

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: P636074

Luminaire Tested: GWS-SA3F-722-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-722-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14524.9 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

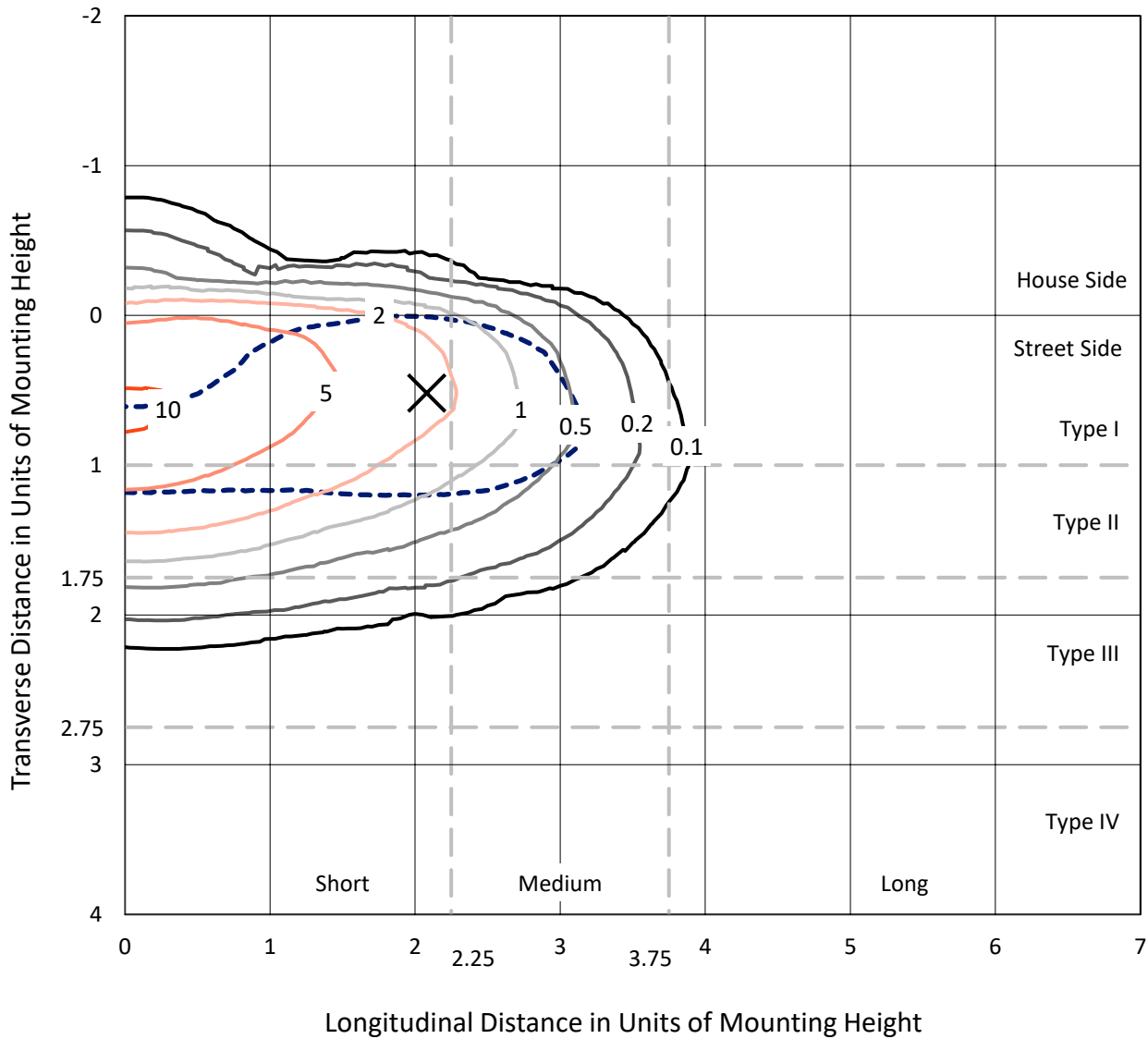
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

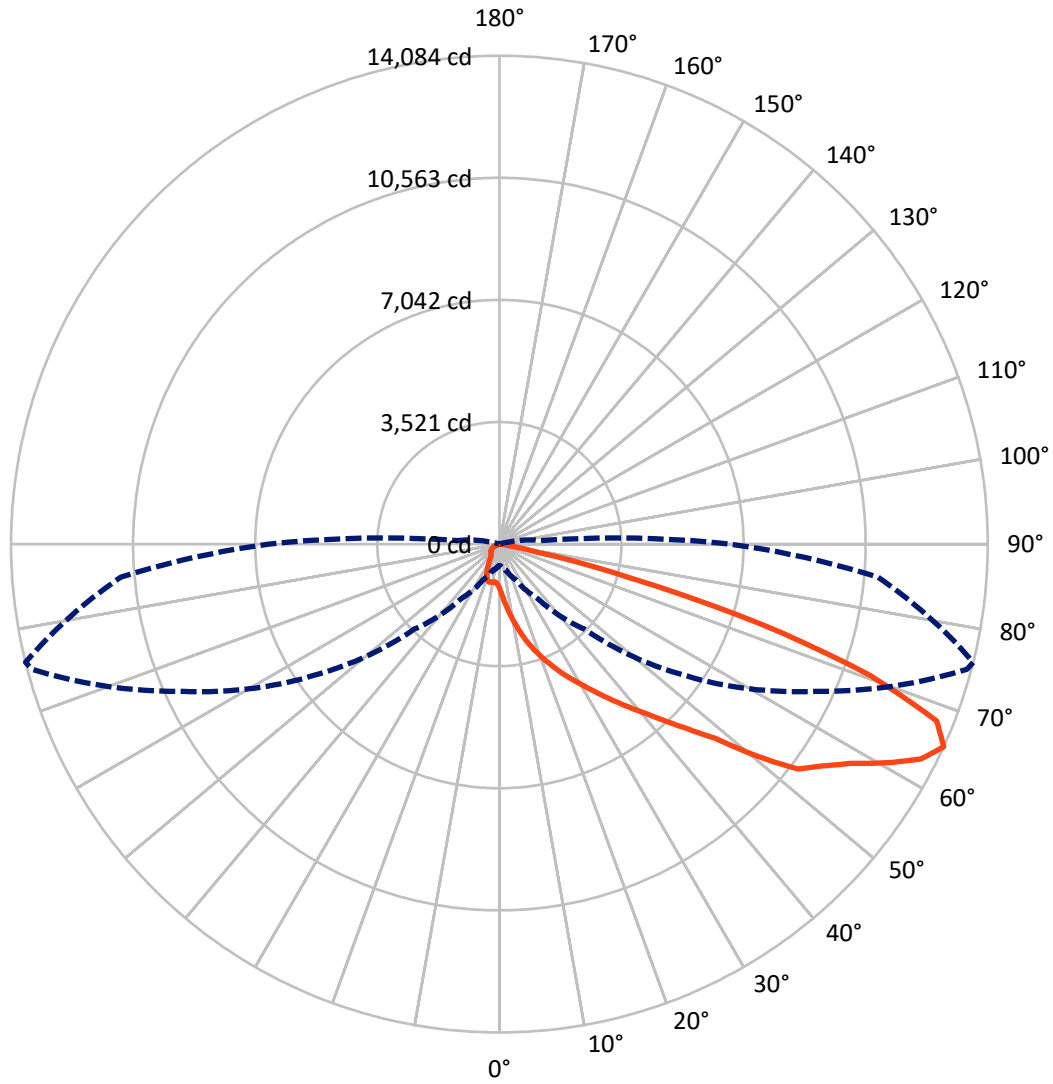
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	803.1	0.0	803.1
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	13721.8	0.0	13721.8
	% Fixture	94.5	0.0	94.5
Total	Lumens	14524.9	0.0	14524.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.4	1.1
10°-20°	593.6	4.1
20°-30°	1211.1	8.3
30°-40°	2154.0	14.8
40°-50°	3184.1	21.9
50°-60°	3645.5	25.1
60°-70°	2781.4	19.1
70°-80°	779.1	5.4
80°-90°	19.6	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°	14524.9	100.0
0°-180°	14524.9	100.0

Coefficient of Utilization



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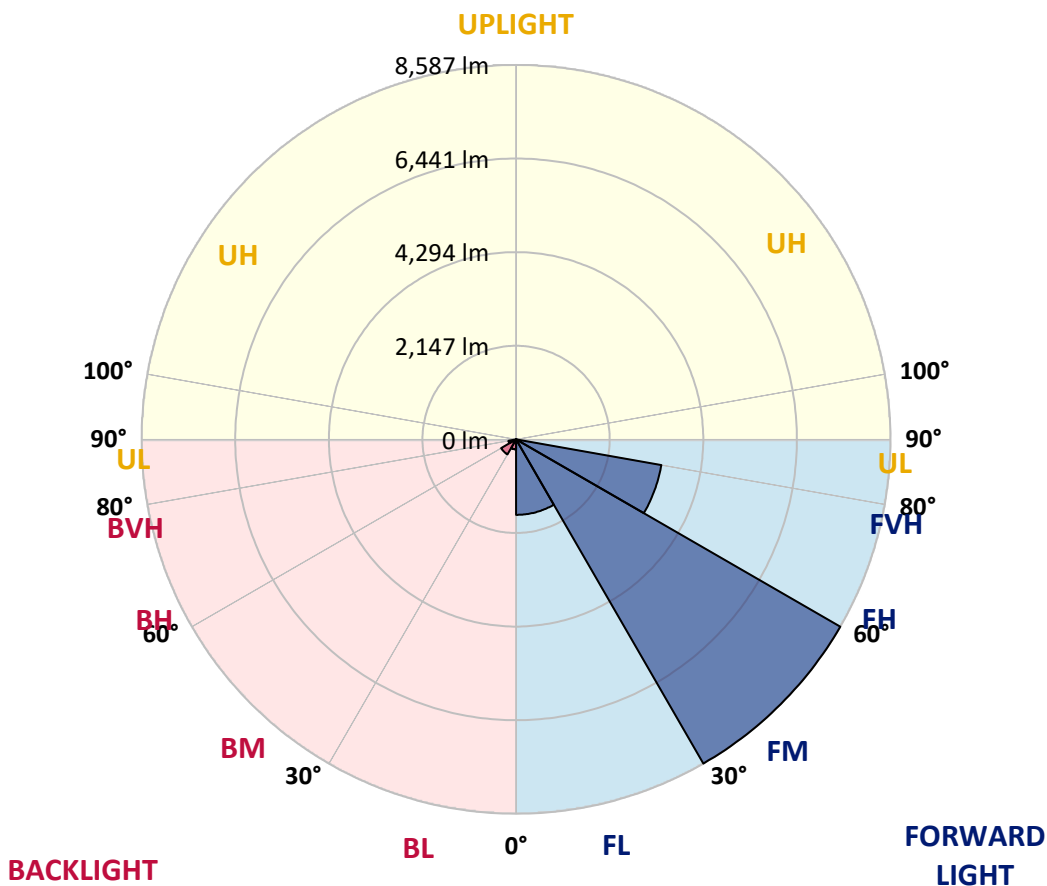
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1732.0	11.9			
FM (30°-60°)	8587.3	59.1			
FH (60°-80°)	3383.9	23.3			G2/5000
FVH (80°-90°)	18.5	0.1			G1/100
BL (0°-30°)	229.2	1.6	B1/500		
BM (30°-60°)	396.3	2.7	B1/1000		
BH (60°-80°)	176.6	1.2	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: B1-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1286.0	1286.0	1286.0	1286.0	1286.0	1286.0	1286.0	1286.0	1286.0	1286.0	1286.0
2.5°	1981.9	2011.6	1988.4	1949.6	1874.7	1802.4	1709.5	1581.7	1479.7	1466.7	1371.2
5°	2676.5	2674.0	2623.6	2573.3	2494.5	2370.5	2183.3	1945.8	1717.2	1697.9	1483.5
7.5°	3089.7	3093.6	3065.2	3026.5	2949.0	2821.2	2626.2	2339.6	2005.2	1966.4	1637.2
10°	3437.0	3435.7	3415.1	3397.0	3327.3	3242.1	3032.9	2717.9	2315.0	2254.3	1808.9
12.5°	3697.8	3706.9	3717.2	3735.3	3705.6	3621.7	3424.1	3080.7	2628.8	2561.6	2005.2
15°	3904.4	3907.0	3945.7	4015.5	4040.0	3996.1	3816.6	3431.9	2938.7	2880.6	2231.1
17.5°	3966.4	3971.6	4037.4	4165.2	4294.4	4318.9	4183.3	3785.6	3243.4	3181.4	2450.6
20°	4096.8	4108.4	4157.5	4269.8	4432.5	4564.2	4511.3	4143.3	3548.1	3466.7	2675.3
22.5°	4507.4	4513.9	4497.1	4511.3	4595.2	4747.6	4779.8	4489.3	3860.5	3774.0	2918.0
25°	5213.7	5216.2	5098.7	4987.7	4924.4	4952.8	5023.9	4808.2	4170.4	4085.2	3143.9
27.5°	5947.0	5956.1	5815.3	5626.8	5400.9	5271.8	5251.1	5100.0	4482.9	4388.6	3367.3
30°	6637.8	6637.8	6489.3	6259.5	5957.4	5705.6	5557.1	5394.4	4817.3	4714.0	3595.8
32.5°	7258.8	7253.7	7063.9	6814.7	6516.4	6240.1	5927.7	5701.7	5189.1	5074.2	3859.2
35°	7771.4	7758.5	7542.9	7304.0	6985.1	6779.8	6431.2	6032.2	5592.0	5477.0	4130.4
37.5°	8158.8	8144.6	7947.0	7694.0	7398.3	7265.3	6973.5	6428.6	6016.7	5912.2	4431.2
40°	8369.2	8340.8	8204.0	8015.4	7767.5	7651.3	7530.0	6920.6	6516.4	6386.0	4786.3
42.5°	8431.2	8397.6	8307.2	8219.4	8069.7	7978.0	8108.4	7475.7	7065.2	6952.8	5191.7
45°	8247.9	8228.5	8220.7	8284.0	8311.1	8336.9	8658.4	8090.3	7670.7	7585.5	5701.7
47.5°	7806.3	7801.1	7869.5	8132.9	8419.6	8692.0	9256.2	8848.2	8455.7	8364.1	6414.4
50°	6990.3	7043.2	7234.3	7696.5	8269.8	8893.4	9815.3	9899.2	9726.2	9591.9	7344.0
52.5°	5714.6	5816.6	6245.3	6947.7	7771.4	8836.6	10073.5	10741.1	10917.9	10778.5	8010.3
55°	4484.2	4579.7	4961.9	5852.8	6951.5	8404.1	10085.2	11031.6	11417.6	11288.5	8460.9
57.5°	3340.2	3428.0	3775.3	4627.5	5836.0	7553.2	9808.9	11193.0	12010.3	11927.6	9172.3
60°	2183.3	2269.8	2583.6	3328.6	4526.8	6313.7	9128.4	11159.4	12817.2	12809.5	10046.4
62.5°	1211.1	1279.5	1506.8	2087.8	3159.4	4889.6	8059.3	10822.4	13598.4	13647.4	10766.9
65°	619.8	663.7	801.8	1147.8	1912.2	3466.7	6653.3	10050.3	13959.9	14083.8	10956.7
67.5°	405.4	419.6	453.2	596.5	1023.9	2180.7	5007.1	8812.1	13451.2	13595.8	10320.1
70°	329.2	340.9	360.2	397.7	528.1	1158.2	3288.6	7038.0	11239.4	11337.6	8218.2
72.5°	241.4	256.9	294.4	318.9	380.9	635.2	1710.8	4619.7	7718.5	7891.5	5164.6
75°	178.2	187.2	218.2	251.8	311.2	401.5	654.6	2428.6	3985.8	3885.1	2169.1
77.5°	107.2	113.6	139.4	161.4	222.1	250.5	228.5	897.3	1212.4	1140.1	524.2
80°	52.9	59.4	91.7	121.4	142.0	100.7	95.5	250.5	269.8	269.8	131.7
82.5°	18.1	23.2	49.1	80.1	69.7	38.7	45.2	64.6	72.3	76.2	38.7
85°	0.0	0.0	11.6	23.2	10.3	5.2	11.6	14.2	18.1	19.4	12.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.9	5.2	5.2
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°	1286.0	1286.0	1286.0	1286.0	1286.0	1286.0	1286.0	1286.0	1286.0	1286.0	1286.0
2.5°	1319.6	1258.9	1167.2	1084.6	1021.3	961.9	916.7	880.6	874.1	853.4	856.0
5°	1378.9	1269.2	1100.1	969.7	878.0	816.0	764.4	725.6	708.8	692.1	679.1
7.5°	1470.6	1311.8	1074.2	915.4	808.3	712.7	632.7	568.1	537.1	517.8	504.8
10°	1582.9	1371.2	1075.5	883.1	724.3	578.4	468.7	397.7	364.1	353.8	352.5
12.5°	1717.2	1446.1	1085.9	830.2	603.0	430.0	347.3	315.0	304.7	295.7	295.7
15°	1859.3	1530.0	1085.9	733.4	459.6	335.7	300.8	280.2	267.3	262.1	259.5
17.5°	2009.0	1608.8	1060.0	600.4	352.5	295.7	267.3	247.9	237.6	229.8	227.2
20°	2169.1	1683.7	995.5	459.6	302.1	264.7	237.6	218.2	207.9	200.1	200.1
22.5°	2331.8	1753.4	890.9	353.8	267.3	235.0	209.2	191.1	180.8	173.0	173.0
25°	2482.9	1799.9	756.6	291.8	241.4	209.2	185.9	167.8	156.2	151.1	148.5
27.5°	2623.6	1829.6	608.1	256.9	216.9	187.2	162.7	145.9	136.9	133.0	130.4
30°	2769.5	1837.3	464.8	233.7	196.3	165.3	142.0	129.1	121.4	116.2	116.2
32.5°	2911.5	1828.3	355.1	214.3	178.2	145.9	126.5	114.9	108.5	104.6	103.3
35°	3056.1	1786.9	287.9	197.5	160.1	127.8	112.3	103.3	99.4	94.3	94.3
37.5°	3213.7	1731.4	250.5	180.8	142.0	114.9	100.7	94.3	89.1	85.2	83.9
40°	3409.9	1666.9	229.8	166.6	125.2	103.3	90.4	83.9	80.1	76.2	74.9
42.5°	3642.3	1603.6	219.5	151.1	112.3	91.7	81.3	73.6	69.7	64.6	63.3
45°	3971.6	1589.4	207.9	134.3	100.7	82.6	71.0	63.3	58.1	54.2	52.9
47.5°	4500.9	1629.4	188.5	116.2	89.1	72.3	60.7	54.2	47.8	43.9	41.3
50°	5026.4	1619.1	169.1	100.7	78.8	62.0	51.6	45.2	38.7	34.9	33.6
52.5°	5313.1	1570.0	151.1	89.1	68.4	52.9	43.9	36.2	32.3	28.4	27.1
55°	5572.6	1550.7	133.0	77.5	58.1	46.5	36.2	29.7	27.1	23.2	21.9
57.5°	6081.3	1595.9	117.5	67.1	50.4	40.0	31.0	24.5	21.9	18.1	16.8
60°	6613.3	1601.0	100.7	58.1	43.9	33.6	24.5	19.4	16.8	12.9	11.6
62.5°	6890.9	1470.6	82.6	49.1	36.2	28.4	20.7	15.5	12.9	7.7	7.7
65°	6658.5	1189.1	69.7	40.0	28.4	21.9	15.5	11.6	7.7	3.9	1.3
67.5°	5892.8	845.7	58.1	32.3	20.7	15.5	11.6	7.7	1.3	0.0	0.0
70°	4315.0	482.9	45.2	23.2	15.5	10.3	7.7	3.9	0.0	0.0	0.0
72.5°	2652.0	258.2	33.6	15.5	11.6	7.7	6.5	2.6	0.0	0.0	0.0
75°	1005.8	124.0	20.7	10.3	9.0	6.5	3.9	1.3	0.0	0.0	0.0
77.5°	272.4	60.7	11.6	7.7	6.5	3.9	2.6	0.0	0.0	0.0	0.0
80°	71.0	28.4	7.7	5.2	3.9	2.6	0.0	0.0	0.0	0.0	0.0
82.5°	24.5	12.9	3.9	3.9	2.6	1.3	0.0	0.0	0.0	0.0	0.0
85°	10.3	5.2	2.6	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.9	1.3	1.3	1.3	1.3	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)