

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: P642259

Luminaire Tested: GWS-SA6C-750-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642259
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-750-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24357.4 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

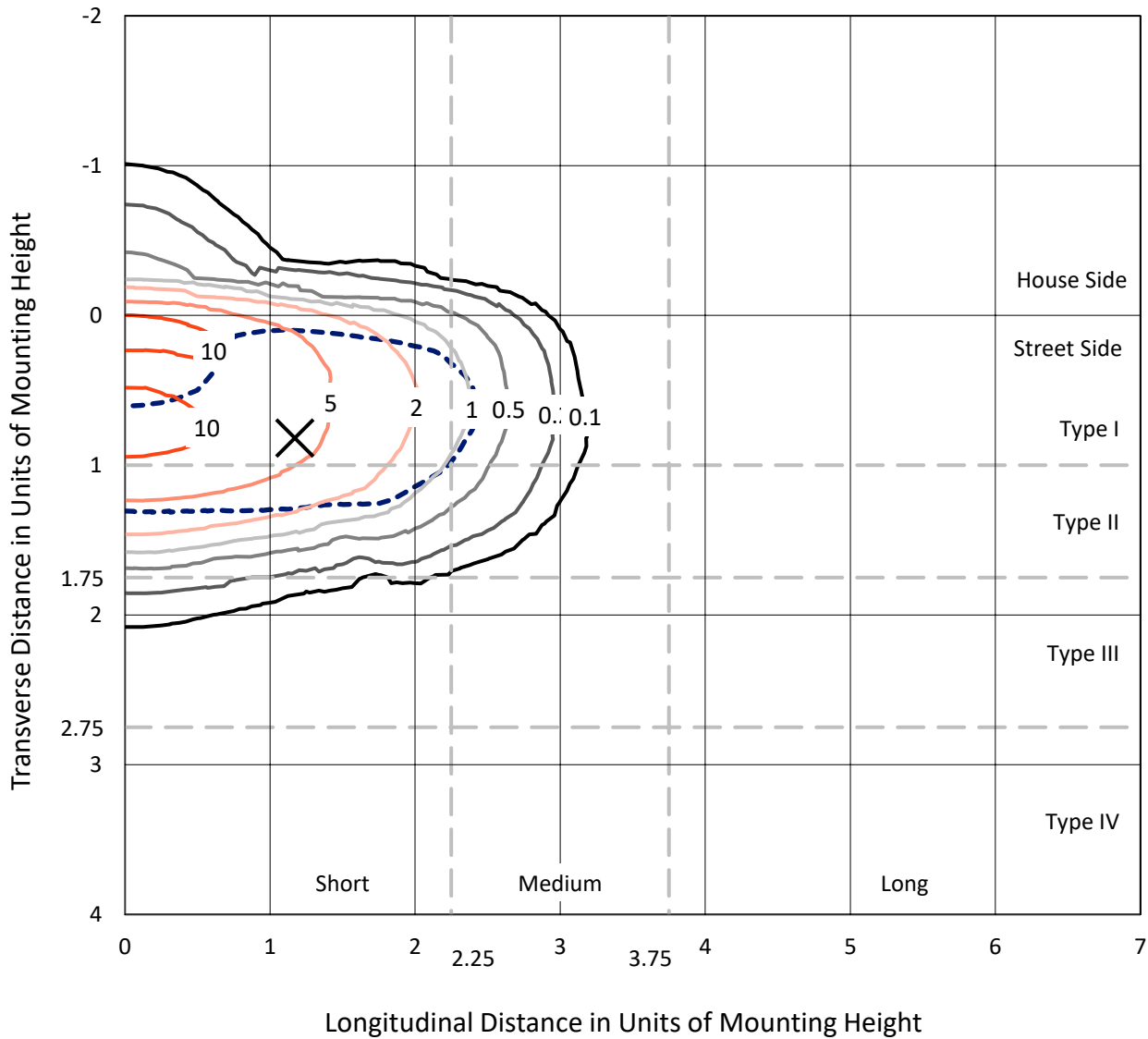
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

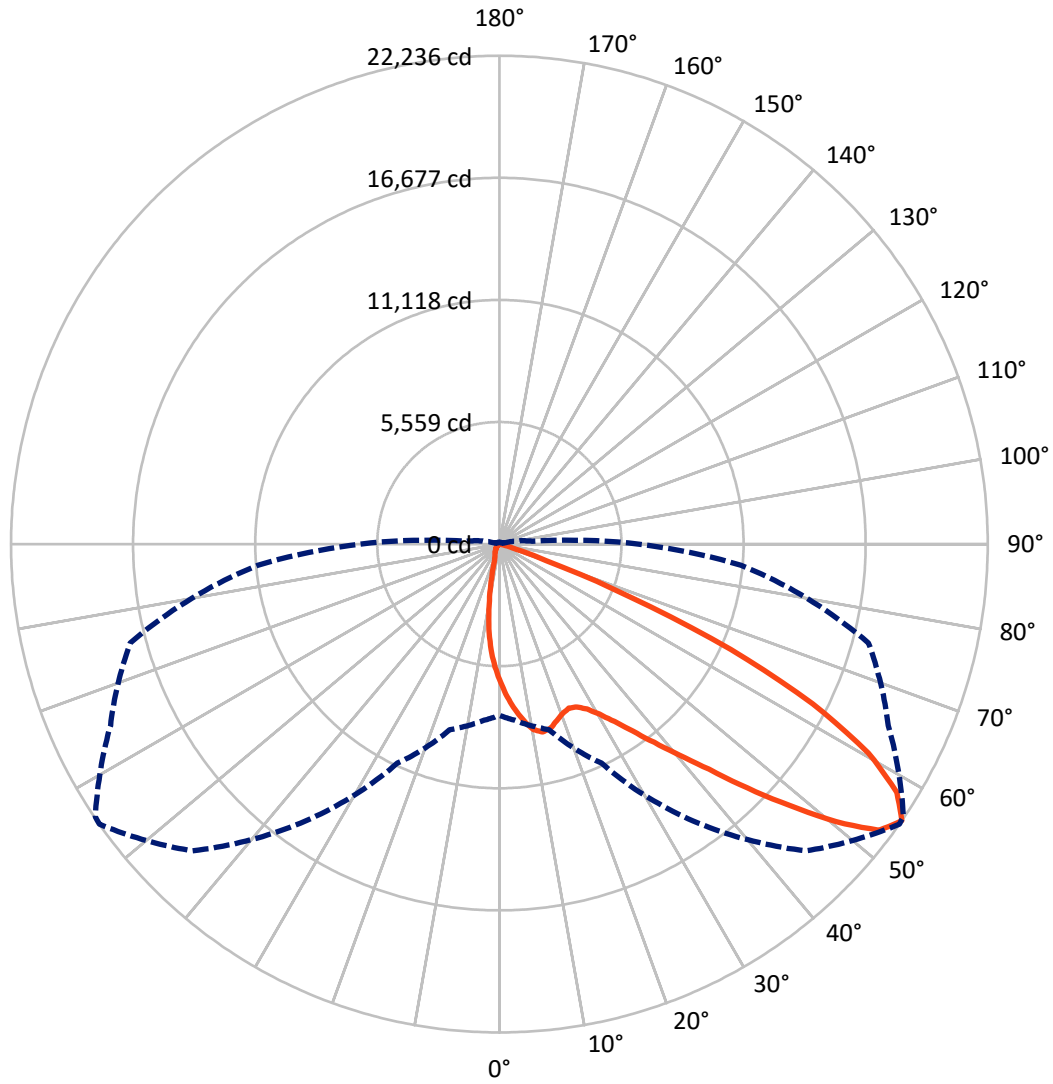
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1503.0	0.0	1503.0
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	22854.4	0.0	22854.4
	% Fixture	93.8	0.0	93.8
Total	Lumens	24357.4	0.0	24357.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.1	2.3
10°-20°	1340.7	5.5
20°-30°	2232.8	9.2
30°-40°	3804.8	15.6
40°-50°	6210.8	25.5
50°-60°	6502.4	26.7
60°-70°	3279.7	13.5
70°-80°	414.3	1.7
80°-90°	15.7	0.1
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°	24357.4	100.0
0°-180°	24357.4	100.0

Coefficient of Utilization

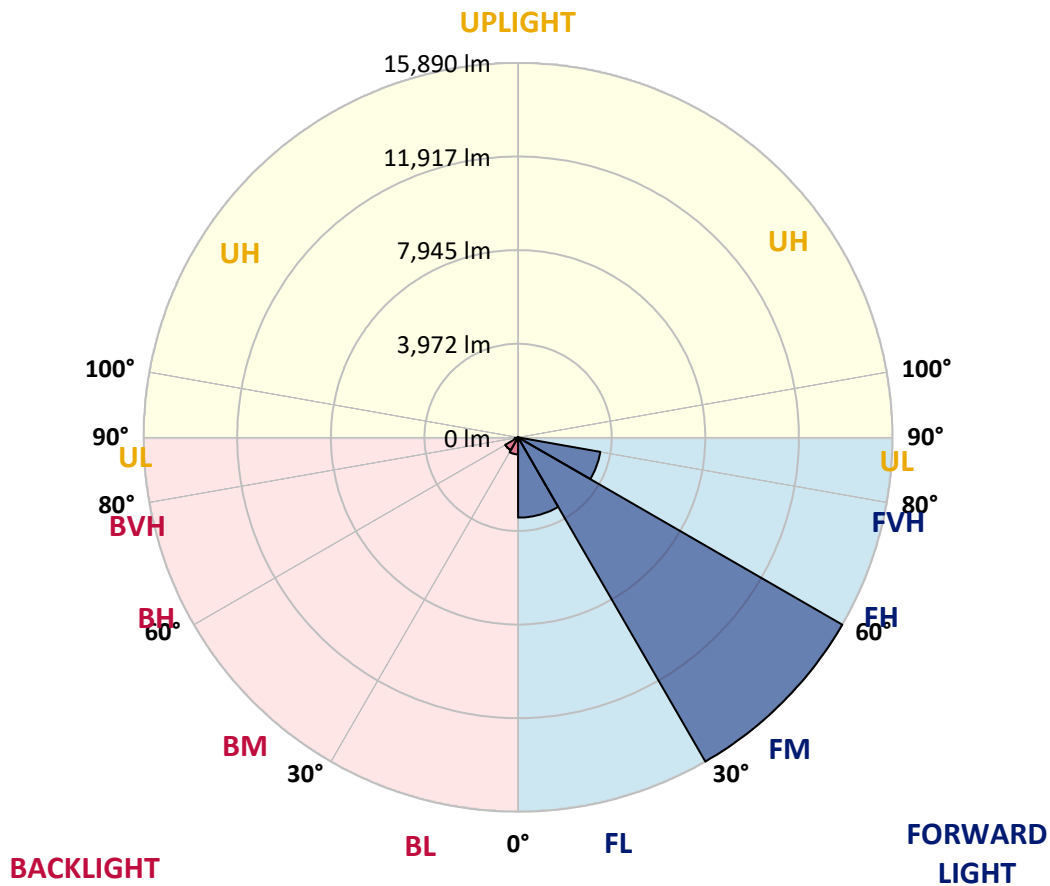


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3407.3	14.0			
FM (30°-60°)	15889.7	65.2			
FH (60°-80°)	3543.2	14.5			G2/5000
FVH (80°-90°)	14.3	0.1			G1/100
BL (0°-30°)	722.4	3.0	B2/1000		
BM (30°-60°)	628.4	2.6	B1/1000		
BH (60°-80°)	150.8	0.6	B1/500		G1/500
BVH (80°-90°)	1.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	6292.5	6292.5	6292.5	6292.5	6292.5	6292.5	6292.5	6292.5	6292.5	6292.5	6292.5
2.5°	7335.7	7300.3	7354.5	7292.0	7185.8	7096.3	6979.7	6938.0	6750.6	6573.6	6402.9
5°	8226.9	8237.3	8220.7	8133.2	7983.3	7816.7	7581.4	7529.4	7202.5	6865.1	6500.7
7.5°	8447.6	8441.4	8476.8	8510.1	8485.1	8401.8	8145.7	8093.7	7687.6	7181.6	6650.7
10°	7766.8	7770.9	7843.8	8068.7	8347.7	8637.1	8597.6	8568.4	8170.7	7539.8	6817.2
12.5°	6804.8	6842.2	6919.3	7239.9	7712.6	8370.6	8778.7	8807.9	8614.2	7933.3	7013.0
15°	6388.3	6396.6	6459.1	6652.8	7004.7	7816.7	8701.7	8782.9	8984.9	8329.0	7225.4
17.5°	6377.9	6388.3	6415.4	6500.7	6729.8	7381.5	8453.9	8595.5	9263.9	8753.7	7479.4
20°	6769.4	6763.1	6744.4	6698.6	6798.5	7237.9	8224.8	8381.0	9415.9	9168.1	7735.5
22.5°	7479.4	7471.1	7387.8	7198.3	7117.1	7369.0	8112.4	8254.0	9507.5	9536.7	7945.8
25°	8297.7	8356.0	8199.9	7912.5	7712.6	7704.3	8212.3	8312.3	9586.6	9863.6	8089.5
27.5°	9195.2	9213.9	9080.6	8757.9	8468.5	8241.5	8501.8	8576.7	9674.1	10155.1	8170.7
30°	10180.1	10173.8	10021.8	9647.0	9295.1	8968.2	8989.0	9018.2	9878.1	10488.2	8260.2
32.5°	11410.7	11437.7	11167.0	10656.9	10234.2	9782.4	9626.2	9630.4	10246.7	10917.2	8395.6
35°	13082.7	13016.1	12657.9	11931.2	11210.8	10723.5	10457.0	10434.1	10815.1	11494.0	8630.9
37.5°	14675.6	14681.9	14307.1	13507.5	12597.5	11829.2	11452.3	11389.8	11614.7	12293.5	9022.3
40°	15781.3	15802.1	15645.9	15227.4	14263.3	13176.4	12622.5	12558.0	12651.7	13305.5	9534.6
42.5°	16366.4	16424.7	16468.4	16566.3	15835.4	14858.9	14007.2	14001.0	13903.1	14459.1	10128.0
45°	16389.3	16476.8	16743.3	17411.7	17495.0	16778.7	15852.1	15712.6	15335.7	15693.8	10659.0
47.5°	15483.5	15685.5	16251.9	17576.2	18450.7	18688.1	17769.8	17684.5	16626.7	16670.4	11056.7
50°	13372.1	13582.4	14625.6	16732.9	18692.3	20204.0	19875.0	19698.0	17705.3	17315.9	11248.3
52.5°	11206.6	11398.2	12106.1	14725.6	17690.7	20680.8	21649.0	21438.7	18673.5	17540.8	11169.1
55°	7798.0	8054.1	8745.4	11006.7	15383.6	19752.1	22236.2	22192.5	19537.6	17399.2	11046.3
57.5°	3823.0	4077.0	4766.2	6786.0	11396.1	17245.1	21338.8	21569.9	20054.0	17247.2	10946.3
60°	1597.1	1701.2	1938.6	2977.6	6375.8	13032.7	19312.8	19633.4	19737.5	17041.0	10935.9
62.5°	926.6	943.3	968.2	1234.8	2479.9	7471.1	16020.7	16476.8	18073.8	16768.3	10771.4
65°	699.6	705.9	695.5	757.9	1024.5	2833.9	11575.2	12195.7	15085.8	15702.2	10121.8
67.5°	574.7	574.7	547.6	560.1	643.4	1061.9	6390.4	7256.6	11162.9	12905.7	8358.1
70°	458.1	468.5	456.0	439.4	460.2	587.2	2273.8	2819.4	6500.7	7621.0	4874.5
72.5°	347.7	347.7	368.6	356.1	341.5	368.6	793.3	891.2	2609.0	3177.5	1759.5
75°	268.6	276.9	291.5	279.0	258.2	218.6	381.0	404.0	787.1	739.2	393.5
77.5°	137.4	139.5	185.3	204.1	191.6	133.3	166.6	183.2	256.1	229.0	145.8
80°	83.3	87.5	104.1	160.3	127.0	70.8	68.7	72.9	120.8	104.1	60.4
82.5°	35.4	37.5	58.3	58.3	52.1	27.1	27.1	27.1	58.3	54.1	25.0
85°	0.0	0.0	10.4	8.3	8.3	10.4	10.4	10.4	14.6	20.8	12.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	6.2	6.2
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°	6292.5	6292.5	6292.5	6292.5	6292.5	6292.5	6292.5	6292.5	6292.5	6292.5	6292.5
2.5°	6292.5	6159.3	5980.2	5817.8	5599.1	5476.3	5305.5	5166.0	5047.3	5009.9	4993.2
5°	6294.6	6065.6	5682.4	5299.3	4828.7	4458.1	4077.0	3775.1	3527.3	3448.2	3427.4
7.5°	6336.3	5998.9	5378.4	4683.0	3895.9	3246.2	2665.3	2144.7	1903.2	1822.0	1805.3
10°	6392.5	5942.7	5026.5	3943.8	2813.1	1978.1	1401.3	1068.2	909.9	822.5	835.0
12.5°	6465.4	5896.9	4637.1	3144.2	1861.5	1086.9	770.4	645.5	612.2	595.5	587.2
15°	6563.2	5842.8	4154.1	2350.8	1141.1	699.6	593.4	560.1	547.6	539.3	537.2
17.5°	6663.2	5780.3	3662.7	1653.3	757.9	580.9	533.1	516.4	508.1	501.8	499.7
20°	6769.4	5674.1	3085.9	1139.0	597.6	522.6	491.4	472.7	462.3	451.8	449.8
22.5°	6815.2	5503.4	2534.1	797.5	531.0	481.0	441.4	418.5	406.0	397.7	397.7
25°	6771.4	5226.4	1963.6	605.9	483.1	435.2	395.6	370.6	360.2	351.9	351.9
27.5°	6654.8	4870.4	1432.6	501.8	431.0	387.3	349.8	326.9	318.6	314.4	314.4
30°	6525.7	4420.6	1009.9	431.0	372.7	337.3	306.1	291.5	289.4	285.3	285.3
32.5°	6415.4	4000.0	695.5	379.0	329.0	293.6	272.8	266.5	268.6	264.4	266.5
35°	6355.0	3587.7	516.4	337.3	293.6	260.3	249.9	249.9	249.9	247.8	247.8
37.5°	6380.0	3181.7	420.6	308.2	262.4	237.4	227.0	231.1	235.3	235.3	235.3
40°	6504.9	2821.4	372.7	281.1	235.3	216.6	208.2	214.5	220.7	224.9	224.9
42.5°	6663.2	2529.9	337.3	258.2	216.6	195.7	191.6	197.8	204.1	208.2	208.2
45°	6763.1	2236.3	301.9	229.0	197.8	172.8	172.8	181.2	179.1	181.2	181.2
47.5°	6808.9	2003.1	266.5	197.8	168.7	149.9	152.0	156.2	152.0	156.2	156.2
50°	6696.5	1767.8	235.3	164.5	139.5	131.2	135.3	133.3	133.3	141.6	141.6
52.5°	6490.3	1592.9	208.2	139.5	118.7	116.6	120.8	112.4	114.5	114.5	112.4
55°	6338.3	1493.0	185.3	120.8	102.0	104.1	102.0	87.5	79.1	70.8	68.7
57.5°	6263.4	1453.4	168.7	108.3	91.6	91.6	83.3	60.4	45.8	35.4	31.2
60°	6246.7	1405.5	152.0	93.7	81.2	77.0	60.4	35.4	22.9	16.7	14.6
62.5°	6088.5	1288.9	137.4	75.0	70.8	62.5	37.5	20.8	12.5	8.3	6.2
65°	5570.0	1059.9	122.9	58.3	54.1	45.8	22.9	12.5	6.2	2.1	0.0
67.5°	4431.0	751.7	108.3	43.7	37.5	29.2	14.6	8.3	2.1	0.0	0.0
70°	2554.9	406.0	89.5	31.2	25.0	18.7	10.4	4.2	0.0	0.0	0.0
72.5°	853.7	189.5	68.7	20.8	18.7	14.6	6.2	2.1	0.0	0.0	0.0
75°	187.4	112.4	45.8	14.6	12.5	10.4	4.2	0.0	0.0	0.0	0.0
77.5°	70.8	79.1	22.9	10.4	8.3	6.2	2.1	0.0	0.0	0.0	0.0
80°	27.1	52.1	10.4	6.2	6.2	2.1	0.0	0.0	0.0	0.0	0.0
82.5°	14.6	20.8	6.2	4.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.3	10.4	4.2	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.2	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)