

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: P637804

Luminaire Tested: GWS-SA4D-750-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637804
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-SA4D-750-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21007 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

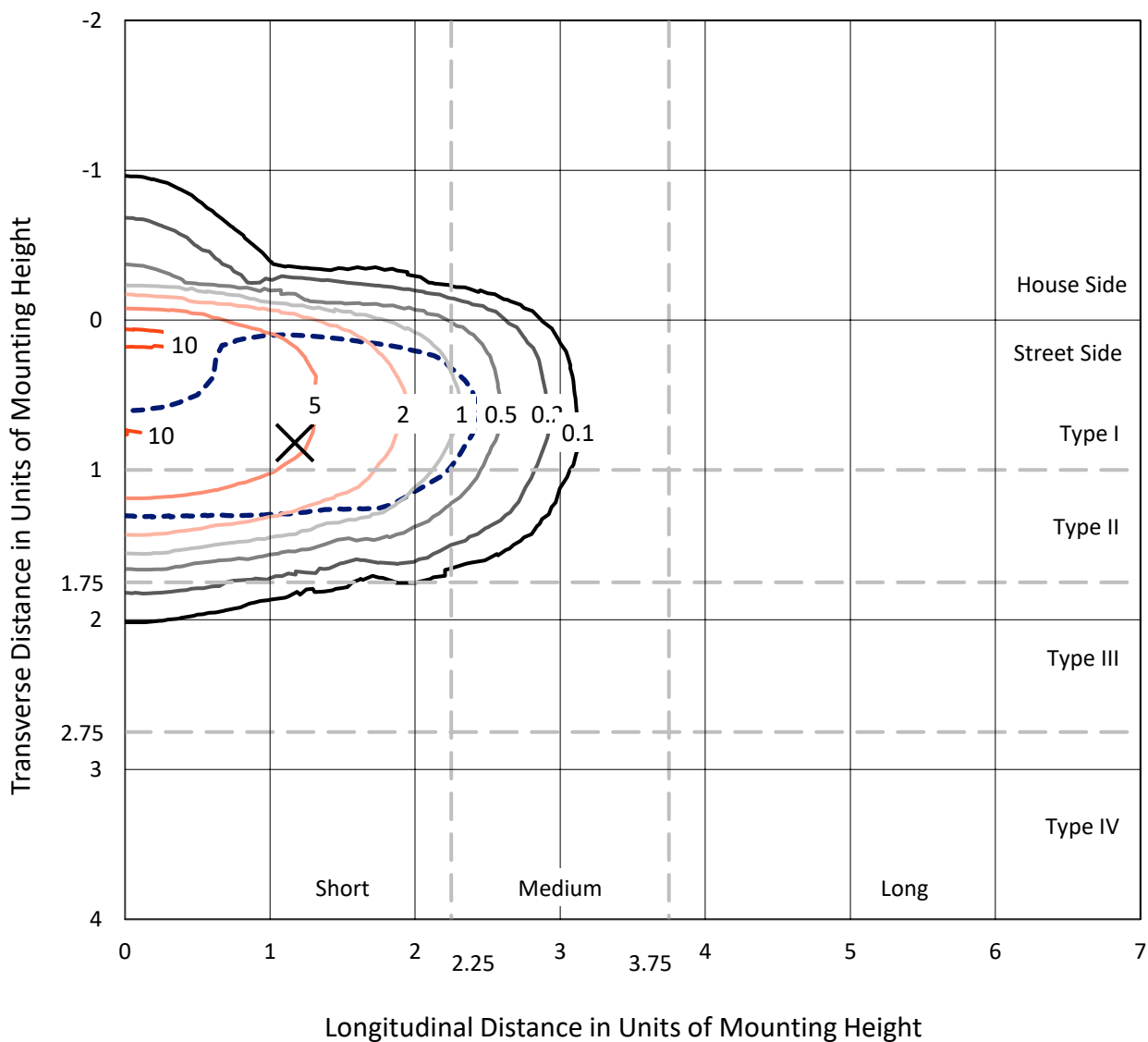
Input Watts (W): 162.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637804
 CATALOG NUMBER: GWS-SA4D-750-U-AFL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

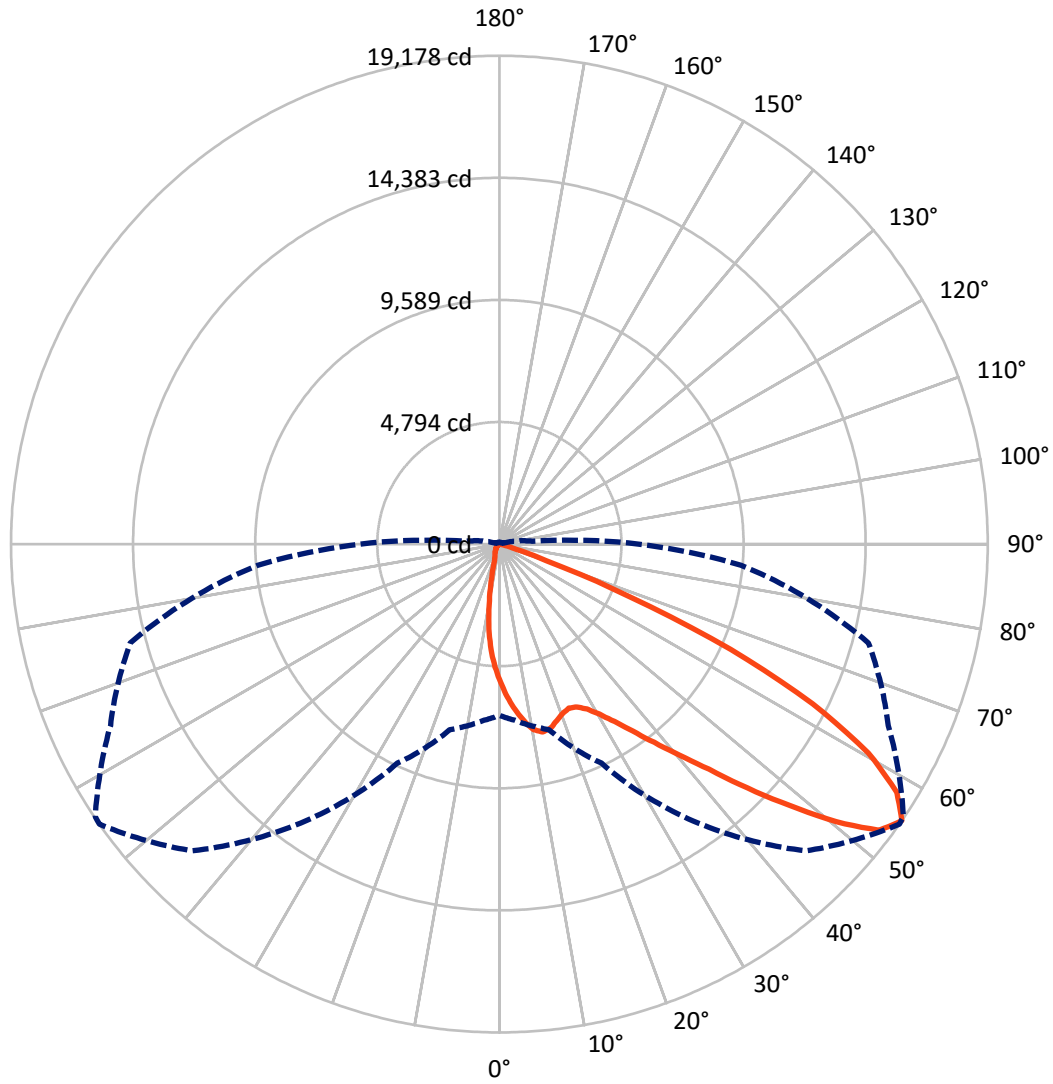
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type II - Short - N/A

REPORT NUMBER: P637804
CATALOG NUMBER: GWS-SA4D-750-U-AFL-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P637804
 CATALOG NUMBER: GWS-SA4D-750-U-AFL-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1296.2	0.0	1296.2
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	19710.8	0.0	19710.8
	% Fixture	93.8	0.0	93.8
Total	Lumens	21007.0	0.0	21007.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	479.6	2.3
10°-20°	1156.3	5.5
20°-30°	1925.7	9.2
30°-40°	3281.5	15.6
40°-50°	5356.5	25.5
50°-60°	5608.0	26.7
60°-70°	2828.6	13.5
70°-80°	357.3	1.7
80°-90°	13.6	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°	21007.0	100.0
0°-180°	21007.0	100.0

Coefficient of Utilization



REPORT NUMBER: P637804

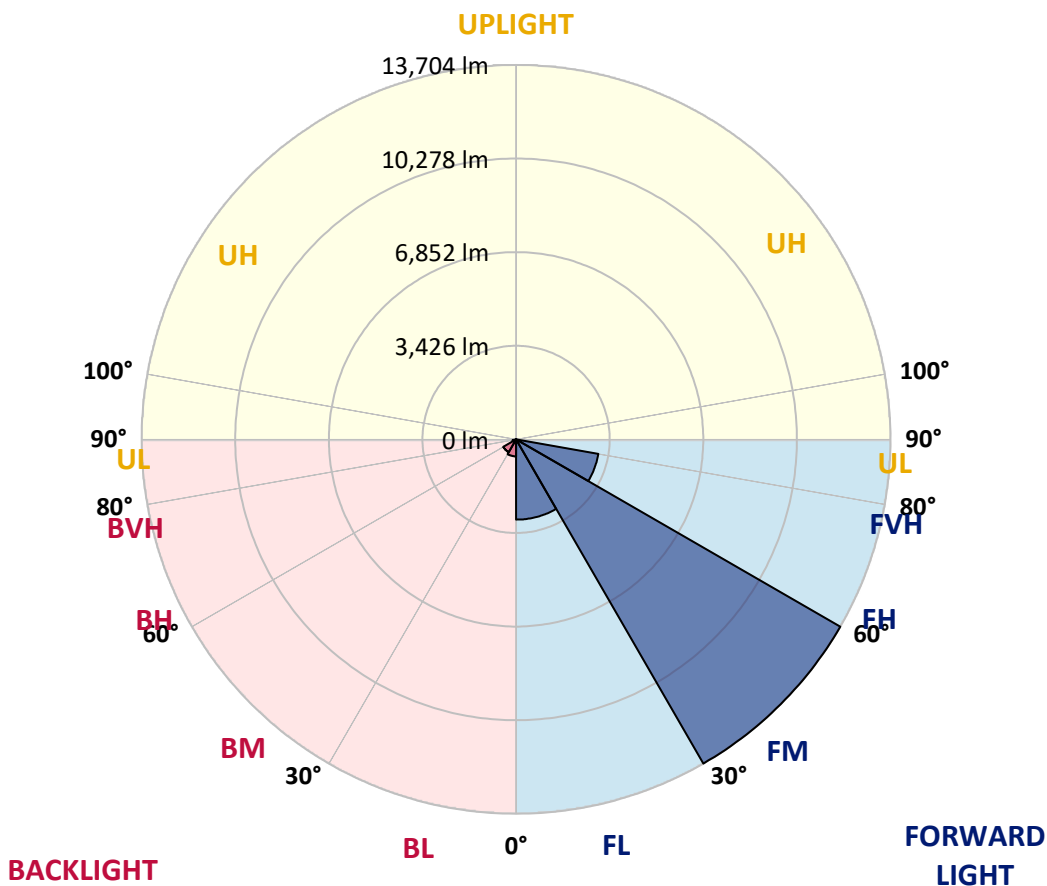
CATALOG NUMBER: GWS-SA4D-750-U-AFL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2938.6	14.0			
FM (30°-60°)	13704.0	65.2			
FH (60°-80°)	3055.8	14.5			G2/5000
FVH (80°-90°)	12.3	0.1			G1/100
BL (0°-30°)	623.0	3.0	B2/1000		
BM (30°-60°)	542.0	2.6	B1/1000		
BH (60°-80°)	130.0	0.6	B1/500		G1/500
BVH (80°-90°)	1.2	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





REPORT NUMBER: P637804

CATALOG NUMBER: GWS-SA4D-750-U-AFL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	5427.0	5427.0	5427.0	5427.0	5427.0	5427.0	5427.0	5427.0	5427.0	5427.0	5427.0
2.5°	6326.7	6296.2	6342.8	6289.0	6197.4	6120.2	6019.6	5983.7	5822.1	5669.4	5522.2
5°	7095.3	7104.3	7089.9	7014.5	6885.2	6741.5	6538.6	6493.7	6211.8	5920.8	5606.6
7.5°	7285.7	7280.3	7310.8	7339.5	7318.0	7246.1	7025.3	6980.4	6630.2	6193.8	5735.9
10°	6698.4	6702.0	6764.9	6958.8	7199.5	7449.1	7415.0	7389.8	7046.8	6502.7	5879.5
12.5°	5868.8	5901.1	5967.5	6244.1	6651.7	7219.2	7571.2	7596.3	7429.3	6842.1	6048.3
15°	5509.6	5516.8	5570.6	5737.7	6041.2	6741.5	7504.7	7574.8	7749.0	7183.3	6231.5
17.5°	5500.6	5509.6	5532.9	5606.6	5804.1	6366.2	7291.0	7413.2	7989.6	7549.6	6450.6
20°	5838.2	5832.8	5816.7	5777.2	5863.4	6242.3	7093.5	7228.2	8120.7	7907.0	6671.5
22.5°	6450.6	6443.4	6371.6	6208.2	6138.1	6355.4	6996.5	7118.6	8199.7	8224.9	6852.9
25°	7156.4	7206.6	7072.0	6824.1	6651.7	6644.5	7082.7	7168.9	8268.0	8506.8	6976.8
27.5°	7930.4	7946.5	7831.6	7553.2	7303.6	7107.9	7332.3	7397.0	8343.4	8758.2	7046.8
30°	8779.8	8774.4	8643.3	8320.0	8016.6	7734.6	7752.6	7777.7	8519.4	9045.6	7124.0
32.5°	9841.1	9864.5	9631.0	9191.0	8826.5	8436.8	8302.1	8305.7	8837.2	9415.5	7240.8
35°	11283.2	11225.7	10916.8	10290.1	9668.7	9248.5	9018.6	8998.9	9327.5	9912.9	7443.7
37.5°	12657.0	12662.4	12339.1	11649.5	10864.7	10202.1	9877.0	9823.2	10017.1	10602.5	7781.3
40°	13610.5	13628.5	13493.8	13132.9	12301.4	11364.0	10886.3	10830.6	10911.4	11475.3	8223.1
42.5°	14115.2	14165.5	14203.2	14287.6	13657.2	12815.0	12080.5	12075.1	11990.7	12470.2	8734.9
45°	14134.9	14210.4	14440.2	15016.7	15088.5	14470.7	13671.6	13551.3	13226.2	13535.1	9192.8
47.5°	13353.7	13527.9	14016.4	15158.5	15912.8	16117.5	15325.6	15251.9	14339.7	14377.4	9535.8
50°	11532.8	11714.2	12613.9	14431.2	16121.1	17424.9	17141.1	16988.5	15269.9	14934.1	9701.0
52.5°	9665.1	9830.3	10440.9	12700.1	15257.3	17836.1	18671.2	18489.8	16104.9	15128.0	9632.8
55°	6725.4	6946.2	7542.5	9492.7	13267.5	17035.2	19177.6	19139.9	16850.2	15005.9	9526.8
57.5°	3297.1	3516.2	4110.6	5852.6	9828.5	14873.0	18403.6	18602.9	17295.6	14874.8	9440.6
60°	1377.4	1467.2	1671.9	2568.0	5498.8	11240.1	16656.3	16932.8	17022.6	14697.0	9431.7
62.5°	799.1	813.5	835.1	1064.9	2138.8	6443.4	13817.1	14210.4	15587.7	14461.8	9289.8
65°	603.4	608.8	599.8	653.7	883.5	2444.1	9983.0	10518.1	13010.7	13542.3	8729.5
67.5°	495.6	495.6	472.3	483.1	554.9	915.9	5511.4	6258.4	9627.4	11130.5	7208.4
70°	395.1	404.1	393.3	378.9	396.9	506.4	1961.0	2431.5	5606.6	6572.7	4204.0
72.5°	299.9	299.9	317.9	307.1	294.5	317.9	684.2	768.6	2250.2	2740.4	1517.5
75°	231.7	238.8	251.4	240.6	222.7	188.6	328.6	348.4	678.8	637.5	339.4
77.5°	118.5	120.3	159.8	176.0	165.2	114.9	143.7	158.0	220.9	197.5	125.7
80°	71.8	75.4	89.8	138.3	109.5	61.1	59.3	62.9	104.2	89.8	52.1
82.5°	30.5	32.3	50.3	50.3	44.9	23.3	23.3	23.3	50.3	46.7	21.5
85°	0.0	0.0	9.0	7.2	7.2	9.0	9.0	9.0	12.6	18.0	10.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	5.4	5.4
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: P637804

CATALOG NUMBER: GWS-SA4D-750-U-AFL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5427.0	5427.0	5427.0	5427.0	5427.0	5427.0	5427.0	5427.0	5427.0	5427.0	5427.0
2.5°	5427.0	5312.0	5157.6	5017.5	4829.0	4723.0	4575.8	4455.4	4353.1	4320.8	4306.4
5°	5428.8	5231.2	4900.8	4570.4	4164.5	3844.9	3516.2	3255.8	3042.1	2973.9	2955.9
7.5°	5464.7	5173.8	4638.6	4038.8	3360.0	2799.7	2298.7	1849.7	1641.4	1571.3	1557.0
10°	5513.2	5125.3	4335.1	3401.3	2426.2	1706.0	1208.6	921.3	784.8	709.4	720.1
12.5°	5576.0	5085.8	3999.3	2711.7	1605.5	937.4	664.5	556.7	528.0	513.6	506.4
15°	5660.4	5039.1	3582.7	2027.5	984.1	603.4	511.8	483.1	472.3	465.1	463.3
17.5°	5746.6	4985.2	3158.9	1425.9	653.7	501.0	459.7	445.4	438.2	432.8	431.0
20°	5838.2	4893.6	2661.4	982.3	515.4	450.8	423.8	407.7	398.7	389.7	387.9
22.5°	5877.7	4746.4	2185.5	687.8	457.9	414.8	380.7	361.0	350.2	343.0	343.0
25°	5840.0	4507.5	1693.5	522.6	416.6	375.3	341.2	319.7	310.7	303.5	303.5
27.5°	5739.5	4200.4	1235.5	432.8	371.7	334.0	301.7	281.9	274.8	271.2	271.2
30°	5628.1	3812.5	871.0	371.7	321.5	290.9	264.0	251.4	249.6	246.0	246.0
32.5°	5532.9	3449.8	599.8	326.8	283.7	253.2	235.3	229.9	231.7	228.1	229.9
35°	5480.9	3094.2	445.4	290.9	253.2	224.5	215.5	215.5	215.5	213.7	213.7
37.5°	5502.4	2744.0	362.8	265.8	226.3	204.7	195.7	199.3	202.9	202.9	202.9
40°	5610.2	2433.3	321.5	242.4	202.9	186.8	179.6	185.0	190.4	193.9	193.9
42.5°	5746.6	2181.9	290.9	222.7	186.8	168.8	165.2	170.6	176.0	179.6	179.6
45°	5832.8	1928.7	260.4	197.5	170.6	149.1	149.1	156.2	154.4	156.2	156.2
47.5°	5872.3	1727.6	229.9	170.6	145.5	129.3	131.1	134.7	131.1	134.7	134.7
50°	5775.4	1524.7	202.9	141.9	120.3	113.1	116.7	114.9	114.9	122.1	122.1
52.5°	5597.6	1373.8	179.6	120.3	102.4	100.6	104.2	97.0	98.8	98.8	97.0
55°	5466.5	1287.6	159.8	104.2	88.0	89.8	88.0	75.4	68.2	61.1	59.3
57.5°	5401.8	1253.5	145.5	93.4	79.0	79.0	71.8	52.1	39.5	30.5	26.9
60°	5387.5	1212.2	131.1	80.8	70.0	66.4	52.1	30.5	19.8	14.4	12.6
62.5°	5251.0	1111.6	118.5	64.6	61.1	53.9	32.3	18.0	10.8	7.2	5.4
65°	4803.8	914.1	106.0	50.3	46.7	39.5	19.8	10.8	5.4	1.8	0.0
67.5°	3821.5	648.3	93.4	37.7	32.3	25.1	12.6	7.2	1.8	0.0	0.0
70°	2203.5	350.2	77.2	26.9	21.5	16.2	9.0	3.6	0.0	0.0	0.0
72.5°	736.3	163.4	59.3	18.0	16.2	12.6	5.4	1.8	0.0	0.0	0.0
75°	161.6	97.0	39.5	12.6	10.8	9.0	3.6	0.0	0.0	0.0	0.0
77.5°	61.1	68.2	19.8	9.0	7.2	5.4	1.8	0.0	0.0	0.0	0.0
80°	23.3	44.9	9.0	5.4	5.4	1.8	0.0	0.0	0.0	0.0	0.0
82.5°	12.6	18.0	5.4	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.2	9.0	3.6	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	1.8	1.8	1.8	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)