

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: P634809

Luminaire Tested: GWS-SA3C-740-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634809
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-SA3C-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11250 lumens
Efficiency: N/A
Efficacy: 121.0 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

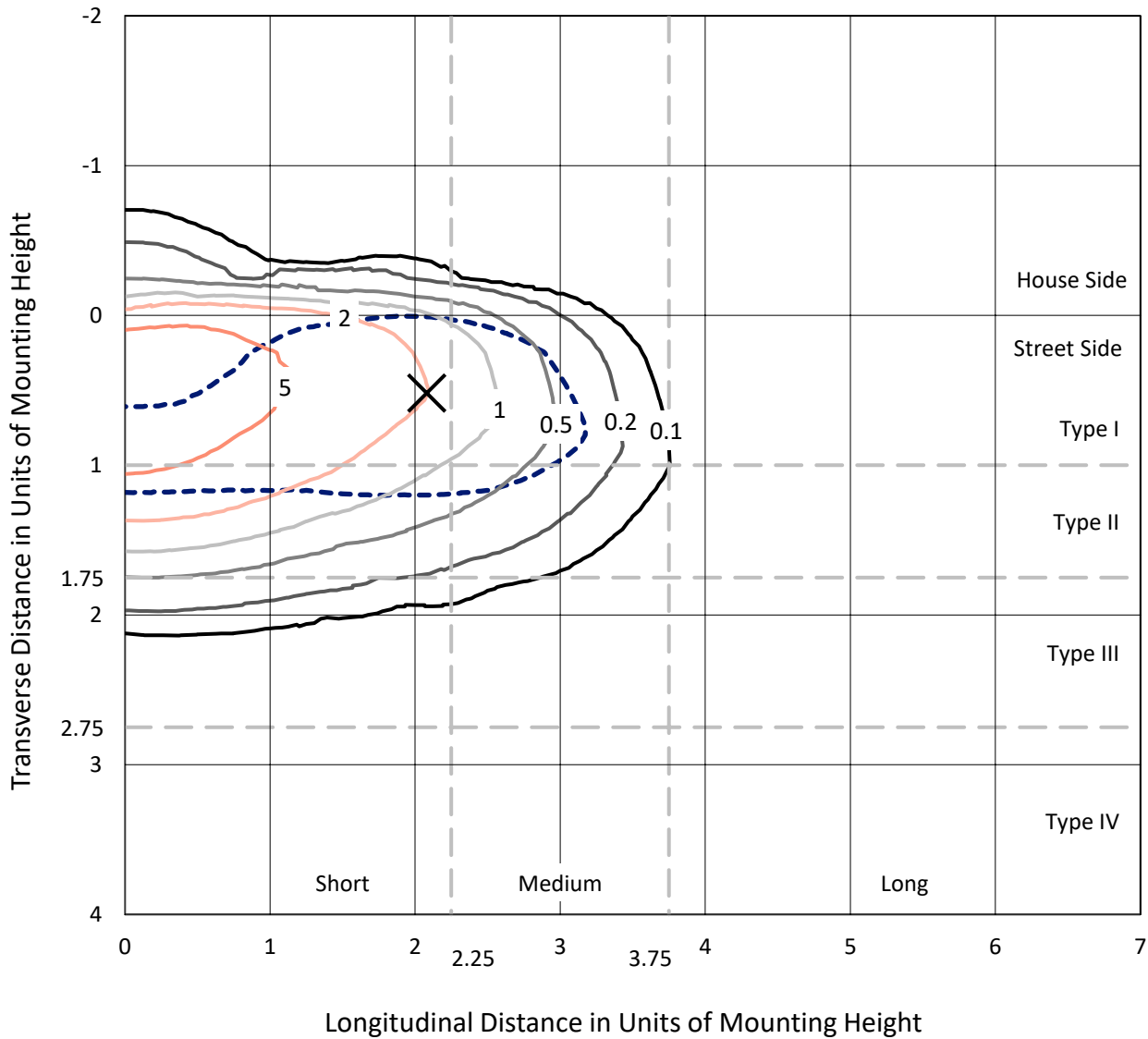
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

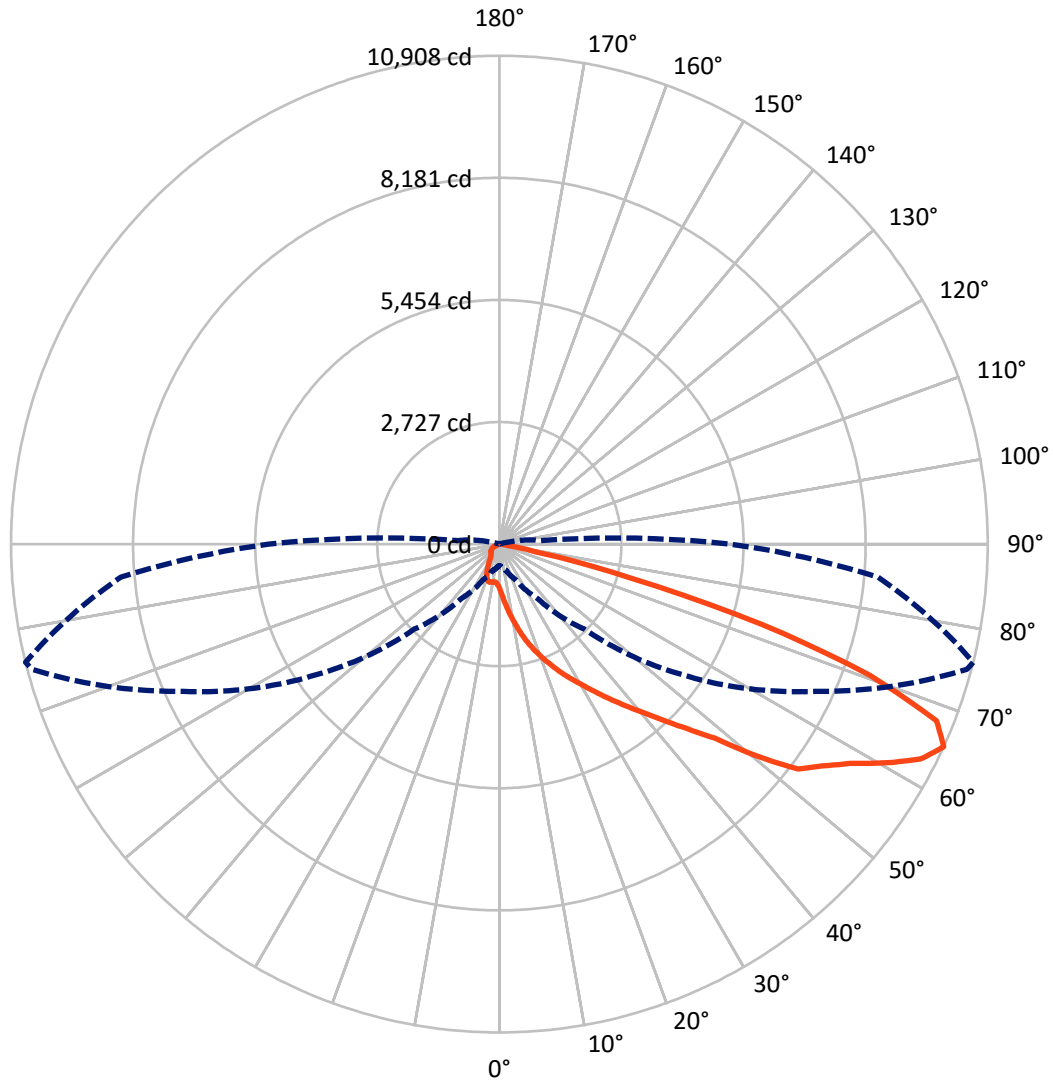
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.4 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	622.0	0.0	622.0
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	10627.9	0.0	10627.9
	% Fixture	94.5	0.0	94.5
Total	Lumens	11250.0	0.0	11250.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.2	1.1
10°-20°	459.8	4.1
20°-30°	938.0	8.3
30°-40°	1668.3	14.8
40°-50°	2466.2	21.9
50°-60°	2823.6	25.1
60°-70°	2154.3	19.1
70°-80°	603.4	5.4
80°-90°	15.2	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°	11250.0	100.0
0°-180°	11250.0	100.0

Coefficient of Utilization



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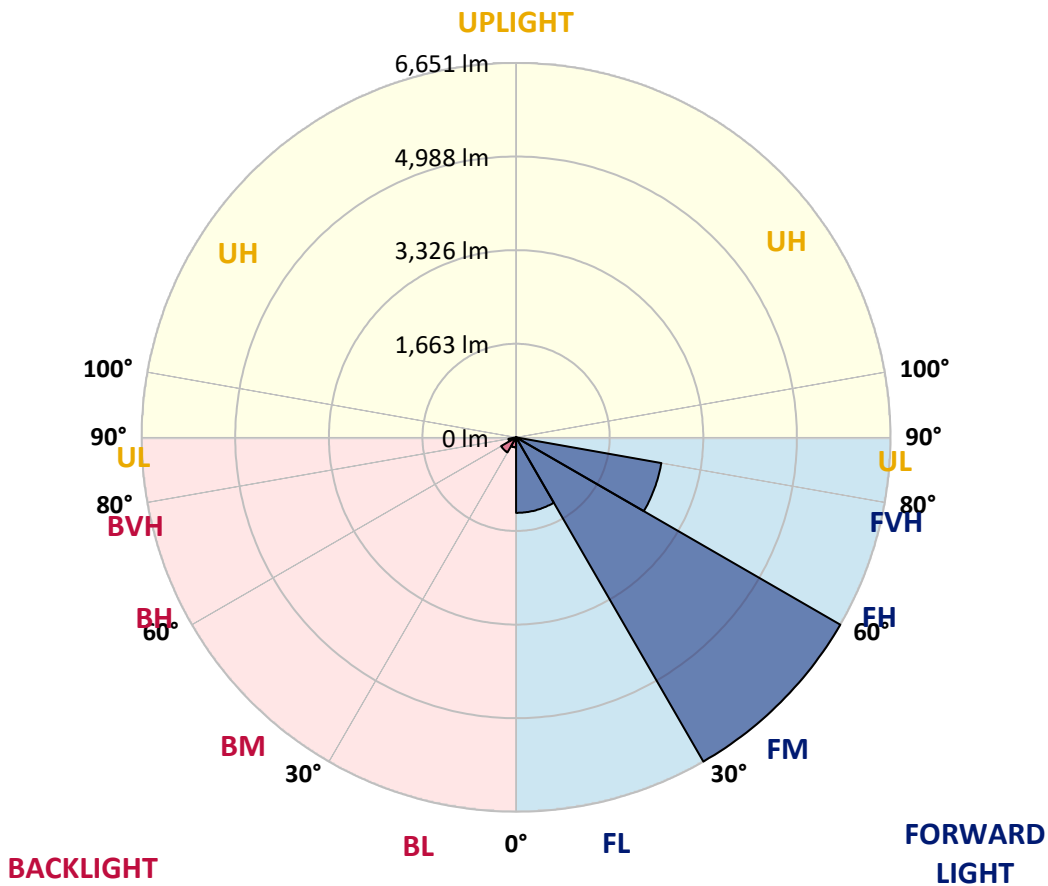
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1341.5	11.9			
FM (30°-60°)	6651.2	59.1			
FH (60°-80°)	2621.0	23.3			G2/5000
FVH (80°-90°)	14.3	0.1			G1/100
BL (0°-30°)	177.5	1.6	B1/500		
BM (30°-60°)	306.9	2.7	B1/1000		
BH (60°-80°)	136.7	1.2	B1/500		G1/500
BVH (80°-90°)	0.9	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°	996.0	996.0	996.0	996.0	996.0	996.0	996.0	996.0	996.0	996.0	996.0
2.5°	1535.1	1558.1	1540.1	1510.1	1452.1	1396.0	1324.0	1225.0	1146.0	1136.0	1062.0
5°	2073.1	2071.1	2032.1	1993.1	1932.1	1836.1	1691.1	1507.1	1330.0	1315.0	1149.0
7.5°	2393.1	2396.1	2374.1	2344.1	2284.1	2185.1	2034.1	1812.1	1553.1	1523.1	1268.0
10°	2662.1	2661.1	2645.1	2631.1	2577.1	2511.1	2349.1	2105.1	1793.1	1746.1	1401.0
12.5°	2864.1	2871.1	2879.1	2893.1	2870.1	2805.1	2652.1	2386.1	2036.1	1984.1	1553.1
15°	3024.1	3026.1	3056.1	3110.1	3129.1	3095.1	2956.1	2658.1	2276.1	2231.1	1728.1
17.5°	3072.1	3076.1	3127.1	3226.1	3326.1	3345.1	3240.1	2932.1	2512.1	2464.1	1898.1
20°	3173.1	3182.1	3220.1	3307.1	3433.1	3535.1	3494.1	3209.1	2748.1	2685.1	2072.1
22.5°	3491.1	3496.1	3483.1	3494.1	3559.1	3677.1	3702.1	3477.1	2990.1	2923.1	2260.1
25°	4038.1	4040.1	3949.1	3863.1	3814.1	3836.1	3891.1	3724.1	3230.1	3164.1	2435.1
27.5°	4606.2	4613.2	4504.2	4358.2	4183.1	4083.1	4067.1	3950.1	3472.1	3399.1	2608.1
30°	5141.2	5141.2	5026.2	4848.2	4614.2	4419.2	4304.2	4178.1	3731.1	3651.1	2785.1
32.5°	5622.2	5618.2	5471.2	5278.2	5047.2	4833.2	4591.2	4416.2	4019.1	3930.1	2989.1
35°	6019.2	6009.2	5842.2	5657.2	5410.2	5251.2	4981.2	4672.2	4331.2	4242.2	3199.1
37.5°	6319.2	6308.2	6155.2	5959.2	5730.2	5627.2	5401.2	4979.2	4660.2	4579.2	3432.1
40°	6482.2	6460.2	6354.2	6208.2	6016.2	5926.2	5832.2	5360.2	5047.2	4946.2	3707.1
42.5°	6530.2	6504.2	6434.2	6366.2	6250.2	6179.2	6280.2	5790.2	5472.2	5385.2	4021.1
45°	6388.2	6373.2	6367.2	6416.2	6437.2	6457.2	6706.2	6266.2	5941.2	5875.2	4416.2
47.5°	6046.2	6042.2	6095.2	6299.2	6521.2	6732.2	7169.3	6853.2	6549.2	6478.2	4968.2
50°	5414.2	5455.2	5603.2	5961.2	6405.2	6888.2	7602.3	7667.3	7533.3	7429.3	5688.2
52.5°	4426.2	4505.2	4837.2	5381.2	6019.2	6844.2	7802.3	8319.3	8456.3	8348.3	6204.2
55°	3473.1	3547.1	3843.1	4533.2	5384.2	6509.2	7811.3	8544.3	8843.3	8743.3	6553.2
57.5°	2587.1	2655.1	2924.1	3584.1	4520.2	5850.2	7597.3	8669.3	9302.3	9238.3	7104.3
60°	1691.1	1758.1	2001.1	2578.1	3506.1	4890.2	7070.3	8643.3	9927.4	9921.4	7781.3
62.5°	938.0	991.0	1167.0	1617.1	2447.1	3787.1	6242.2	8382.3	10532.4	10570.4	8339.3
65°	480.0	514.0	621.0	889.0	1481.1	2685.1	5153.2	7784.3	10812.4	10908.4	8486.3
67.5°	314.0	325.0	351.0	462.0	793.0	1689.1	3878.1	6825.2	10418.4	10530.4	7993.3
70°	255.0	264.0	279.0	308.0	409.0	897.0	2547.1	5451.2	8705.3	8781.3	6365.2
72.5°	187.0	199.0	228.0	247.0	295.0	492.0	1325.0	3578.1	5978.2	6112.2	4000.1
75°	138.0	145.0	169.0	195.0	241.0	311.0	507.0	1881.1	3087.1	3009.1	1680.1
77.5°	83.0	88.0	108.0	125.0	172.0	194.0	177.0	695.0	939.0	883.0	406.0
80°	41.0	46.0	71.0	94.0	110.0	78.0	74.0	194.0	209.0	209.0	102.0
82.5°	14.0	18.0	38.0	62.0	54.0	30.0	35.0	50.0	56.0	59.0	30.0
85°	0.0	0.0	9.0	18.0	8.0	4.0	9.0	11.0	14.0	15.0	10.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0	4.0	4.0
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°	996.0	996.0	996.0	996.0	996.0	996.0	996.0	996.0	996.0	996.0	996.0
2.5°	1022.0	975.0	904.0	840.0	791.0	745.0	710.0	682.0	677.0	661.0	663.0
5°	1068.0	983.0	852.0	751.0	680.0	632.0	592.0	562.0	549.0	536.0	526.0
7.5°	1139.0	1016.0	832.0	709.0	626.0	552.0	490.0	440.0	416.0	401.0	391.0
10°	1226.0	1062.0	833.0	684.0	561.0	448.0	363.0	308.0	282.0	274.0	273.0
12.5°	1330.0	1120.0	841.0	643.0	467.0	333.0	269.0	244.0	236.0	229.0	229.0
15°	1440.1	1185.0	841.0	568.0	356.0	260.0	233.0	217.0	207.0	203.0	201.0
17.5°	1556.1	1246.0	821.0	465.0	273.0	229.0	207.0	192.0	184.0	178.0	176.0
20°	1680.1	1304.0	771.0	356.0	234.0	205.0	184.0	169.0	161.0	155.0	155.0
22.5°	1806.1	1358.0	690.0	274.0	207.0	182.0	162.0	148.0	140.0	134.0	134.0
25°	1923.1	1394.0	586.0	226.0	187.0	162.0	144.0	130.0	121.0	117.0	115.0
27.5°	2032.1	1417.1	471.0	199.0	168.0	145.0	126.0	113.0	106.0	103.0	101.0
30°	2145.1	1423.1	360.0	181.0	152.0	128.0	110.0	100.0	94.0	90.0	90.0
32.5°	2255.1	1416.1	275.0	166.0	138.0	113.0	98.0	89.0	84.0	81.0	80.0
35°	2367.1	1384.0	223.0	153.0	124.0	99.0	87.0	80.0	77.0	73.0	73.0
37.5°	2489.1	1341.0	194.0	140.0	110.0	89.0	78.0	73.0	69.0	66.0	65.0
40°	2641.1	1291.0	178.0	129.0	97.0	80.0	70.0	65.0	62.0	59.0	58.0
42.5°	2821.1	1242.0	170.0	117.0	87.0	71.0	63.0	57.0	54.0	50.0	49.0
45°	3076.1	1231.0	161.0	104.0	78.0	64.0	55.0	49.0	45.0	42.0	41.0
47.5°	3486.1	1262.0	146.0	90.0	69.0	56.0	47.0	42.0	37.0	34.0	32.0
50°	3893.1	1254.0	131.0	78.0	61.0	48.0	40.0	35.0	30.0	27.0	26.0
52.5°	4115.1	1216.0	117.0	69.0	53.0	41.0	34.0	28.0	25.0	22.0	21.0
55°	4316.2	1201.0	103.0	60.0	45.0	36.0	28.0	23.0	21.0	18.0	17.0
57.5°	4710.2	1236.0	91.0	52.0	39.0	31.0	24.0	19.0	17.0	14.0	13.0
60°	5122.2	1240.0	78.0	45.0	34.0	26.0	19.0	15.0	13.0	10.0	9.0
62.5°	5337.2	1139.0	64.0	38.0	28.0	22.0	16.0	12.0	10.0	6.0	6.0
65°	5157.2	921.0	54.0	31.0	22.0	17.0	12.0	9.0	6.0	3.0	1.0
67.5°	4564.2	655.0	45.0	25.0	16.0	12.0	9.0	6.0	1.0	0.0	0.0
70°	3342.1	374.0	35.0	18.0	12.0	8.0	6.0	3.0	0.0	0.0	0.0
72.5°	2054.1	200.0	26.0	12.0	9.0	6.0	5.0	2.0	0.0	0.0	0.0
75°	779.0	96.0	16.0	8.0	7.0	5.0	3.0	1.0	0.0	0.0	0.0
77.5°	211.0	47.0	9.0	6.0	5.0	3.0	2.0	0.0	0.0	0.0	0.0
80°	55.0	22.0	6.0	4.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0
82.5°	19.0	10.0	3.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
85°	8.0	4.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	1.0	1.0	1.0	1.0	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)