

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: P635769

Luminaire Tested: GWS-SA3E-740-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635769
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-SA3E-740-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18442 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

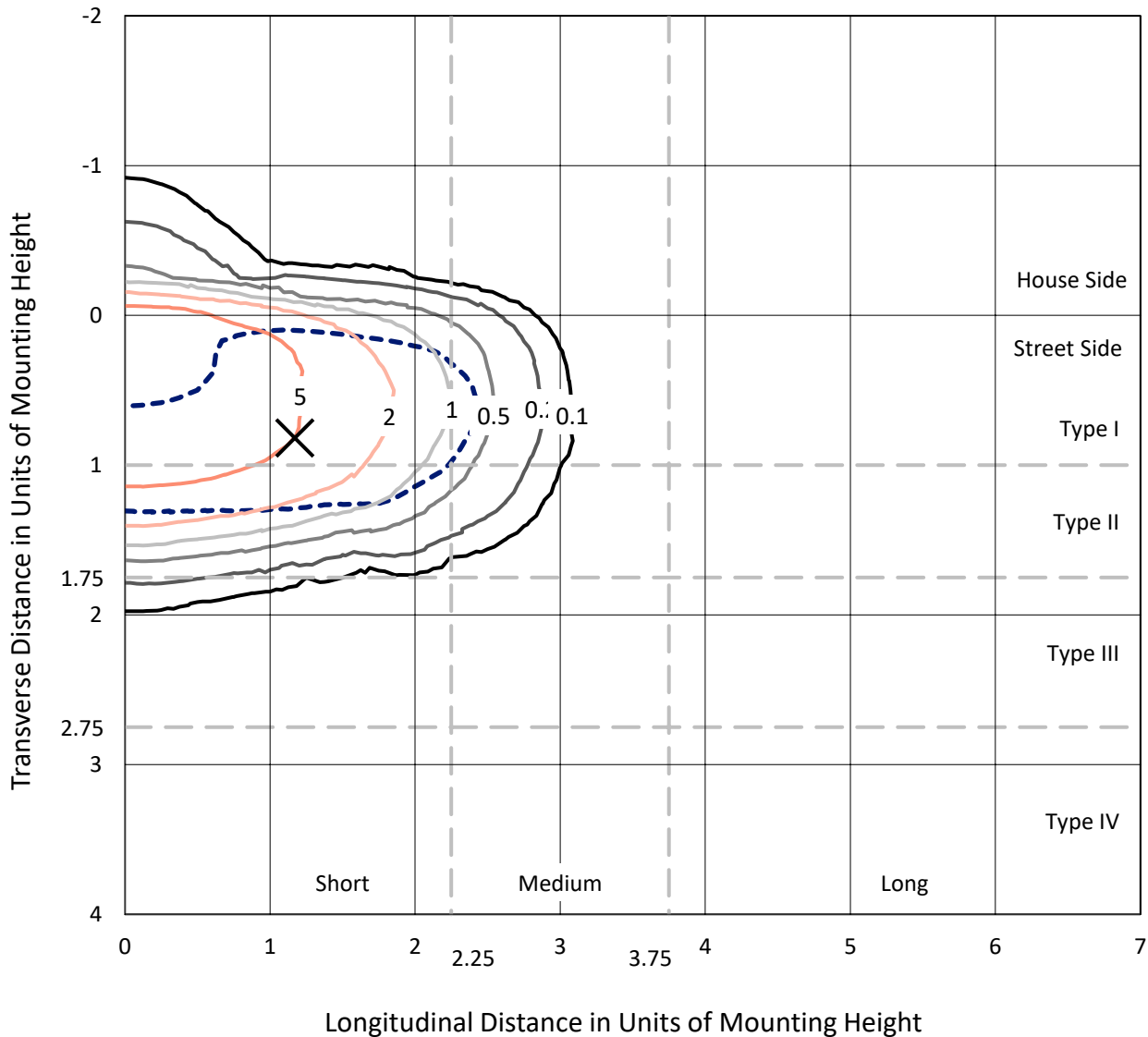
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635769
 CATALOG NUMBER: GWS-SA3E-740-U-AFL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

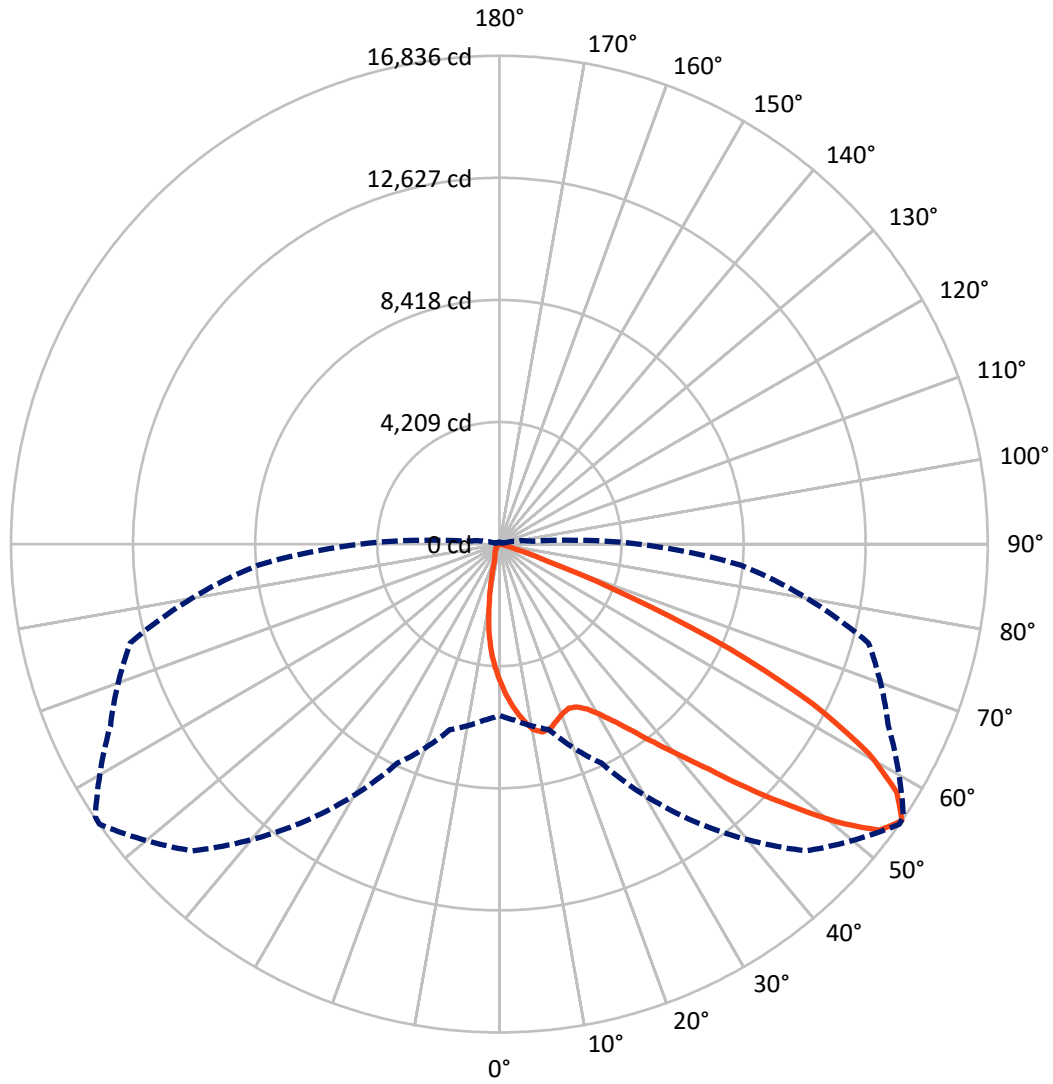
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type II - Short - N/A

REPORT NUMBER: P635769
CATALOG NUMBER: GWS-SA3E-740-U-AFL-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635769
 CATALOG NUMBER: GWS-SA3E-740-U-AFL-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1138.0	0.0	1138.0
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	17304.1	0.0	17304.1
	% Fixture	93.8	0.0	93.8
Total	Lumens	18442.0	0.0	18442.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.0	2.3
10°-20°	1015.1	5.5
20°-30°	1690.6	9.2
30°-40°	2880.8	15.6
40°-50°	4702.5	25.5
50°-60°	4923.3	26.7
60°-70°	2483.2	13.5
70°-80°	313.7	1.7
80°-90°	11.9	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°	18442.0	100.0
0°-180°	18442.0	100.0

Coefficient of Utilization



REPORT NUMBER: P635769

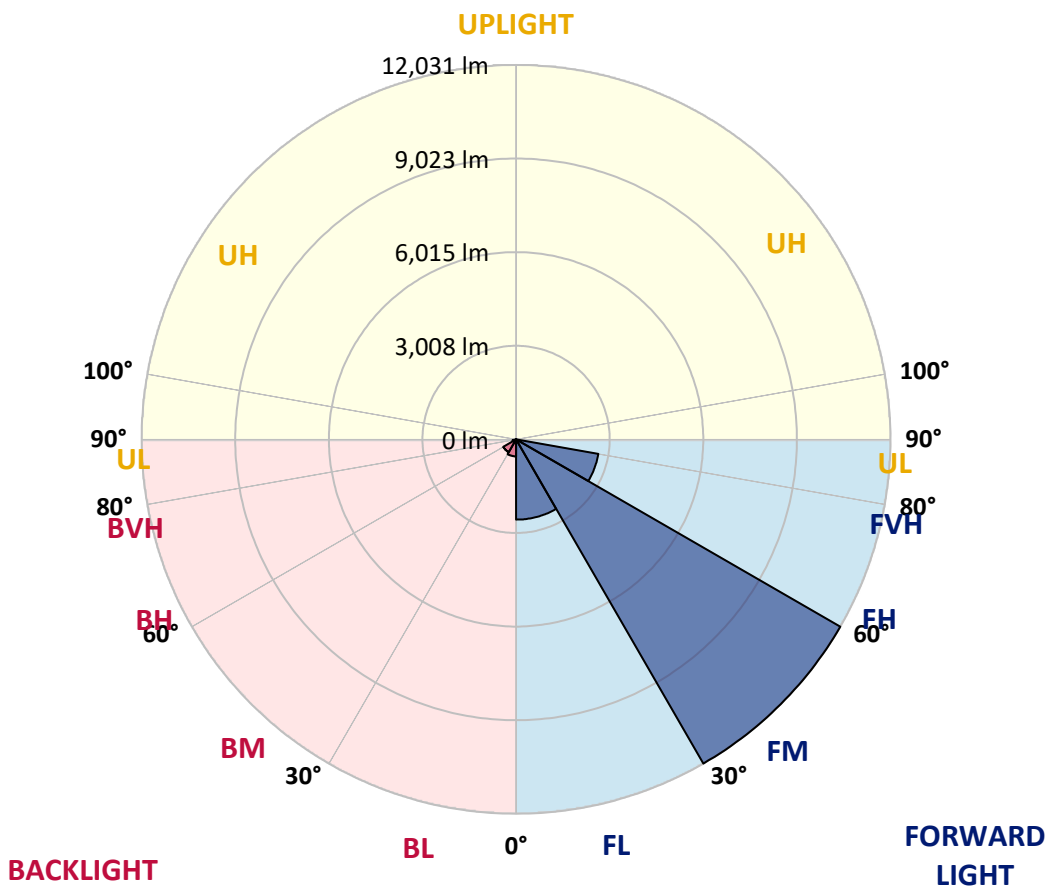
CATALOG NUMBER: GWS-SA3E-740-U-AFL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2579.8	14.0			
FM (30°-60°)	12030.7	65.2			
FH (60°-80°)	2682.7	14.5			G2/5000
FVH (80°-90°)	10.8	0.1			G1/100
BL (0°-30°)	546.9	3.0	B2/1000		
BM (30°-60°)	475.8	2.6	B1/1000		
BH (60°-80°)	114.1	0.6	B1/500		G1/500
BVH (80°-90°)	1.1	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: P635769

CATALOG NUMBER: GWS-SA3E-740-U-AFL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	4764.3	4764.3	4764.3	4764.3	4764.3	4764.3	4764.3	4764.3	4764.3	4764.3	4764.3
2.5°	5554.2	5527.4	5568.4	5521.1	5440.7	5372.9	5284.6	5253.1	5111.2	4977.2	4847.9
5°	6228.9	6236.8	6224.2	6158.0	6044.5	5918.4	5740.2	5700.8	5453.3	5197.9	4922.0
7.5°	6396.1	6391.3	6418.1	6443.4	6424.4	6361.4	6167.5	6128.0	5820.6	5437.5	5035.5
10°	5880.5	5883.7	5938.9	6109.1	6320.4	6539.5	6509.6	6487.5	6186.4	5708.7	5161.6
12.5°	5152.2	5180.5	5238.9	5481.7	5839.5	6337.7	6646.7	6668.8	6522.2	6006.7	5309.8
15°	4836.9	4843.2	4890.5	5037.1	5303.5	5918.4	6588.4	6649.9	6802.8	6306.2	5470.6
17.5°	4829.0	4836.9	4857.3	4922.0	5095.4	5588.9	6400.8	6508.0	7014.1	6627.8	5663.0
20°	5125.4	5120.6	5106.4	5071.8	5147.4	5480.1	6227.4	6345.6	7129.2	6941.5	5856.9
22.5°	5663.0	5656.7	5593.6	5450.1	5388.6	5579.4	6142.2	6249.4	7198.5	7220.6	6016.1
25°	6282.5	6326.7	6208.5	5990.9	5839.5	5833.2	6217.9	6293.6	7258.4	7468.1	6124.9
27.5°	6962.0	6976.2	6875.3	6631.0	6411.8	6240.0	6437.1	6493.8	7324.6	7688.8	6186.4
30°	7707.8	7703.0	7587.9	7304.2	7037.7	6790.2	6806.0	6828.0	7479.2	7941.1	6254.2
32.5°	8639.5	8660.0	8455.0	8068.8	7748.7	7406.6	7288.4	7291.5	7758.2	8265.8	6356.6
35°	9905.5	9855.0	9583.8	9033.6	8488.1	8119.2	7917.4	7900.1	8188.6	8702.6	6534.8
37.5°	11111.5	11116.3	10832.5	10227.1	9538.1	8956.4	8671.0	8623.7	8794.0	9307.9	6831.2
40°	11948.7	11964.4	11846.2	11529.3	10799.4	9976.4	9557.0	9508.2	9579.1	10074.2	7219.0
42.5°	12391.7	12435.8	12468.9	12543.0	11989.7	11250.3	10605.4	10600.7	10526.6	10947.6	7668.3
45°	12409.0	12475.2	12677.0	13183.1	13246.2	12703.8	12002.3	11896.6	11611.3	11882.5	8070.4
47.5°	11723.2	11876.1	12305.0	13307.7	13969.8	14149.5	13454.3	13389.6	12588.7	12621.9	8371.5
50°	10124.6	10283.8	11073.7	12669.2	14152.7	15297.3	15048.2	14914.2	13405.4	13110.6	8516.5
52.5°	8485.0	8630.0	9166.1	11149.4	13394.4	15658.3	16391.4	16232.2	14138.5	13280.9	8456.6
55°	5904.2	6098.1	6621.5	8333.6	11647.5	14955.1	16836.0	16802.9	14792.8	13173.6	8363.6
57.5°	2894.5	3086.9	3608.7	5138.0	8628.5	13057.0	16156.5	16331.5	15183.7	13058.6	8287.9
60°	1209.2	1288.0	1467.8	2254.5	4827.4	9867.6	14622.5	14865.3	14944.1	12902.5	8280.0
62.5°	701.6	714.2	733.1	934.9	1877.7	5656.7	12130.0	12475.2	13684.4	12696.0	8155.5
65°	529.7	534.5	526.6	573.9	775.7	2145.7	8764.0	9233.9	11422.1	11888.8	7663.6
67.5°	435.1	435.1	414.6	424.1	487.2	804.0	4838.4	5494.3	8451.9	9771.5	6328.3
70°	346.8	354.7	345.3	332.7	348.4	444.6	1721.6	2134.6	4922.0	5770.2	3690.7
72.5°	263.3	263.3	279.0	269.6	258.6	279.0	600.7	674.8	1975.4	2405.8	1332.2
75°	203.4	209.7	220.7	211.3	195.5	165.5	288.5	305.9	595.9	559.7	298.0
77.5°	104.1	105.6	140.3	154.5	145.0	100.9	126.1	138.7	193.9	173.4	110.4
80°	63.1	66.2	78.8	121.4	96.2	53.6	52.0	55.2	91.4	78.8	45.7
82.5°	26.8	28.4	44.1	44.1	39.4	20.5	20.5	20.5	44.1	41.0	18.9
85°	0.0	0.0	7.9	6.3	6.3	7.9	7.9	7.9	11.0	15.8	9.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.7	4.7
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: P635769
 CATALOG NUMBER: GWS-SA3E-740-U-AFL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4764.3	4764.3	4764.3	4764.3	4764.3	4764.3	4764.3	4764.3	4764.3	4764.3	4764.3
2.5°	4764.3	4663.4	4527.9	4404.9	4239.3	4146.3	4017.0	3911.4	3821.6	3793.2	3780.6
5°	4765.9	4592.5	4302.4	4012.3	3656.0	3375.4	3086.9	2858.3	2670.7	2610.8	2595.0
7.5°	4797.4	4542.0	4072.2	3545.7	2949.7	2457.8	2018.0	1623.8	1441.0	1379.5	1366.9
10°	4840.0	4499.5	3805.8	2986.0	2129.9	1497.7	1061.0	808.8	689.0	622.7	632.2
12.5°	4895.2	4464.8	3511.0	2380.6	1409.4	823.0	583.3	488.7	463.5	450.9	444.6
15°	4969.3	4423.8	3145.2	1779.9	863.9	529.7	449.3	424.1	414.6	408.3	406.7
17.5°	5045.0	4376.5	2773.2	1251.8	573.9	439.9	403.6	391.0	384.7	379.9	378.4
20°	5125.4	4296.1	2336.4	862.4	452.5	395.7	372.1	357.9	350.0	342.1	340.5
22.5°	5160.0	4166.8	1918.7	603.8	402.0	364.2	334.2	316.9	307.4	301.1	301.1
25°	5126.9	3957.1	1486.7	458.8	365.8	329.5	299.5	280.6	272.7	266.4	266.4
27.5°	5038.7	3687.5	1084.7	379.9	326.3	293.2	264.9	247.5	241.2	238.1	238.1
30°	4940.9	3347.0	764.6	326.3	282.2	255.4	231.8	220.7	219.1	216.0	216.0
32.5°	4857.3	3028.6	526.6	286.9	249.1	222.3	206.5	201.8	203.4	200.2	201.8
35°	4811.6	2716.4	391.0	255.4	222.3	197.1	189.2	189.2	189.2	187.6	187.6
37.5°	4830.5	2409.0	318.5	233.3	198.6	179.7	171.8	175.0	178.2	178.2	178.2
40°	4925.1	2136.2	282.2	212.8	178.2	164.0	157.7	162.4	167.1	170.3	170.3
42.5°	5045.0	1915.5	255.4	195.5	164.0	148.2	145.0	149.8	154.5	157.7	157.7
45°	5120.6	1693.2	228.6	173.4	149.8	130.9	130.9	137.2	135.6	137.2	137.2
47.5°	5155.3	1516.6	201.8	149.8	127.7	113.5	115.1	118.2	115.1	118.2	118.2
50°	5070.2	1338.5	178.2	124.5	105.6	99.3	102.5	100.9	100.9	107.2	107.2
52.5°	4914.1	1206.1	157.7	105.6	89.9	88.3	91.4	85.1	86.7	86.7	85.1
55°	4799.0	1130.4	140.3	91.4	77.3	78.8	77.3	66.2	59.9	53.6	52.0
57.5°	4742.3	1100.4	127.7	82.0	69.4	69.4	63.1	45.7	34.7	26.8	23.6
60°	4729.6	1064.2	115.1	70.9	61.5	58.3	45.7	26.8	17.3	12.6	11.0
62.5°	4609.8	975.9	104.1	56.8	53.6	47.3	28.4	15.8	9.5	6.3	4.7
65°	4217.3	802.5	93.0	44.1	41.0	34.7	17.3	9.5	4.7	1.6	0.0
67.5°	3354.9	569.1	82.0	33.1	28.4	22.1	11.0	6.3	1.6	0.0	0.0
70°	1934.4	307.4	67.8	23.6	18.9	14.2	7.9	3.2	0.0	0.0	0.0
72.5°	646.4	143.5	52.0	15.8	14.2	11.0	4.7	1.6	0.0	0.0	0.0
75°	141.9	85.1	34.7	11.0	9.5	7.9	3.2	0.0	0.0	0.0	0.0
77.5°	53.6	59.9	17.3	7.9	6.3	4.7	1.6	0.0	0.0	0.0	0.0
80°	20.5	39.4	7.9	4.7	4.7	1.6	0.0	0.0	0.0	0.0	0.0
82.5°	11.0	15.8	4.7	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.3	7.9	3.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.2	1.6	1.6	1.6	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)