

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: P632285

Luminaire Tested: GWS-SA2C-735-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-735-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5725.3 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

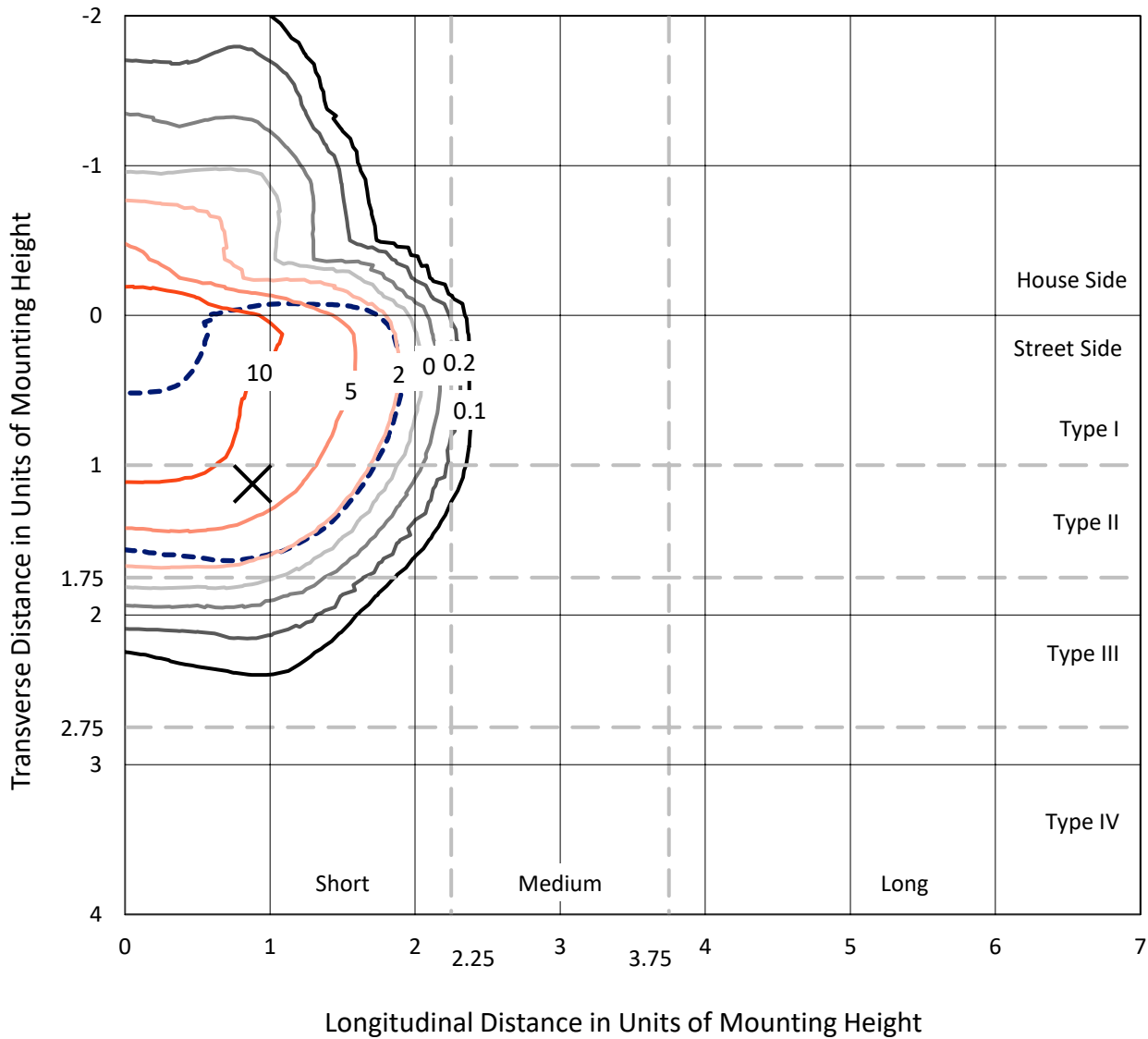
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

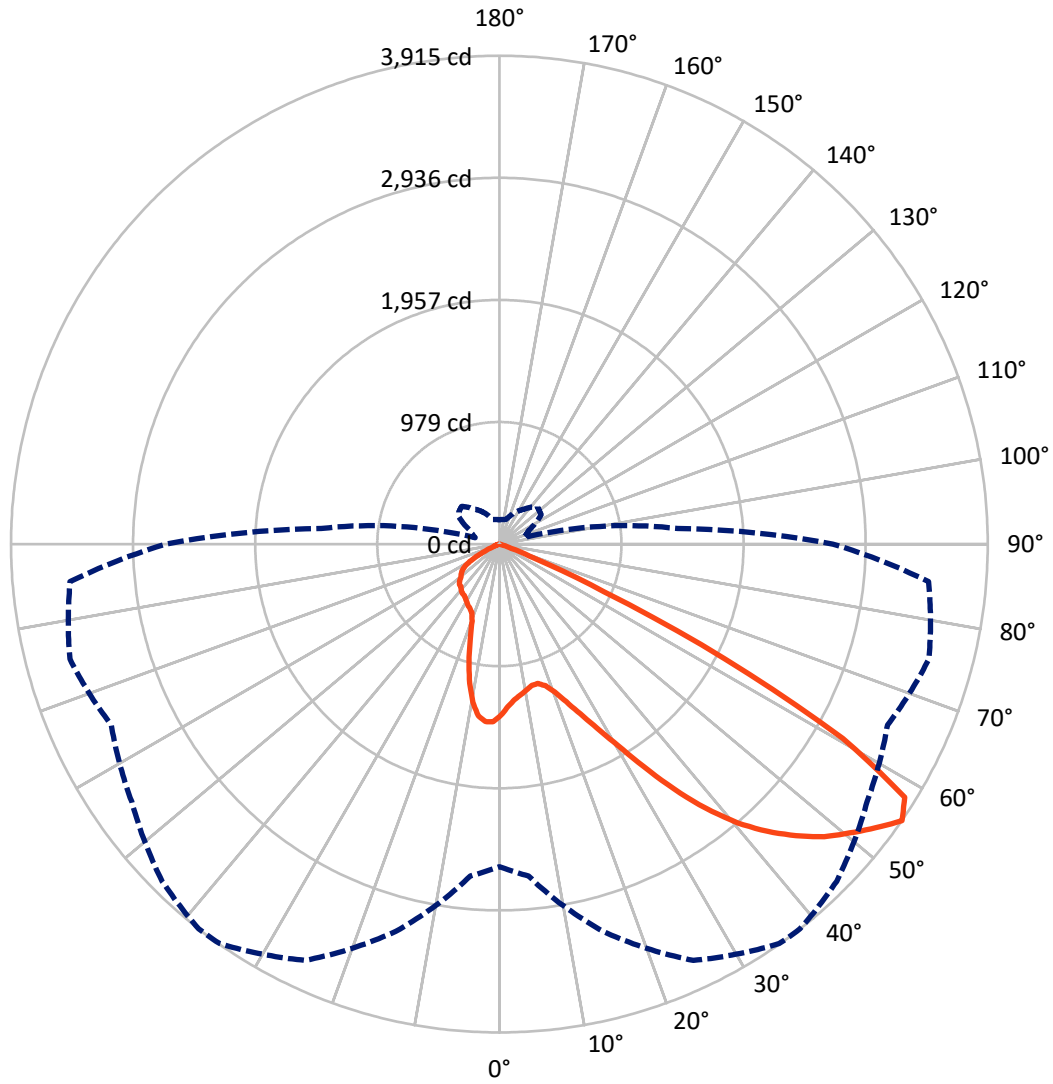
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1115.5	0.0	1115.5
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	4609.8	0.0	4609.8
	% Fixture	80.5	0.0	80.5
Total	Lumens	5725.3	0.0	5725.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.9	2.2
10°-20°	341.8	6.0
20°-30°	586.5	10.2
30°-40°	972.7	17.0
40°-50°	1430.0	25.0
50°-60°	1670.9	29.2
60°-70°	566.4	9.9
70°-80°	29.0	0.5
80°-90°	1.2	0.0
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°	5725.3	100.0
0°-180°	5725.3	100.0

Coefficient of Utilization



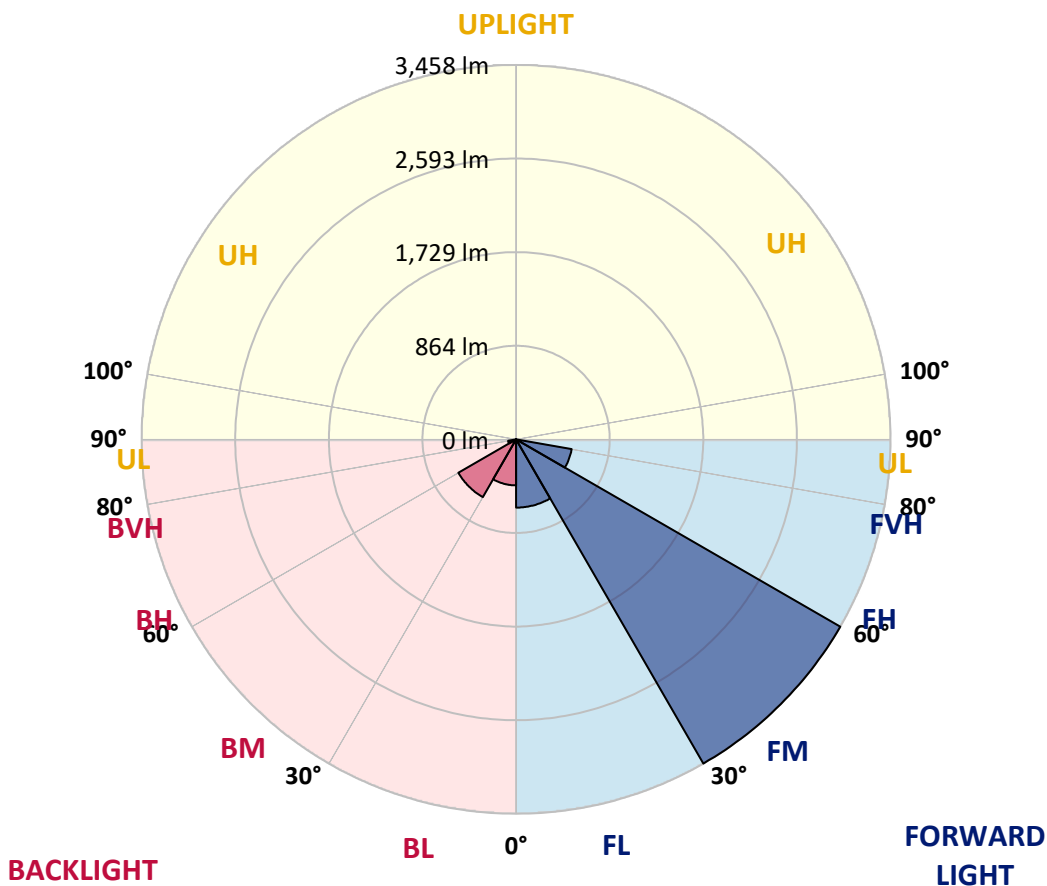
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	630.2	11.0			
FM (30°-60°)	3457.9	60.4			
FH (60°-80°)	521.1	9.1			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	425.0	7.4	B1/500		
BM (30°-60°)	615.7	10.8	B1/1000		
BH (60°-80°)	74.3	1.3	B0/110		G0/110
BVH (80°-90°)	0.5	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1373.0	1373.0	1373.0	1373.0	1373.0	1373.0	1373.0	1373.0	1373.0	1373.0	1373.0
2.5°	1278.7	1276.1	1281.4	1291.8	1301.6	1304.9	1314.7	1328.5	1337.0	1357.3	1373.6
5°	1221.1	1219.8	1225.1	1234.2	1247.3	1251.9	1267.0	1289.9	1312.8	1348.1	1382.8
7.5°	1168.8	1168.1	1176.0	1196.3	1215.3	1221.1	1239.5	1267.6	1298.4	1352.7	1403.7
10°	1100.1	1100.7	1115.8	1144.6	1179.3	1191.0	1220.5	1261.1	1301.0	1371.0	1441.7
12.5°	1077.8	1079.1	1087.0	1109.2	1147.2	1162.2	1203.5	1265.0	1316.0	1397.2	1490.8
15°	1132.1	1132.1	1125.6	1128.2	1145.2	1159.0	1202.2	1278.1	1341.6	1428.6	1539.2
17.5°	1237.5	1233.6	1217.2	1195.0	1189.1	1193.7	1228.3	1306.2	1377.6	1465.2	1594.2
20°	1380.2	1381.5	1349.4	1302.9	1265.6	1265.0	1285.9	1356.0	1429.3	1509.1	1653.7
22.5°	1552.9	1547.7	1505.2	1441.7	1376.9	1371.7	1380.2	1431.9	1503.9	1578.5	1727.0
25°	1753.2	1750.6	1690.4	1605.3	1519.6	1507.1	1507.1	1558.2	1610.5	1677.3	1814.7
27.5°	1962.6	1962.6	1904.4	1806.2	1692.3	1670.1	1666.8	1727.0	1761.7	1774.8	1888.7
30°	2177.9	2175.3	2117.7	2016.9	1895.2	1872.3	1863.1	1907.6	1932.5	1893.2	1980.9
32.5°	2396.5	2401.1	2342.8	2249.2	2140.6	2125.6	2097.4	2097.4	2117.7	2062.7	2126.2
35°	2631.4	2630.1	2584.3	2520.8	2427.9	2410.9	2364.4	2291.8	2322.5	2298.3	2327.1
37.5°	2838.9	2848.7	2826.4	2779.3	2704.1	2687.0	2610.5	2478.9	2502.5	2540.5	2566.0
40°	3049.6	3057.4	3079.7	3064.6	2969.8	2938.3	2802.2	2586.3	2612.4	2742.7	2816.0
42.5°	3256.4	3260.3	3305.5	3330.3	3203.4	3148.4	2947.5	2651.7	2679.2	2901.0	3029.3
45°	3387.9	3396.4	3471.0	3547.0	3409.5	3334.3	3073.8	2735.5	2747.3	3011.0	3187.0
47.5°	3382.7	3402.3	3542.4	3680.5	3586.9	3505.7	3225.6	2869.6	2850.0	3114.4	3291.1
50°	3277.3	3300.9	3501.8	3721.0	3714.5	3639.2	3394.5	3064.0	3002.5	3206.0	3304.2
52.5°	3058.8	3126.8	3430.5	3726.3	3817.2	3779.3	3603.2	3325.8	3208.6	3337.5	3325.1
55°	2586.3	2670.0	3213.9	3681.8	3910.2	3914.7	3822.5	3598.6	3432.4	3564.0	3454.0
57.5°	1963.3	2030.0	2473.7	3277.3	3756.4	3831.6	3907.5	3742.6	3570.5	3718.4	3484.1
60°	1183.2	1260.4	1549.0	2405.0	3033.9	3162.2	3459.9	3427.8	3220.4	3283.9	2857.2
62.5°	479.7	520.3	715.3	1325.2	1909.6	2029.4	2314.7	2363.1	2312.1	2247.3	1732.9
65°	175.4	191.7	286.6	547.7	878.2	922.1	1072.6	1158.3	1229.0	1046.4	644.6
67.5°	108.6	119.1	186.5	281.4	319.4	297.1	302.3	360.6	344.2	212.7	115.2
70°	80.5	89.0	145.9	195.0	128.9	99.5	67.4	72.0	64.8	56.9	56.3
72.5°	55.6	63.5	109.3	115.2	49.7	35.3	24.9	34.7	39.3	38.6	39.9
75°	36.6	42.5	68.7	45.2	12.4	9.8	8.5	18.3	23.6	23.6	24.2
77.5°	21.6	24.9	24.2	9.2	2.6	2.6	2.0	3.3	5.2	5.9	7.2
80°	2.6	2.0	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.0
82.5°	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.0
85°	0.0	0.0	0.7	0.7	1.3	1.3	1.3	1.3	1.3	2.0	2.0
87.5°	0.0	0.0	0.7	0.7	1.3	1.3	1.3	1.3	1.3	2.0	2.0
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°	1373.0	1373.0	1373.0	1373.0	1373.0	1373.0	1373.0	1373.0	1373.0	1373.0	1373.0
2.5°	1386.1	1381.5	1400.5	1414.2	1425.3	1430.6	1423.4	1422.7	1422.7	1408.3	1404.4
5°	1402.4	1404.4	1431.2	1443.0	1445.0	1438.4	1422.1	1410.9	1404.4	1389.3	1380.8
7.5°	1433.8	1440.4	1465.9	1463.9	1446.3	1416.2	1373.0	1339.6	1318.0	1294.4	1280.0
10°	1479.0	1491.4	1507.1	1479.6	1423.4	1346.8	1257.8	1194.3	1156.4	1129.5	1113.2
12.5°	1534.0	1546.4	1541.2	1476.4	1359.2	1222.5	1107.9	1016.3	972.5	948.3	931.2
15°	1589.6	1597.4	1563.4	1437.1	1246.0	1062.1	934.5	843.5	789.9	770.3	755.9
17.5°	1646.5	1644.6	1567.3	1359.9	1094.8	881.5	755.9	693.7	678.6	675.4	674.1
20°	1706.1	1688.4	1551.6	1249.3	912.9	702.8	631.5	635.4	662.9	676.0	678.6
22.5°	1774.1	1729.6	1512.4	1099.4	727.1	585.7	592.9	631.5	668.8	686.5	689.1
25°	1846.8	1767.6	1446.9	907.0	573.3	538.6	581.1	625.6	665.5	687.1	689.8
27.5°	1894.5	1776.7	1339.6	713.3	492.1	520.3	565.4	608.0	649.2	672.7	676.0
30°	1946.2	1772.8	1193.7	549.7	464.6	504.6	543.8	582.4	620.4	646.6	649.2
32.5°	2022.2	1770.2	1015.7	446.3	453.5	492.1	520.9	553.0	579.2	594.2	592.2
35°	2121.6	1766.9	808.2	402.5	447.0	482.3	505.2	520.3	491.5	482.3	484.3
37.5°	2249.2	1774.8	633.5	384.1	445.0	479.7	499.3	456.1	411.6	394.6	392.0
40°	2390.6	1795.1	483.0	376.9	451.5	486.2	477.1	405.7	350.8	317.4	310.2
42.5°	2532.6	1817.3	382.2	374.3	462.7	504.6	440.4	369.1	286.6	267.7	265.0
45°	2638.0	1813.4	330.5	369.7	472.5	515.0	430.6	316.7	255.9	247.4	248.0
47.5°	2691.0	1770.2	302.3	359.3	476.4	504.6	406.4	295.1	234.9	244.1	252.0
50°	2662.8	1658.3	276.2	339.0	467.9	490.8	367.8	278.8	224.5	262.4	280.1
52.5°	2628.8	1520.9	247.4	307.6	447.6	471.8	352.7	274.2	217.9	253.3	266.3
55°	2674.0	1433.8	200.3	259.1	407.7	427.3	341.0	273.5	202.9	197.0	195.0
57.5°	2610.5	1260.4	143.3	186.5	312.8	338.3	332.4	269.0	180.0	179.3	181.9
60°	2017.6	768.9	98.2	118.4	191.7	216.0	301.7	257.2	155.1	142.7	143.3
62.5°	1146.5	327.2	67.4	73.3	98.2	116.5	230.4	233.6	143.3	136.1	143.3
65°	399.2	117.1	52.4	49.1	54.3	62.2	132.2	180.6	130.2	117.8	119.1
67.5°	82.5	58.2	46.5	40.6	40.6	40.6	67.4	112.6	107.3	93.6	94.9
70°	52.4	49.7	40.6	34.7	33.4	30.8	38.6	62.2	73.9	68.1	68.7
72.5°	38.6	38.0	32.1	28.1	24.9	22.3	24.2	30.8	38.0	39.3	39.9
75°	23.6	24.2	20.9	17.7	15.7	13.7	14.4	14.4	14.4	13.1	14.4
77.5°	7.2	7.9	6.5	5.2	4.6	4.6	4.6	3.9	3.3	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	1.3	1.3	0.7	0.7	0.0	0.0
82.5°	2.0	2.0	2.0	2.0	1.3	1.3	0.7	0.7	0.0	0.0	0.0
85°	2.0	2.0	2.0	2.0	1.3	1.3	0.7	0.7	0.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	1.3	1.3	0.7	0.7	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)