

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: P641819

Luminaire Tested: GWS-SA6B-760-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641819
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-SA6B-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17913.2 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

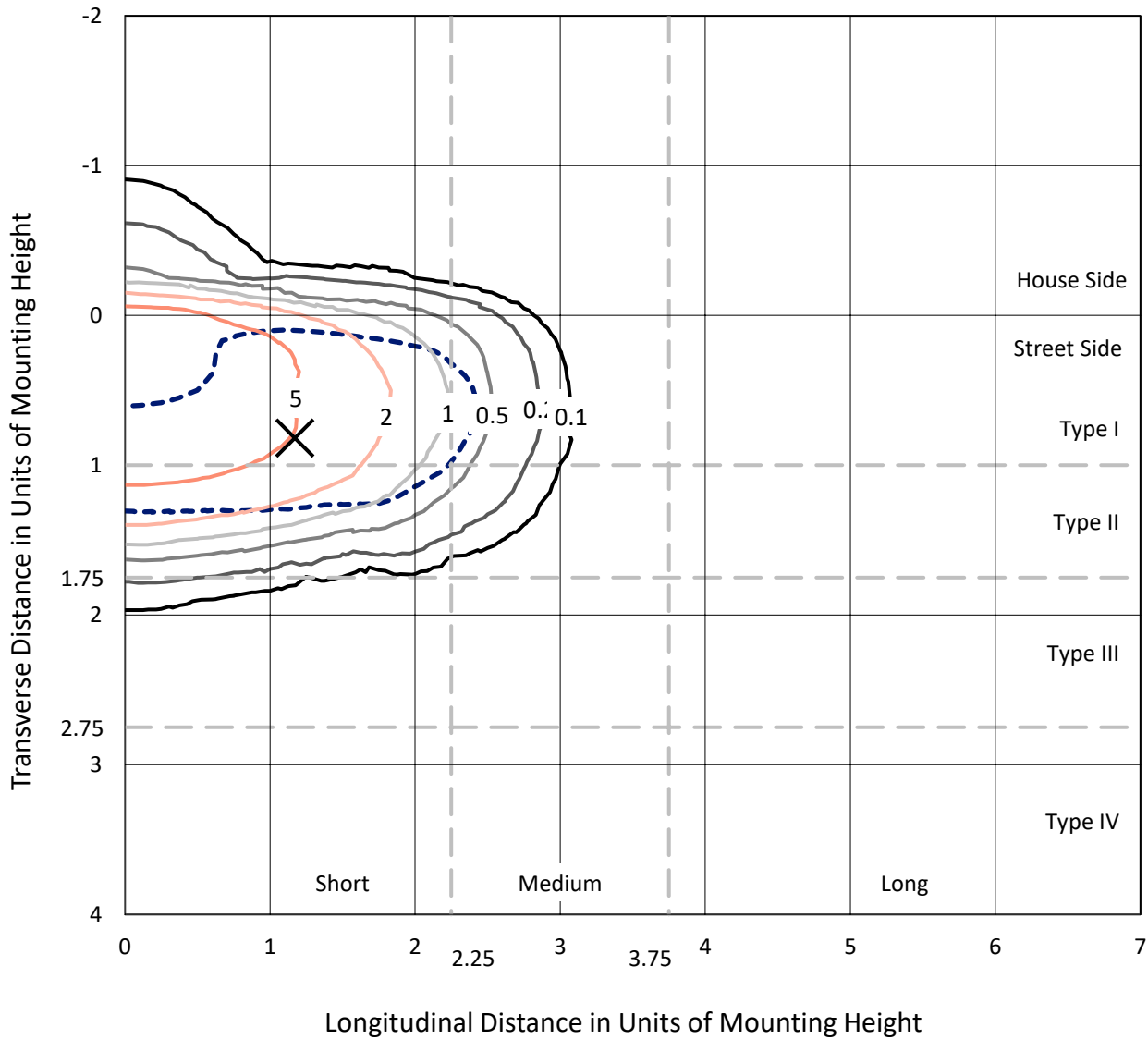
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641819
 CATALOG NUMBER: GWS-SA6B-760-U-AFL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

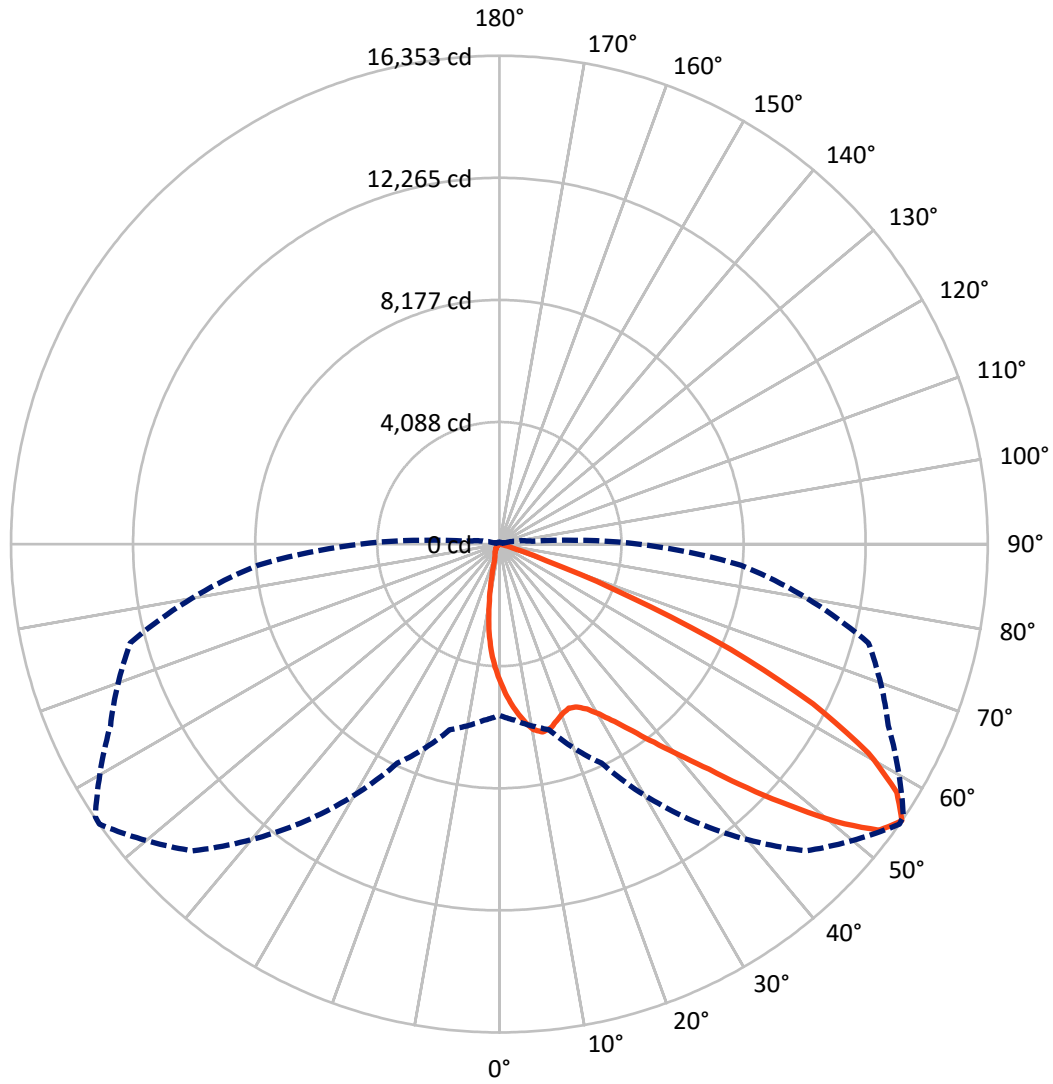
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type II - Short - N/A

REPORT NUMBER: P641819
CATALOG NUMBER: GWS-SA6B-760-U-AFL-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P641819
 CATALOG NUMBER: GWS-SA6B-760-U-AFL-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1105.3	0.0	1105.3
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	16807.9	0.0	16807.9
	% Fixture	93.8	0.0	93.8
Total	Lumens	17913.2	0.0	17913.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.0	2.3
10°-20°	986.0	5.5
20°-30°	1642.1	9.2
30°-40°	2798.2	15.6
40°-50°	4567.6	25.5
50°-60°	4782.1	26.7
60°-70°	2412.0	13.5
70°-80°	304.7	1.7
80°-90°	11.6	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°	17913.2	100.0
0°-180°	17913.2	100.0

Coefficient of Utilization

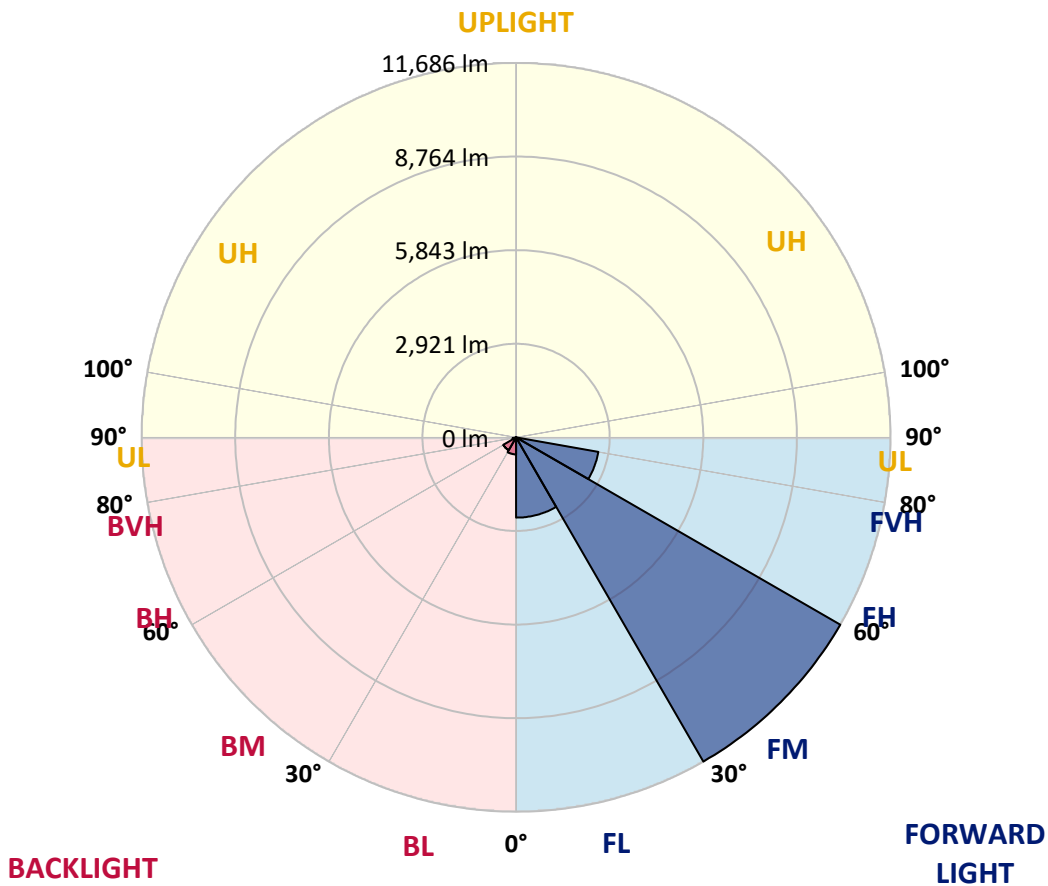


REPORT NUMBER: P641819
 CATALOG NUMBER: GWS-SA6B-760-U-AFL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2505.8	14.0			
FM (30°-60°)	11685.8	65.2			
FH (60°-80°)	2605.8	14.5			G2/5000
FVH (80°-90°)	10.5	0.1			G1/100
BL (0°-30°)	531.3	3.0	B2/1000		
BM (30°-60°)	462.1	2.6	B1/1000		
BH (60°-80°)	110.9	0.6	B1/500		G1/500
BVH (80°-90°)	1.0	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: P641819

CATALOG NUMBER: GWS-SA6B-760-U-AFL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	4627.7	4627.7	4627.7	4627.7	4627.7	4627.7	4627.7	4627.7	4627.7	4627.7	4627.7
2.5°	5394.9	5368.9	5408.7	5362.8	5284.7	5218.8	5133.1	5102.4	4964.6	4834.5	4708.9
5°	6050.3	6058.0	6045.7	5981.4	5871.2	5748.7	5575.6	5537.3	5296.9	5048.8	4780.9
7.5°	6212.7	6208.1	6234.1	6258.6	6240.2	6179.0	5990.6	5952.3	5653.7	5281.6	4891.1
10°	5711.9	5715.0	5768.6	5934.0	6139.2	6352.0	6322.9	6301.5	6009.0	5545.0	5013.6
12.5°	5004.4	5032.0	5088.7	5324.5	5672.1	6156.0	6456.1	6477.6	6335.2	5834.4	5157.6
15°	4698.2	4704.3	4750.2	4892.6	5151.4	5748.7	6399.5	6459.2	6607.7	6125.4	5313.8
17.5°	4690.5	4698.2	4718.1	4780.9	4949.3	5428.6	6217.3	6321.4	6812.9	6437.8	5500.6
20°	4978.4	4973.8	4960.0	4926.3	4999.8	5323.0	6048.8	6163.7	6924.7	6742.5	5688.9
22.5°	5500.6	5494.5	5433.2	5293.9	5234.1	5419.4	5966.1	6070.2	6992.1	7013.6	5843.6
25°	6102.4	6145.3	6030.4	5819.1	5672.1	5666.0	6039.6	6113.1	7050.3	7254.0	5949.3
27.5°	6762.4	6776.2	6678.2	6440.8	6228.0	6061.1	6252.5	6307.6	7114.6	7468.4	6009.0
30°	7486.7	7482.1	7370.4	7094.7	6835.9	6595.5	6610.8	6632.3	7264.7	7713.4	6074.8
32.5°	8391.8	8411.7	8212.6	7837.4	7526.6	7194.3	7079.4	7082.5	7535.7	8028.8	6174.4
35°	9621.4	9572.4	9309.0	8774.6	8244.8	7886.4	7690.4	7673.6	7953.8	8453.0	6347.4
37.5°	10792.9	10797.5	10521.9	9933.8	9264.6	8699.6	8422.4	8376.5	8541.8	9041.1	6635.3
40°	11606.1	11621.4	11506.5	11198.7	10489.7	9690.3	9283.0	9235.5	9304.4	9785.3	7012.0
42.5°	12036.4	12079.2	12111.4	12183.4	11645.9	10927.7	10301.4	10296.8	10224.8	10633.7	7448.5
45°	12053.2	12117.5	12313.5	12805.1	12866.4	12339.6	11658.1	11555.5	11278.3	11541.7	7839.0
47.5°	11387.1	11535.6	11952.1	12926.1	13569.2	13743.8	13068.5	13005.7	12227.8	12259.9	8131.4
50°	9834.3	9989.0	10756.2	12305.9	13746.9	14858.6	14616.7	14486.5	13021.0	12734.7	8272.3
52.5°	8241.7	8382.6	8903.2	10829.7	13010.3	15209.3	15921.4	15766.7	13733.1	12900.0	8214.1
55°	5734.9	5923.2	6431.6	8094.7	11313.6	14526.3	16353.2	16321.1	14368.6	12795.9	8123.8
57.5°	2811.5	2998.4	3505.2	4990.7	8381.0	12682.6	15693.2	15863.2	14748.4	12684.1	8050.3
60°	1174.5	1251.1	1425.7	2189.8	4689.0	9584.7	14203.2	14439.0	14515.6	12532.5	8042.6
62.5°	681.4	693.7	712.1	908.1	1823.8	5494.5	11782.2	12117.5	13292.1	12331.9	7921.6
65°	514.5	519.1	511.5	557.4	753.4	2084.2	8512.7	8969.1	11094.6	11547.9	7443.9
67.5°	422.7	422.7	402.7	411.9	473.2	781.0	4699.7	5336.7	8209.5	9491.3	6146.8
70°	336.9	344.6	335.4	323.1	338.4	431.8	1672.2	2073.4	4780.9	5604.7	3584.9
72.5°	255.7	255.7	271.0	261.9	251.1	271.0	583.4	655.4	1918.8	2336.8	1294.0
75°	197.5	203.7	214.4	205.2	189.9	160.8	280.2	297.1	578.8	543.6	289.4
77.5°	101.1	102.6	136.3	150.1	140.9	98.0	122.5	134.8	188.4	168.4	107.2
80°	61.3	64.3	76.6	117.9	93.4	52.1	50.5	53.6	88.8	76.6	44.4
82.5°	26.0	27.6	42.9	42.9	38.3	19.9	19.9	19.9	42.9	39.8	18.4
85°	0.0	0.0	7.7	6.1	6.1	7.7	7.7	7.7	10.7	15.3	9.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	4.6	4.6
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: P641819
 CATALOG NUMBER: GWS-SA6B-760-U-AFL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4627.7	4627.7	4627.7	4627.7	4627.7	4627.7	4627.7	4627.7	4627.7	4627.7	4627.7
2.5°	4627.7	4529.7	4398.0	4278.6	4117.8	4027.4	3901.9	3799.3	3712.0	3684.4	3672.2
5°	4629.3	4460.8	4179.0	3897.3	3551.2	3278.6	2998.4	2776.3	2594.1	2535.9	2520.6
7.5°	4659.9	4411.8	3955.5	3444.0	2865.1	2387.4	1960.1	1577.3	1399.6	1339.9	1327.7
10°	4701.2	4370.5	3696.7	2900.4	2068.8	1454.8	1030.6	785.6	669.2	604.9	614.1
12.5°	4754.8	4336.8	3410.3	2312.3	1369.0	799.4	566.6	474.7	450.2	438.0	431.8
15°	4826.8	4297.0	3055.0	1728.9	839.2	514.5	436.4	411.9	402.7	396.6	395.1
17.5°	4900.3	4251.0	2693.6	1215.9	557.4	427.2	392.0	379.8	373.6	369.1	367.5
20°	4978.4	4172.9	2269.5	837.6	439.5	384.4	361.4	347.6	340.0	332.3	330.8
22.5°	5012.1	4047.3	1863.6	586.5	390.5	353.7	324.6	307.8	298.6	292.5	292.5
25°	4979.9	3843.7	1444.1	445.6	355.3	320.1	291.0	272.6	264.9	258.8	258.8
27.5°	4894.2	3581.8	1053.6	369.1	317.0	284.8	257.3	240.4	234.3	231.2	231.2
30°	4799.2	3251.0	742.7	317.0	274.1	248.1	225.1	214.4	212.9	209.8	209.8
32.5°	4718.1	2941.7	511.5	278.7	242.0	215.9	200.6	196.0	197.5	194.5	196.0
35°	4673.7	2638.5	379.8	248.1	215.9	191.4	183.8	183.8	183.8	182.2	182.2
37.5°	4692.0	2339.9	309.3	226.6	192.9	174.6	166.9	170.0	173.0	173.0	173.0
40°	4783.9	2075.0	274.1	206.7	173.0	159.3	153.1	157.7	162.3	165.4	165.4
42.5°	4900.3	1860.6	248.1	189.9	159.3	143.9	140.9	145.5	150.1	153.1	153.1
45°	4973.8	1644.7	222.0	168.4	145.5	127.1	127.1	133.2	131.7	133.2	133.2
47.5°	5007.5	1473.2	196.0	145.5	124.0	110.3	111.8	114.9	111.8	114.9	114.9
50°	4924.8	1300.1	173.0	121.0	102.6	96.5	99.5	98.0	98.0	104.1	104.1
52.5°	4773.2	1171.5	153.1	102.6	87.3	85.8	88.8	82.7	84.2	84.2	82.7
55°	4661.4	1098.0	136.3	88.8	75.0	76.6	75.0	64.3	58.2	52.1	50.5
57.5°	4606.3	1068.9	124.0	79.6	67.4	67.4	61.3	44.4	33.7	26.0	23.0
60°	4594.0	1033.7	111.8	68.9	59.7	56.7	44.4	26.0	16.8	12.3	10.7
62.5°	4477.6	947.9	101.1	55.1	52.1	45.9	27.6	15.3	9.2	6.1	4.6
65°	4096.3	779.5	90.3	42.9	39.8	33.7	16.8	9.2	4.6	1.5	0.0
67.5°	3258.7	552.8	79.6	32.2	27.6	21.4	10.7	6.1	1.5	0.0	0.0
70°	1879.0	298.6	65.8	23.0	18.4	13.8	7.7	3.1	0.0	0.0	0.0
72.5°	627.9	139.4	50.5	15.3	13.8	10.7	4.6	1.5	0.0	0.0	0.0
75°	137.8	82.7	33.7	10.7	9.2	7.7	3.1	0.0	0.0	0.0	0.0
77.5°	52.1	58.2	16.8	7.7	6.1	4.6	1.5	0.0	0.0	0.0	0.0
80°	19.9	38.3	7.7	4.6	4.6	1.5	0.0	0.0	0.0	0.0	0.0
82.5°	10.7	15.3	4.6	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.1	7.7	3.1	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	1.5	1.5	1.5	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)