

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: P634369

Luminaire Tested: GWS-SA3B-750-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634369
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-SA3B-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8580.8 lumens
Efficiency: N/A
Efficacy: 125.6 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

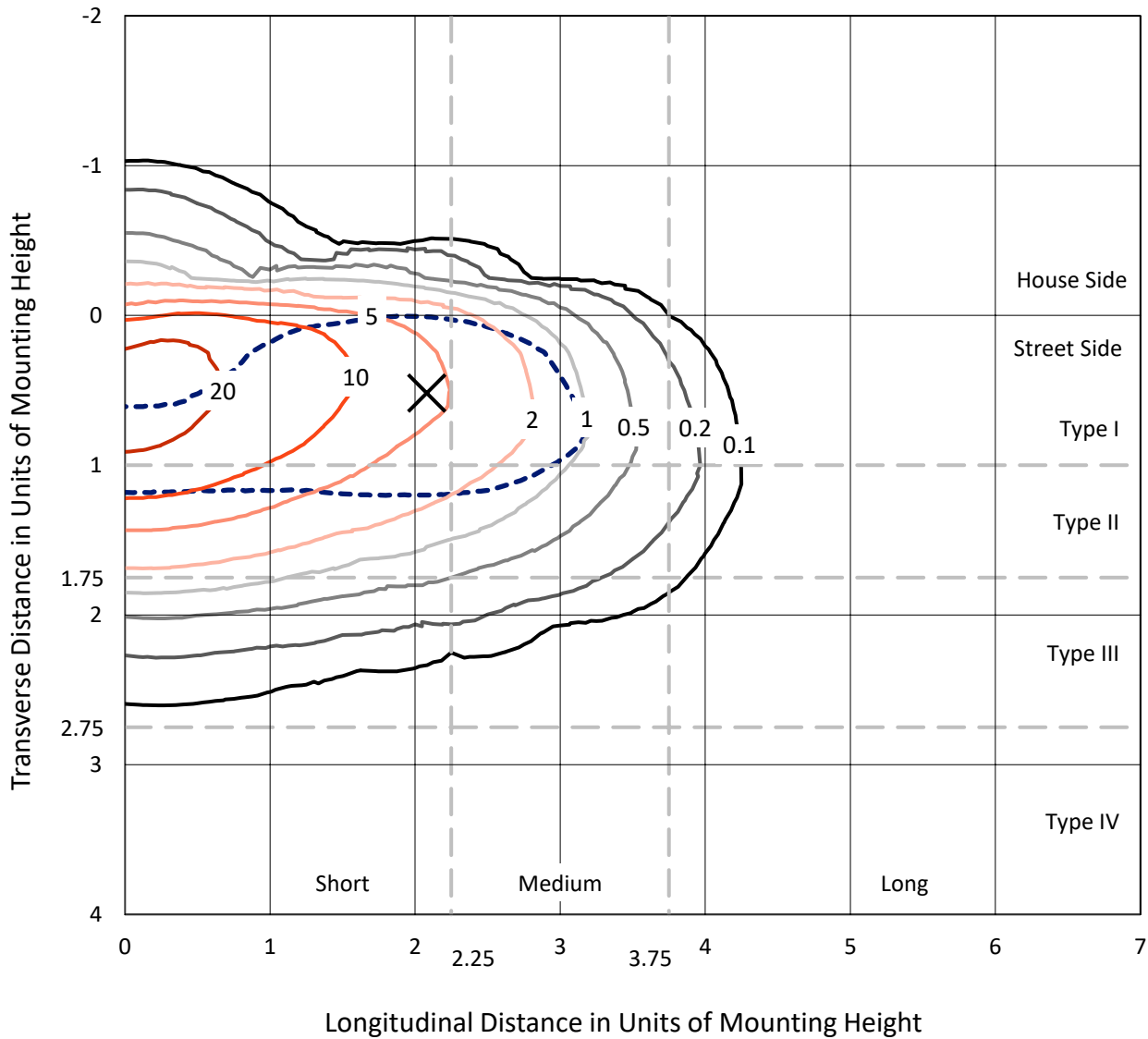
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

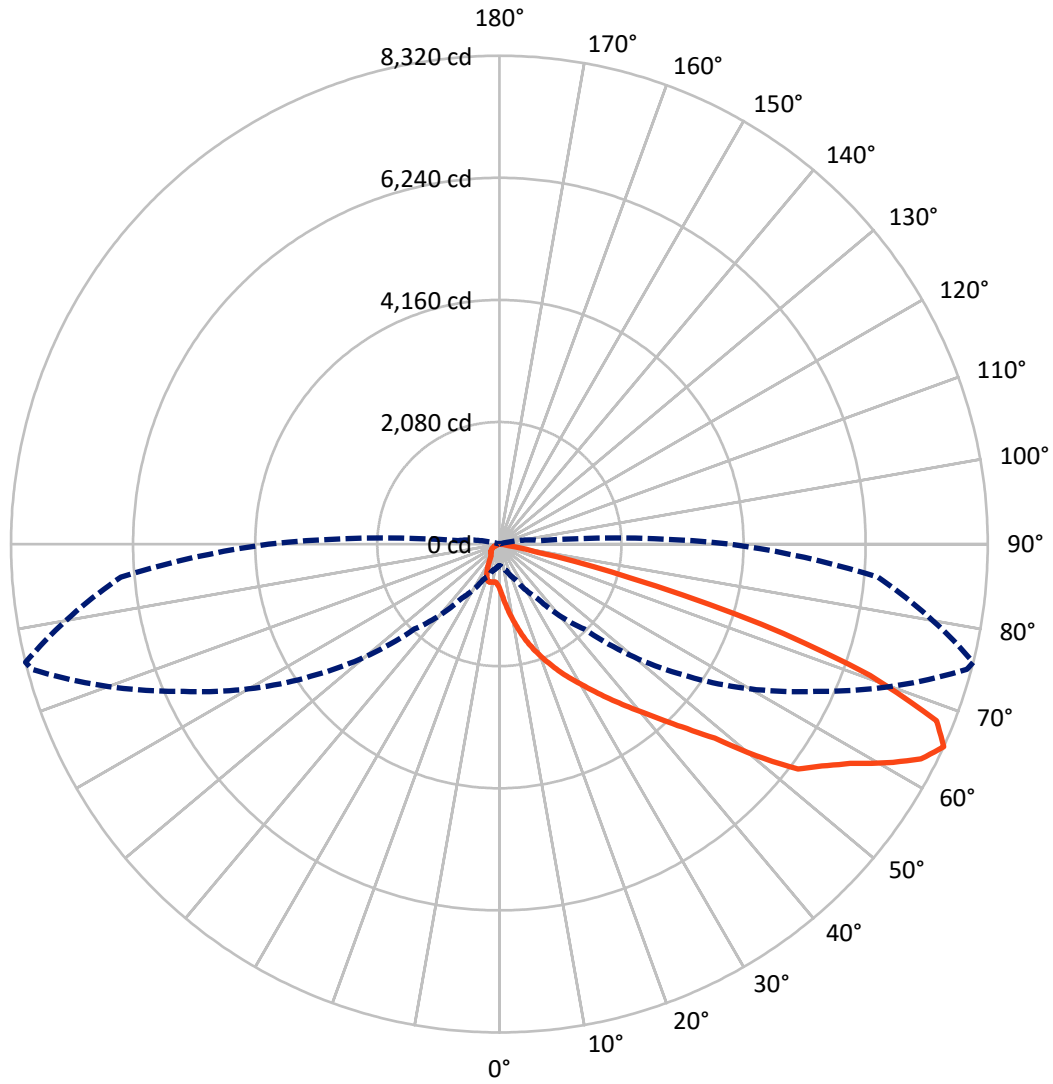
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.7 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	474.5	0.0	474.5
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	8106.3	0.0	8106.3
	% Fixture	94.5	0.0	94.5
Total	Lumens	8580.8	0.0	8580.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	1.1
10°-20°	350.7	4.1
20°-30°	715.5	8.3
30°-40°	1272.5	14.8
40°-50°	1881.1	21.9
50°-60°	2153.7	25.1
60°-70°	1643.1	19.1
70°-80°	460.3	5.4
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°	8580.8	100.0
0°-180°	8580.8	100.0

Coefficient of Utilization



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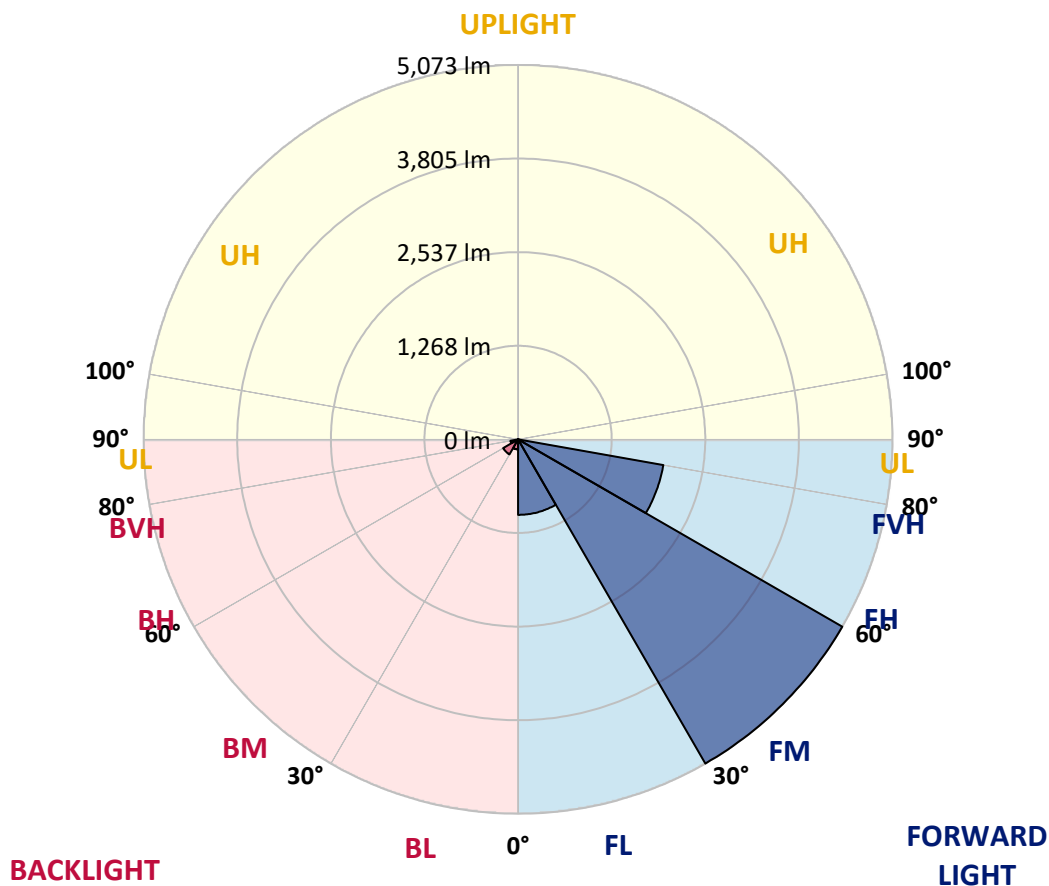
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1023.2	11.9			
FM (30°-60°)	5073.1	59.1			
FH (60°-80°)	1999.1	23.3			G2/5000
FVH (80°-90°)	10.9	0.1			G1/100
BL (0°-30°)	135.4	1.6	B1/500		
BM (30°-60°)	234.1	2.7	B1/1000		
BH (60°-80°)	104.3	1.2	B0/110		G0/110
BVH (80°-90°)	0.7	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°	759.7	759.7	759.7	759.7	759.7	759.7	759.7	759.7	759.7	759.7	759.7
2.5°	1170.8	1188.4	1174.7	1151.8	1107.5	1064.8	1009.9	934.4	874.1	866.5	810.1
5°	1581.2	1579.7	1549.9	1520.2	1473.7	1400.4	1289.8	1149.5	1014.5	1003.0	876.4
7.5°	1825.3	1827.6	1810.8	1787.9	1742.2	1666.6	1551.5	1382.1	1184.6	1161.7	967.2
10°	2030.5	2029.7	2017.5	2006.8	1965.6	1915.3	1791.7	1605.6	1367.6	1331.8	1068.6
12.5°	2184.6	2189.9	2196.0	2206.7	2189.1	2139.6	2022.9	1820.0	1553.0	1513.3	1184.6
15°	2306.6	2308.1	2331.0	2372.2	2386.7	2360.8	2254.7	2027.4	1736.1	1701.7	1318.1
17.5°	2343.2	2346.3	2385.2	2460.7	2537.0	2551.4	2471.4	2236.4	1916.1	1879.5	1447.7
20°	2420.3	2427.1	2456.1	2522.5	2618.6	2696.4	2665.1	2447.7	2096.1	2048.0	1580.4
22.5°	2662.8	2666.6	2656.7	2665.1	2714.7	2804.7	2823.8	2652.1	2280.7	2229.6	1723.8
25°	3080.0	3081.6	3012.2	2946.6	2909.2	2926.0	2967.9	2840.5	2463.7	2413.4	1857.3
27.5°	3513.3	3518.6	3435.5	3324.1	3190.6	3114.4	3102.2	3012.9	2648.3	2592.6	1989.3
30°	3921.4	3921.4	3833.7	3697.9	3519.4	3370.7	3282.9	3186.8	2845.9	2784.9	2124.3
32.5°	4288.3	4285.2	4173.1	4025.9	3849.7	3686.4	3501.9	3368.4	3065.6	2997.7	2279.9
35°	4591.1	4583.5	4456.1	4315.0	4126.6	4005.3	3799.3	3563.6	3303.5	3235.6	2440.1
37.5°	4819.9	4811.5	4694.8	4545.3	4370.6	4292.1	4119.7	3797.8	3554.5	3492.7	2617.8
40°	4944.2	4927.5	4846.6	4735.2	4588.8	4520.1	4448.4	4088.4	3849.7	3772.6	2827.6
42.5°	4980.9	4961.0	4907.6	4855.8	4767.3	4713.1	4790.2	4416.4	4173.8	4107.5	3067.1
45°	4872.5	4861.1	4856.5	4893.9	4909.9	4925.2	5115.1	4779.5	4531.6	4481.2	3368.4
47.5°	4611.7	4608.6	4649.1	4804.7	4974.0	5134.9	5468.3	5227.2	4995.3	4941.2	3789.4
50°	4129.6	4160.9	4273.8	4546.8	4885.5	5253.9	5798.5	5848.1	5745.9	5666.6	4338.6
52.5°	3376.0	3436.3	3689.5	4104.4	4591.1	5220.4	5951.1	6345.4	6449.9	6367.6	4732.2
55°	2649.1	2705.5	2931.3	3457.6	4106.7	4964.8	5958.0	6517.1	6745.1	6668.9	4998.4
57.5°	1973.3	2025.1	2230.3	2733.7	3447.7	4462.2	5794.7	6612.4	7095.2	7046.4	5418.7
60°	1289.8	1340.9	1526.3	1966.4	2674.3	3729.9	5392.7	6592.6	7572.0	7567.4	5935.1
62.5°	715.5	755.9	890.1	1233.4	1866.5	2888.6	4761.2	6393.5	8033.4	8062.4	6360.7
65°	366.1	392.1	473.7	678.1	1129.7	2048.0	3930.5	5937.4	8247.0	8320.2	6472.8
67.5°	239.5	247.9	267.7	352.4	604.9	1288.3	2958.0	5205.9	7946.5	8031.9	6096.8
70°	194.5	201.4	212.8	234.9	312.0	684.2	1942.8	4157.8	6639.9	6697.8	4855.0
72.5°	142.6	151.8	173.9	188.4	225.0	375.3	1010.7	2729.2	4559.8	4662.0	3051.1
75°	105.3	110.6	128.9	148.7	183.8	237.2	386.7	1434.8	2354.7	2295.2	1281.4
77.5°	63.3	67.1	82.4	95.3	131.2	148.0	135.0	530.1	716.2	673.5	309.7
80°	31.3	35.1	54.2	71.7	83.9	59.5	56.4	148.0	159.4	159.4	77.8
82.5°	10.7	13.7	29.0	47.3	41.2	22.9	26.7	38.1	42.7	45.0	22.9
85°	0.0	0.0	6.9	13.7	6.1	3.1	6.9	8.4	10.7	11.4	7.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.3	3.1	3.1
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°	759.7	759.7	759.7	759.7	759.7	759.7	759.7	759.7	759.7	759.7	759.7
2.5°	779.5	743.7	689.5	640.7	603.3	568.3	541.6	520.2	516.4	504.2	505.7
5°	814.6	749.8	649.9	572.8	518.7	482.1	451.6	428.7	418.8	408.8	401.2
7.5°	868.8	775.0	634.6	540.8	477.5	421.0	373.8	335.6	317.3	305.9	298.2
10°	935.1	810.1	635.4	521.7	427.9	341.7	276.9	234.9	215.1	209.0	208.2
12.5°	1014.5	854.3	641.5	490.5	356.2	254.0	205.2	186.1	180.0	174.7	174.7
15°	1098.4	903.9	641.5	433.3	271.5	198.3	177.7	165.5	157.9	154.8	153.3
17.5°	1186.9	950.4	626.2	354.7	208.2	174.7	157.9	146.5	140.3	135.8	134.2
20°	1281.4	994.6	588.1	271.5	178.5	156.4	140.3	128.9	122.8	118.2	118.2
22.5°	1377.6	1035.8	526.3	209.0	157.9	138.8	123.6	112.9	106.8	102.2	102.2
25°	1466.8	1063.3	447.0	172.4	142.6	123.6	109.8	99.2	92.3	89.2	87.7
27.5°	1549.9	1080.8	359.3	151.8	128.1	110.6	96.1	86.2	80.9	78.6	77.0
30°	1636.1	1085.4	274.6	138.1	115.9	97.6	83.9	76.3	71.7	68.6	68.6
32.5°	1720.0	1080.1	209.8	126.6	105.3	86.2	74.8	67.9	64.1	61.8	61.0
35°	1805.5	1055.7	170.1	116.7	94.6	75.5	66.4	61.0	58.7	55.7	55.7
37.5°	1898.5	1022.9	148.0	106.8	83.9	67.9	59.5	55.7	52.6	50.3	49.6
40°	2014.5	984.7	135.8	98.4	74.0	61.0	53.4	49.6	47.3	45.0	44.2
42.5°	2151.8	947.4	129.7	89.2	66.4	54.2	48.1	43.5	41.2	38.1	37.4
45°	2346.3	939.0	122.8	79.3	59.5	48.8	42.0	37.4	34.3	32.0	31.3
47.5°	2659.0	962.6	111.4	68.6	52.6	42.7	35.8	32.0	28.2	25.9	24.4
50°	2969.4	956.5	99.9	59.5	46.5	36.6	30.5	26.7	22.9	20.6	19.8
52.5°	3138.8	927.5	89.2	52.6	40.4	31.3	25.9	21.4	19.1	16.8	16.0
55°	3292.1	916.1	78.6	45.8	34.3	27.5	21.4	17.5	16.0	13.7	13.0
57.5°	3592.6	942.8	69.4	39.7	29.7	23.6	18.3	14.5	13.0	10.7	9.9
60°	3906.9	945.8	59.5	34.3	25.9	19.8	14.5	11.4	9.9	7.6	6.9
62.5°	4070.9	868.8	48.8	29.0	21.4	16.8	12.2	9.2	7.6	4.6	4.6
65°	3933.6	702.5	41.2	23.6	16.8	13.0	9.2	6.9	4.6	2.3	0.8
67.5°	3481.3	499.6	34.3	19.1	12.2	9.2	6.9	4.6	0.8	0.0	0.0
70°	2549.2	285.3	26.7	13.7	9.2	6.1	4.6	2.3	0.0	0.0	0.0
72.5°	1566.7	152.6	19.8	9.2	6.9	4.6	3.8	1.5	0.0	0.0	0.0
75°	594.2	73.2	12.2	6.1	5.3	3.8	2.3	0.8	0.0	0.0	0.0
77.5°	160.9	35.8	6.9	4.6	3.8	2.3	1.5	0.0	0.0	0.0	0.0
80°	42.0	16.8	4.6	3.1	2.3	1.5	0.0	0.0	0.0	0.0	0.0
82.5°	14.5	7.6	2.3	2.3	1.5	0.8	0.0	0.0	0.0	0.0	0.0
85°	6.1	3.1	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	0.8	0.8	0.8	0.8	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)