

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: P629967

Luminaire Tested: GWS-SA1C-760-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-760-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3250.7 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

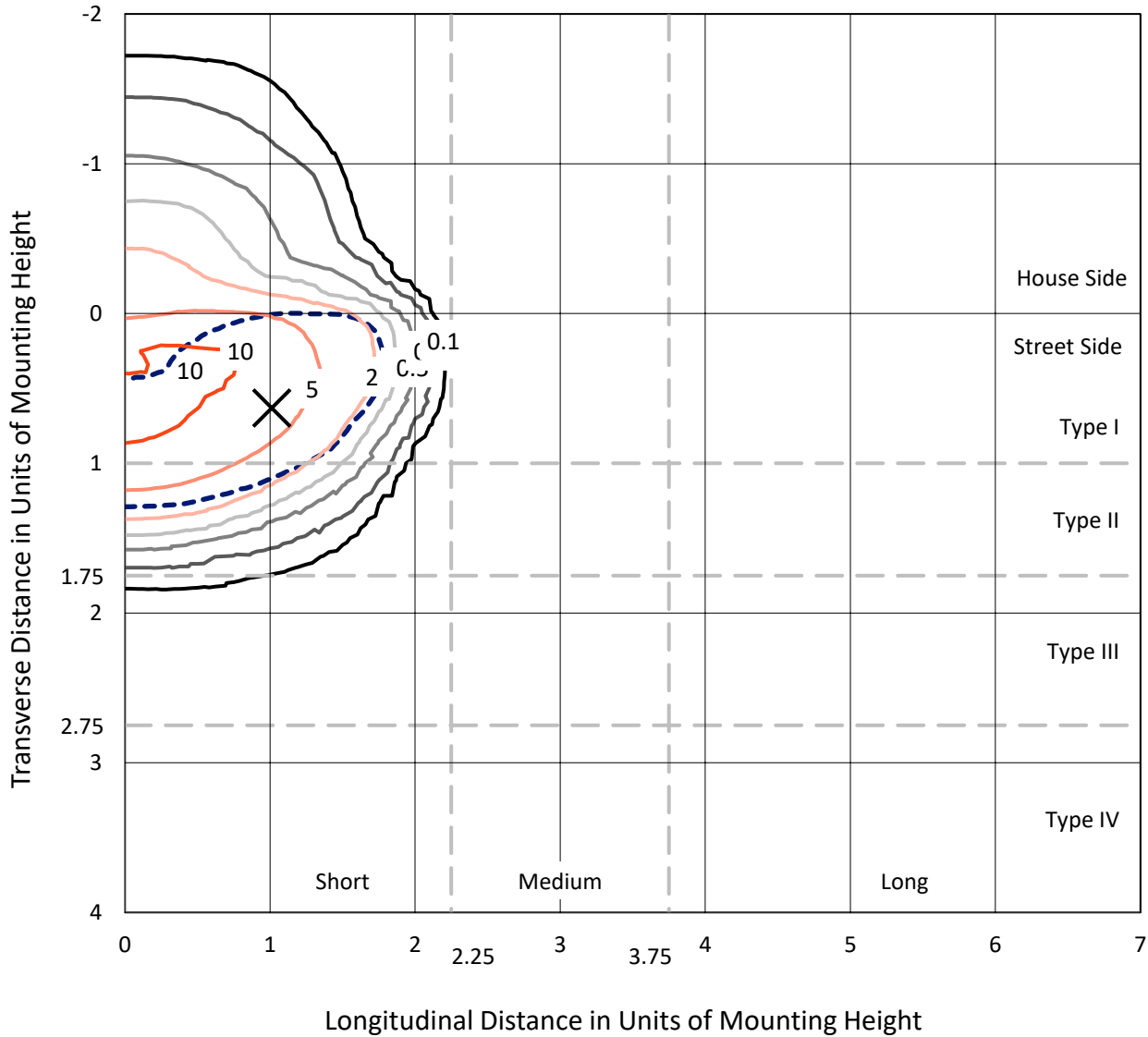
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

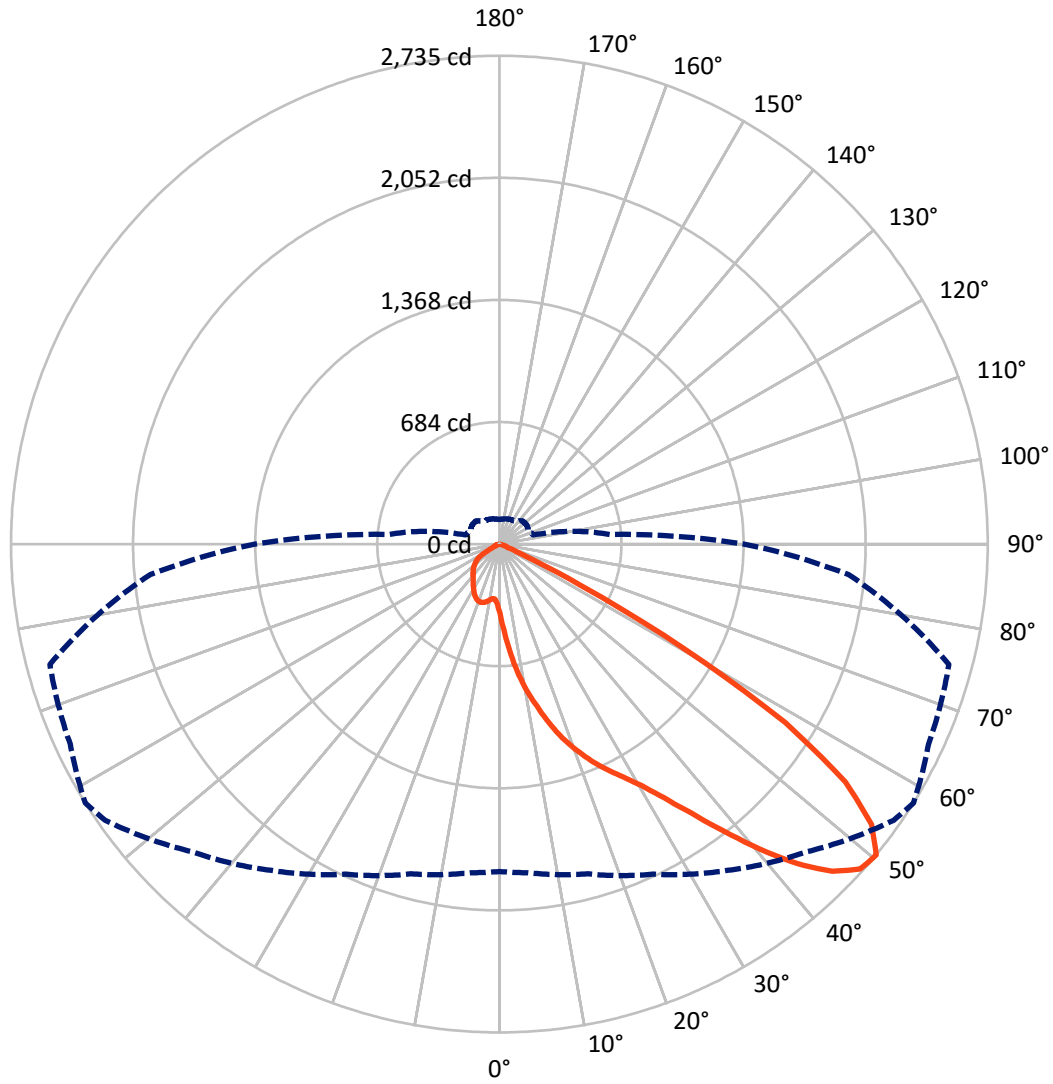
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	455.3	0.0	455.3
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	2795.4	0.0	2795.4
	% Fixture	86.0	0.0	86.0
Total	Lumens	3250.7	0.0	3250.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.1	1.5
10°-20°	190.4	5.9
20°-30°	385.3	11.9
30°-40°	681.7	21.0
40°-50°	993.8	30.6
50°-60°	796.5	24.5
60°-70°	143.5	4.4
70°-80°	11.3	0.3
80°-90°	0.0	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°	3250.7	100.0
0°-180°	3250.7	100.0

Coefficient of Utilization



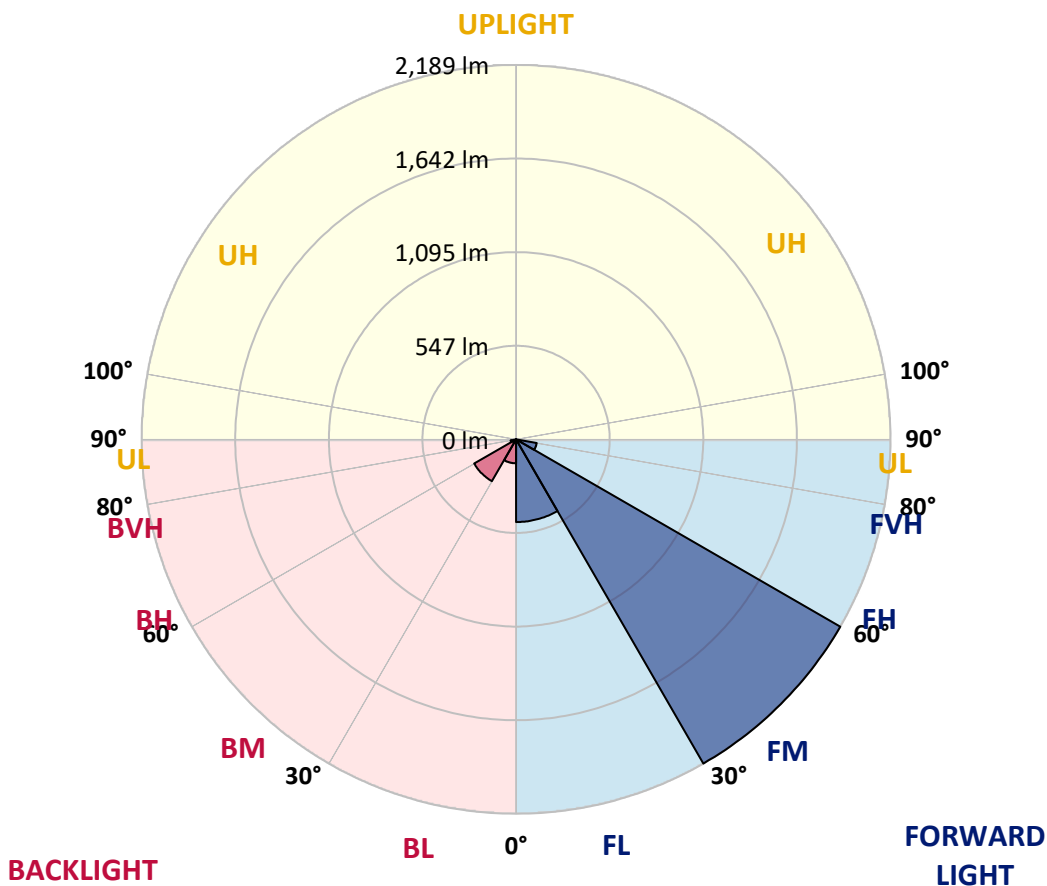
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	483.7	14.9			
FM (30°-60°)	2189.2	67.3			
FH (60°-80°)	122.5	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	140.2	4.3	B1/500		
BM (30°-60°)	282.8	8.7	B1/1000		
BH (60°-80°)	32.4	1.0	B0/110		G0/110
BVH (80°-90°)	0.0	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°	45°	55°	58°	65°	75°	85°
0°	388.3	388.3	388.3	388.3	388.3	388.3	388.3	388.3	388.3	388.3	388.3
2.5°	574.6	565.6	560.4	556.2	537.8	508.6	489.4	479.4	462.7	434.5	410.2
5°	749.8	743.2	731.0	722.7	699.1	657.7	614.9	597.9	560.0	496.4	439.4
7.5°	865.9	861.1	856.5	845.4	823.2	785.6	738.3	720.6	662.2	571.8	478.3
10°	955.3	951.4	946.2	945.9	928.5	894.8	848.5	830.1	766.8	653.9	524.2
12.5°	1033.8	1030.7	1029.6	1039.4	1028.3	1003.2	953.2	930.2	863.1	737.6	575.0
15°	1087.7	1087.0	1091.5	1110.6	1116.9	1105.4	1063.4	1038.7	961.5	821.8	630.9
17.5°	1112.4	1114.5	1123.2	1156.2	1184.0	1193.7	1161.4	1140.5	1059.2	906.9	690.7
20°	1154.4	1153.7	1159.0	1190.2	1224.3	1259.1	1249.3	1231.6	1157.9	997.0	757.1
22.5°	1273.0	1262.9	1251.8	1256.6	1268.8	1309.5	1327.6	1318.5	1259.8	1089.4	825.6
25°	1455.1	1444.7	1408.9	1374.1	1351.2	1369.6	1394.3	1398.8	1360.9	1184.3	897.2
27.5°	1648.4	1639.0	1598.7	1546.6	1480.9	1448.9	1467.3	1476.3	1460.3	1297.3	973.3
30°	1829.5	1817.0	1772.9	1708.2	1632.1	1583.1	1562.2	1568.5	1577.8	1431.1	1062.7
32.5°	1986.6	1977.3	1924.4	1856.3	1782.9	1731.8	1683.2	1693.6	1716.5	1594.9	1177.0
35°	2119.8	2114.9	2058.9	1991.2	1913.6	1887.6	1845.9	1847.9	1870.9	1792.7	1316.4
37.5°	2235.5	2227.2	2176.4	2113.5	2052.0	2047.8	2036.4	2037.4	2049.2	2023.1	1476.7
40°	2308.5	2300.9	2264.7	2225.8	2182.0	2182.7	2242.1	2246.7	2233.1	2249.4	1646.0
42.5°	2336.0	2330.4	2311.0	2311.3	2306.8	2327.3	2438.9	2447.2	2398.6	2427.1	1790.6
45°	2288.4	2285.9	2287.3	2337.4	2391.6	2454.9	2599.8	2614.4	2545.6	2544.9	1903.6
47.5°	2134.7	2129.9	2170.5	2255.7	2381.2	2504.2	2697.2	2719.8	2648.5	2612.4	1974.5
50°	1833.7	1847.6	1911.9	2039.8	2230.7	2436.5	2696.1	2735.4	2652.3	2606.4	1962.7
52.5°	1328.3	1325.5	1466.3	1642.2	1874.4	2219.5	2552.9	2610.3	2559.5	2548.4	1936.2
55°	722.7	748.1	843.0	1075.9	1365.8	1809.0	2225.8	2350.9	2409.7	2527.2	1983.9
57.5°	265.6	276.7	336.1	500.9	723.0	1124.9	1700.2	1889.0	2070.4	2468.1	1975.9
60°	107.1	109.2	132.8	184.2	303.8	572.5	1019.9	1187.5	1358.5	1889.3	1516.3
62.5°	77.9	80.6	90.0	107.8	153.6	250.3	439.7	511.3	559.0	935.8	747.0
65°	62.9	65.0	72.7	80.6	101.5	134.5	141.8	136.6	135.9	241.9	171.4
67.5°	52.1	54.2	59.8	65.4	73.0	67.1	48.7	51.1	41.7	41.4	33.7
70°	38.2	40.7	46.2	52.1	43.8	18.1	28.2	41.7	31.6	26.4	25.7
72.5°	28.9	30.6	35.8	34.1	12.9	7.0	18.8	30.2	24.3	19.5	19.1
75°	21.6	22.6	18.1	5.6	1.4	1.7	7.0	12.5	13.6	11.1	11.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.0	1.4	1.7	2.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	388.3	388.3	388.3	388.3	388.3	388.3	388.3	388.3	388.3	388.3	388.3
2.5°	396.3	381.7	360.8	343.4	330.2	317.4	307.6	297.9	297.6	292.7	291.7
5°	413.0	386.6	348.3	320.9	304.2	294.1	287.1	283.7	281.9	280.2	279.5
7.5°	437.0	399.1	346.2	317.0	303.1	296.5	291.7	289.6	288.5	287.1	286.8
10°	466.5	417.1	353.9	324.3	312.2	305.9	300.7	297.6	295.8	293.4	292.7
12.5°	502.0	439.4	366.0	336.5	323.6	315.3	308.3	303.8	301.4	298.3	297.6
15°	540.2	463.4	379.6	347.6	332.3	321.5	312.9	305.9	301.4	297.6	296.5
17.5°	579.8	487.7	391.8	355.3	336.5	323.6	311.1	301.7	296.2	291.3	289.9
20°	624.3	512.7	399.8	356.7	335.1	318.1	303.5	291.7	286.1	279.5	278.1
22.5°	670.9	536.0	403.2	353.5	327.5	307.6	292.0	279.8	271.8	264.9	262.8
25°	716.1	556.9	401.5	344.8	316.0	293.0	277.1	264.5	255.8	248.9	247.2
27.5°	764.1	574.3	395.2	332.0	300.3	277.1	261.8	251.0	243.0	235.3	233.6
30°	817.9	590.3	385.2	316.3	281.9	260.7	248.9	241.6	232.9	224.9	222.5
32.5°	883.0	604.5	370.6	297.6	265.6	246.5	239.9	234.3	224.2	215.9	214.1
35°	957.3	616.3	352.1	278.1	249.6	237.4	236.0	228.7	215.5	205.8	203.7
37.5°	1043.6	627.8	330.2	259.0	237.8	233.3	233.6	221.1	205.1	193.3	191.9
40°	1136.4	639.3	305.9	242.3	227.0	230.8	227.7	210.0	183.9	172.4	171.0
42.5°	1233.0	651.8	281.2	226.6	218.0	221.4	216.9	187.7	168.9	163.0	162.3
45°	1320.3	666.7	254.5	211.0	208.9	207.9	200.2	170.0	162.0	157.8	157.5
47.5°	1383.2	664.3	226.0	196.1	199.2	195.7	172.4	161.6	155.0	149.5	148.1
50°	1371.7	621.9	196.4	179.4	186.7	183.5	155.0	151.9	146.0	140.1	138.0
52.5°	1342.5	564.2	170.7	161.6	173.1	165.8	143.2	140.1	134.9	127.2	124.8
55°	1358.1	510.0	150.5	147.4	159.2	137.3	130.0	125.1	119.6	111.2	110.2
57.5°	1307.7	416.1	121.0	123.1	140.8	117.1	114.0	106.4	97.0	91.4	90.7
60°	905.2	223.5	75.8	78.2	101.9	98.4	102.2	95.2	83.8	78.6	77.5
62.5°	415.8	89.7	41.4	39.6	53.5	66.7	87.6	86.9	72.7	64.3	63.6
65°	100.8	41.0	29.5	27.8	30.2	40.0	57.0	68.5	58.7	49.0	48.0
67.5°	32.7	33.4	27.1	25.4	26.8	29.9	34.1	37.9	37.5	34.4	33.7
70°	26.1	30.2	25.0	22.9	22.9	24.0	22.9	18.4	16.0	17.4	18.1
72.5°	19.5	22.9	19.8	17.7	17.0	16.7	14.3	10.4	7.3	6.6	6.3
75°	11.5	12.9	12.2	10.4	9.7	8.7	7.0	4.5	2.4	1.7	1.0
77.5°	2.1	2.4	2.8	2.1	1.7	1.4	1.0	0.3	0.0	0.0	0.0
80°	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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)