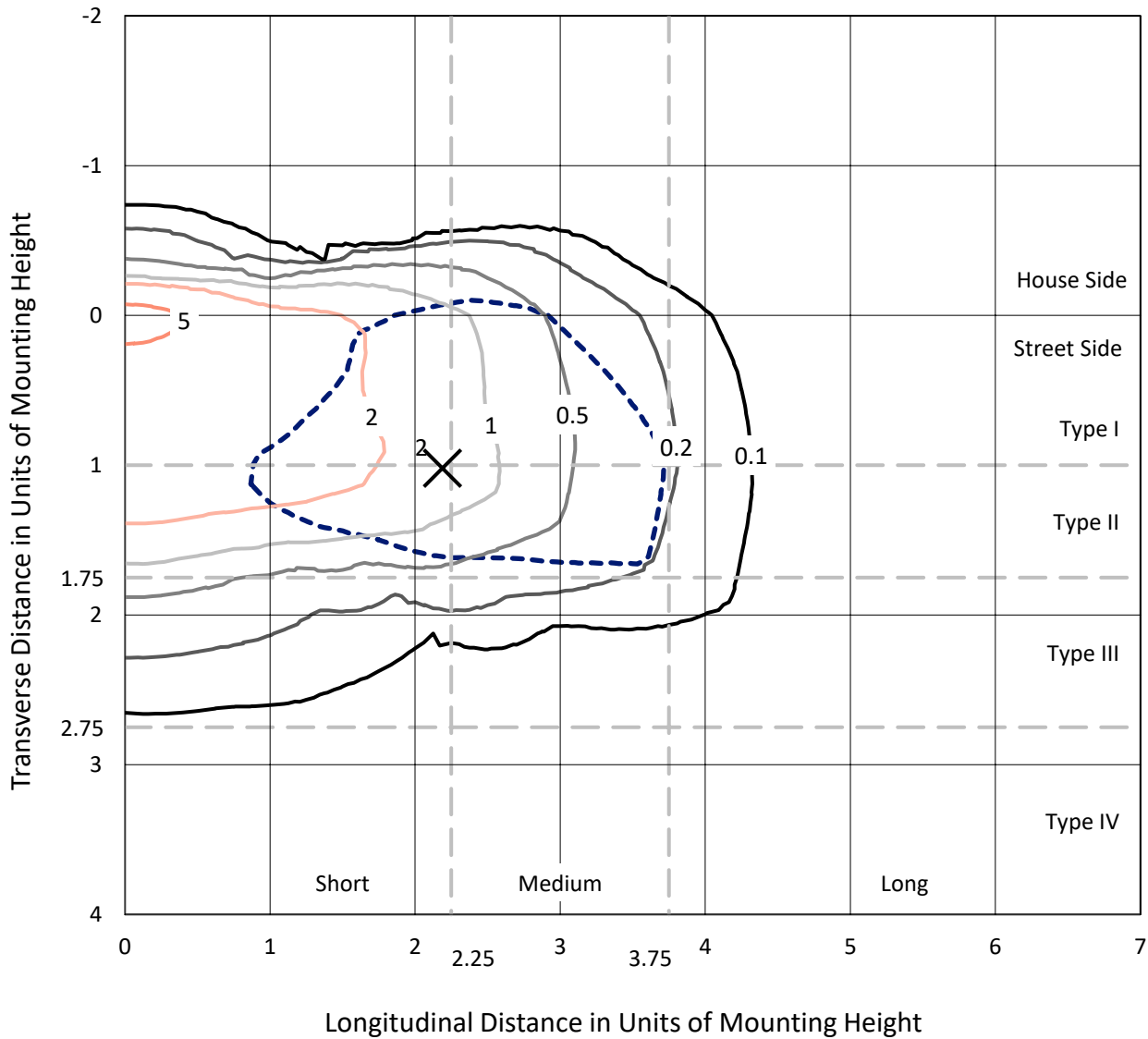
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

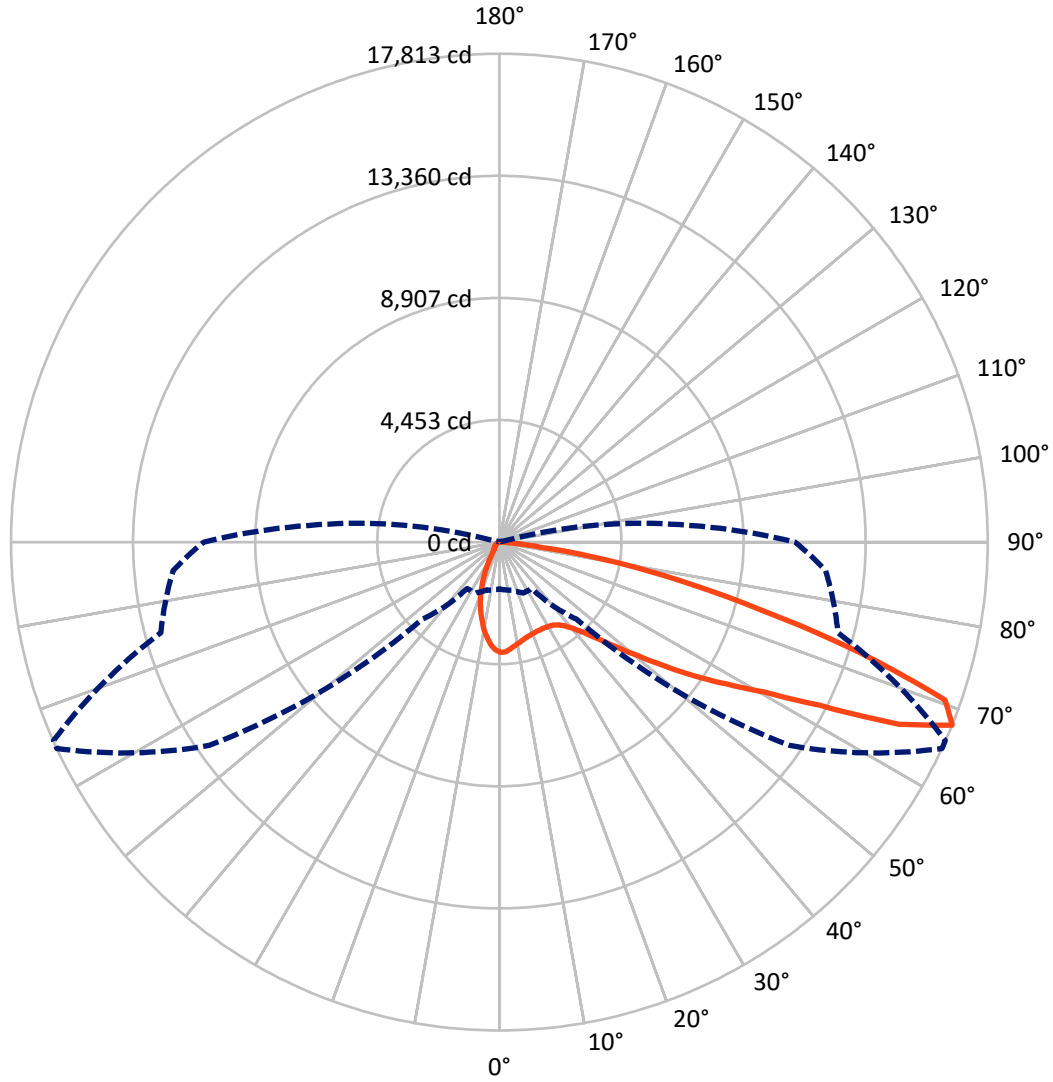
✕ Max cd
 - - - 1/2 Max cd



Based on 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	2070.4	0.0	2070.4
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	14509.7	0.0	14509.7
	% Fixture	87.5	0.0	87.5
Total	Lumens	16580.0	0.0	16580.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.0	2.0
10°-20°	750.8	4.5
20°-30°	1072.8	6.5
30°-40°	1560.8	9.4
40°-50°	2444.5	14.7
50°-60°	3813.4	23.0
60°-70°	4188.9	25.3
70°-80°	2229.3	13.4
80°-90°	185.6	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°	16580.0	100.0
0°-180°	16580.0	100.0

Coefficient of Utilization

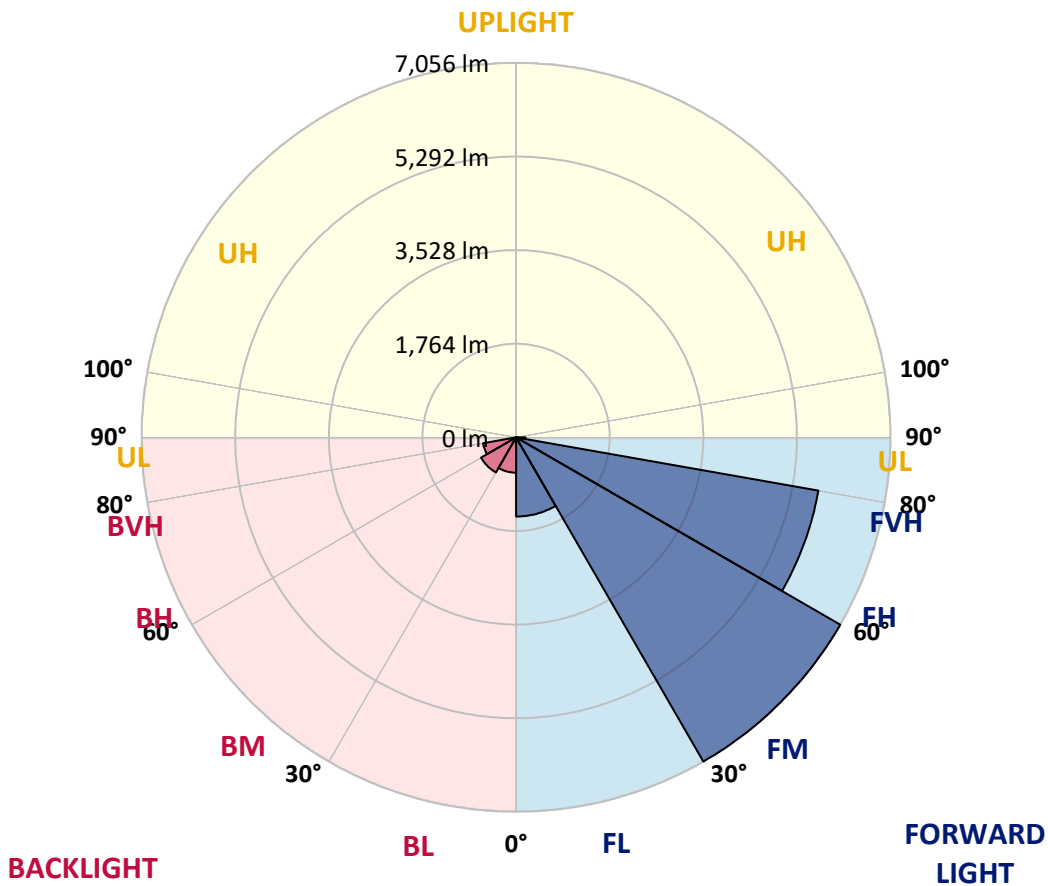


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1492.1	9.0			
FM (30°-60°)	7056.1	42.6			
FH (60°-80°)	5785.8	34.9			G3/7500
FVH (80°-90°)	175.7	1.1			G2/225
BL (0°-30°)	665.4	4.0	B2/1000		
BM (30°-60°)	762.6	4.6	B1/1000		
BH (60°-80°)	632.4	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°	4021.2	4021.2	4021.2	4021.2	4021.2	4021.2	4021.2	4021.2	4021.2	4021.2	4021.2
2.5°	3881.7	3893.7	3877.2	3917.7	3925.2	3970.2	3995.7	4013.7	4012.2	4034.7	4034.7
5°	3653.8	3665.8	3656.8	3700.3	3734.8	3805.3	3863.7	3931.2	3934.2	4003.2	4028.7
7.5°	3460.4	3461.9	3461.9	3515.9	3560.9	3647.8	3734.8	3838.3	3850.2	3956.7	4024.2
10°	3301.5	3306.0	3307.5	3369.0	3418.4	3523.4	3634.3	3758.8	3772.3	3916.2	4021.2
12.5°	3192.0	3193.5	3199.5	3264.0	3318.0	3427.4	3539.9	3682.3	3700.3	3869.7	4007.7
15°	3139.6	3136.6	3139.6	3193.5	3247.5	3352.5	3467.9	3620.9	3640.3	3830.8	4009.2
17.5°	3136.6	3132.1	3129.1	3169.6	3204.0	3297.0	3413.9	3580.4	3601.4	3812.8	4025.7
20°	3180.1	3177.1	3162.1	3180.1	3187.6	3264.0	3379.5	3548.9	3569.9	3809.8	4061.7
22.5°	3294.0	3286.5	3264.0	3247.5	3207.0	3252.0	3355.5	3526.4	3550.4	3817.3	4108.1
25°	3463.4	3460.4	3431.9	3391.5	3288.0	3270.0	3357.0	3526.4	3548.9	3826.3	4157.6
27.5°	3718.3	3700.3	3664.3	3593.9	3445.4	3340.5	3387.0	3535.4	3557.9	3838.3	4198.1
30°	3977.7	3976.2	3964.2	3892.2	3671.8	3475.4	3449.9	3559.4	3580.4	3848.8	4235.6
32.5°	4246.1	4250.6	4280.6	4225.1	3983.7	3676.3	3563.9	3608.9	3623.9	3869.7	4268.6
35°	4501.0	4510.0	4589.4	4608.9	4363.0	3980.7	3749.8	3707.8	3709.3	3916.2	4312.0
37.5°	4745.3	4775.3	4902.8	4997.2	4835.3	4349.5	4018.2	3875.7	3863.7	4009.2	4378.0
40°	5022.7	5079.7	5240.1	5400.5	5349.6	4836.8	4384.0	4133.6	4108.1	4180.1	4496.5
42.5°	5330.1	5391.5	5604.5	5829.4	5853.3	5426.0	4841.3	4510.0	4466.5	4468.0	4718.4
45°	5659.9	5742.4	5989.8	6313.6	6459.1	6082.7	5405.0	5018.2	4974.7	4910.3	5075.2
47.5°	6093.2	6165.2	6403.6	6776.9	7055.8	6787.4	6144.2	5671.9	5592.5	5498.0	5629.9
50°	6466.6	6529.5	6734.9	7202.7	7783.0	7696.0	6982.3	6489.1	6412.6	6252.2	6361.6
52.5°	6549.0	6598.5	6787.4	7313.7	8339.2	8843.0	8009.4	7477.1	7423.1	7126.3	7168.2
55°	6178.7	6253.7	6423.1	7007.8	8484.6	9964.5	9342.3	8591.1	8478.6	8004.9	8079.8
57.5°	5243.1	5376.6	5535.5	6295.6	8090.3	10561.2	11204.4	9771.1	9669.1	8850.5	8852.0
60°	3842.8	3950.7	4057.2	4752.8	7154.7	10520.7	12894.1	11096.5	10910.5	9541.7	9516.2
62.5°	2794.7	2850.2	2848.7	3096.1	4913.3	9828.0	13781.7	13093.5	12660.2	10280.8	10135.4
65°	2198.0	2196.5	2261.0	2341.9	2743.8	7586.6	13891.2	16009.7	15541.9	11271.9	10969.0
67.5°	1710.7	1743.7	1808.2	2046.6	2061.6	3970.2	12928.6	17813.4	17804.4	12784.7	11945.1
70°	1319.4	1364.4	1455.8	1803.7	1904.1	2222.0	9673.6	17242.2	17387.6	13460.9	11253.9
72.5°	847.1	844.1	979.1	1457.3	1829.2	1851.7	5349.6	13696.3	13861.2	12192.5	9099.4
75°	473.8	476.8	553.2	892.1	1704.7	1742.2	2649.3	9766.6	9897.0	9505.7	6991.3
77.5°	185.9	191.9	259.4	469.3	1124.5	1556.3	1574.3	6660.0	6679.5	5890.8	4288.1
80°	75.0	79.5	131.9	290.9	685.2	1048.0	1124.5	3923.7	3844.3	2280.5	1247.4
82.5°	22.5	24.0	52.5	164.9	358.3	745.2	758.7	1505.3	1421.4	490.3	317.9
85°	1.5	1.5	12.0	51.0	127.4	187.4	505.3	490.3	434.8	122.9	140.9
87.5°	0.0	0.0	1.5	1.5	3.0	6.0	54.0	90.0	91.5	22.5	63.0
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°	4021.2	4021.2	4021.2	4021.2	4021.2	4021.2	4021.2	4021.2	4021.2	4021.2	4021.2
2.5°	4034.7	3980.7	3976.2	3934.2	3892.2	3839.8	3778.3	3733.3	3701.8	3646.3	3635.8
5°	4028.7	3956.7	3889.2	3769.3	3635.8	3491.9	3366.0	3249.0	3175.6	3126.1	3105.1
7.5°	4016.7	3925.2	3769.3	3542.9	3319.5	3067.6	2871.2	2691.3	2568.3	2496.4	2464.9
10°	4007.7	3884.7	3631.3	3288.0	2941.7	2593.8	2295.5	2028.6	1880.1	1763.2	1743.7
12.5°	3989.7	3826.3	3454.4	2989.6	2542.8	2081.1	1700.2	1373.4	1147.0	1045.0	1009.0
15°	3971.7	3764.8	3277.5	2674.8	2108.0	1538.3	1076.5	761.7	605.7	557.7	554.7
17.5°	3968.7	3709.3	3085.6	2376.4	1652.2	1007.5	613.2	493.3	460.3	448.3	448.3
20°	3977.7	3662.8	2896.7	2033.1	1204.0	613.2	457.3	427.3	407.8	397.3	397.3
22.5°	3986.7	3614.9	2715.3	1686.7	799.1	448.3	403.3	377.8	355.3	343.3	337.3
25°	3992.7	3562.4	2514.4	1338.9	521.8	389.8	353.8	320.9	293.9	278.9	278.9
27.5°	3991.2	3499.4	2311.9	998.5	404.8	346.3	302.9	268.4	241.4	224.9	226.4
30°	3979.2	3430.4	2102.0	697.2	353.8	302.9	259.4	223.4	196.4	182.9	181.4
32.5°	3970.2	3357.0	1859.2	490.3	317.9	265.4	220.4	185.9	163.4	152.9	151.4
35°	3959.7	3285.0	1628.3	373.3	286.4	229.4	185.9	157.4	139.4	130.4	130.4
37.5°	3962.7	3210.0	1377.9	320.9	254.9	199.4	158.9	134.9	119.9	110.9	109.5
40°	4009.2	3165.1	1132.0	290.9	226.4	172.4	137.9	116.9	102.0	93.0	91.5
42.5°	4124.6	3166.6	896.6	268.4	200.9	146.9	119.9	100.5	87.0	76.5	75.0
45°	4355.5	3229.5	688.2	244.4	173.9	127.4	103.5	85.5	72.0	63.0	61.5
47.5°	4733.3	3416.9	521.8	223.4	151.4	110.9	88.5	72.0	60.0	52.5	51.0
50°	5334.6	3755.8	410.8	197.9	127.4	96.0	75.0	60.0	49.5	42.0	40.5
52.5°	6057.2	4264.1	352.3	175.4	109.5	84.0	64.5	49.5	40.5	34.5	33.0
55°	6887.9	4871.3	325.4	152.9	93.0	72.0	52.5	40.5	33.0	28.5	25.5
57.5°	7649.5	5418.5	323.9	130.4	79.5	61.5	43.5	34.5	28.5	22.5	21.0
60°	8391.7	5875.8	304.4	108.0	69.0	51.0	37.5	28.5	24.0	19.5	18.0
62.5°	9064.9	6247.7	254.9	87.0	58.5	42.0	31.5	25.5	21.0	16.5	16.5
65°	9910.5	6721.4	194.9	70.5	48.0	34.5	27.0	22.5	19.5	15.0	15.0
67.5°	10784.6	6971.8	139.4	58.5	39.0	30.0	24.0	21.0	16.5	13.5	13.5
70°	9768.1	5890.8	100.5	48.0	33.0	25.5	21.0	19.5	16.5	13.5	12.0
72.5°	7628.5	4247.6	75.0	37.5	28.5	24.0	19.5	18.0	15.0	12.0	12.0
75°	5656.9	2476.9	57.0	30.0	22.5	19.5	19.5	18.0	15.0	12.0	10.5
77.5°	3075.1	863.6	43.5	24.0	18.0	15.0	16.5	16.5	13.5	10.5	9.0
80°	814.1	236.9	30.0	18.0	15.0	12.0	12.0	15.0	12.0	9.0	9.0
82.5°	236.9	69.0	21.0	15.0	12.0	10.5	10.5	10.5	9.0	7.5	6.0
85°	115.4	25.5	15.0	12.0	10.5	9.0	7.5	7.5	6.0	4.5	4.5
87.5°	51.0	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)