

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: P630367

Luminaire Tested: GWS-SA1D-740-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-740-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6011.8 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

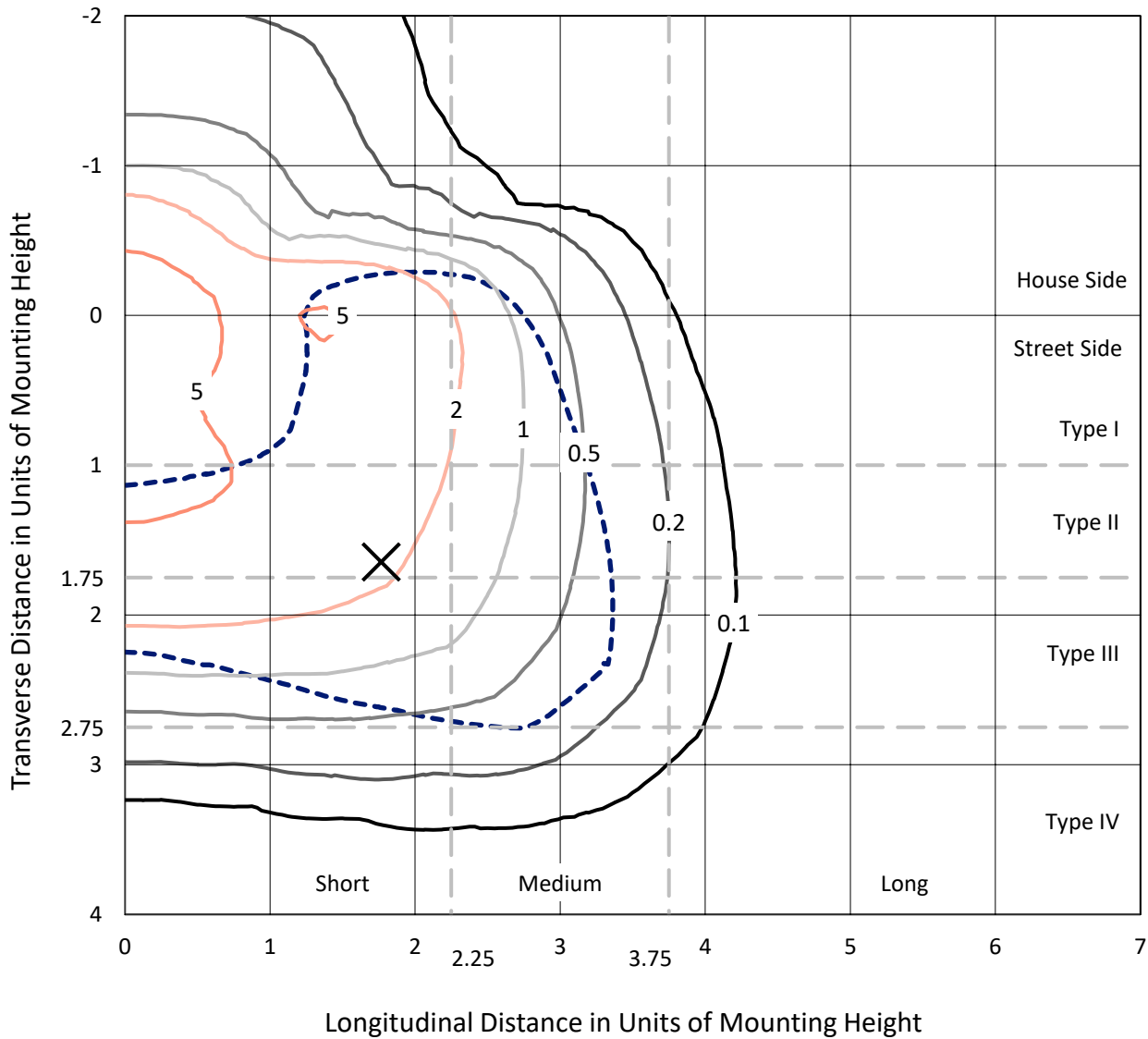
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

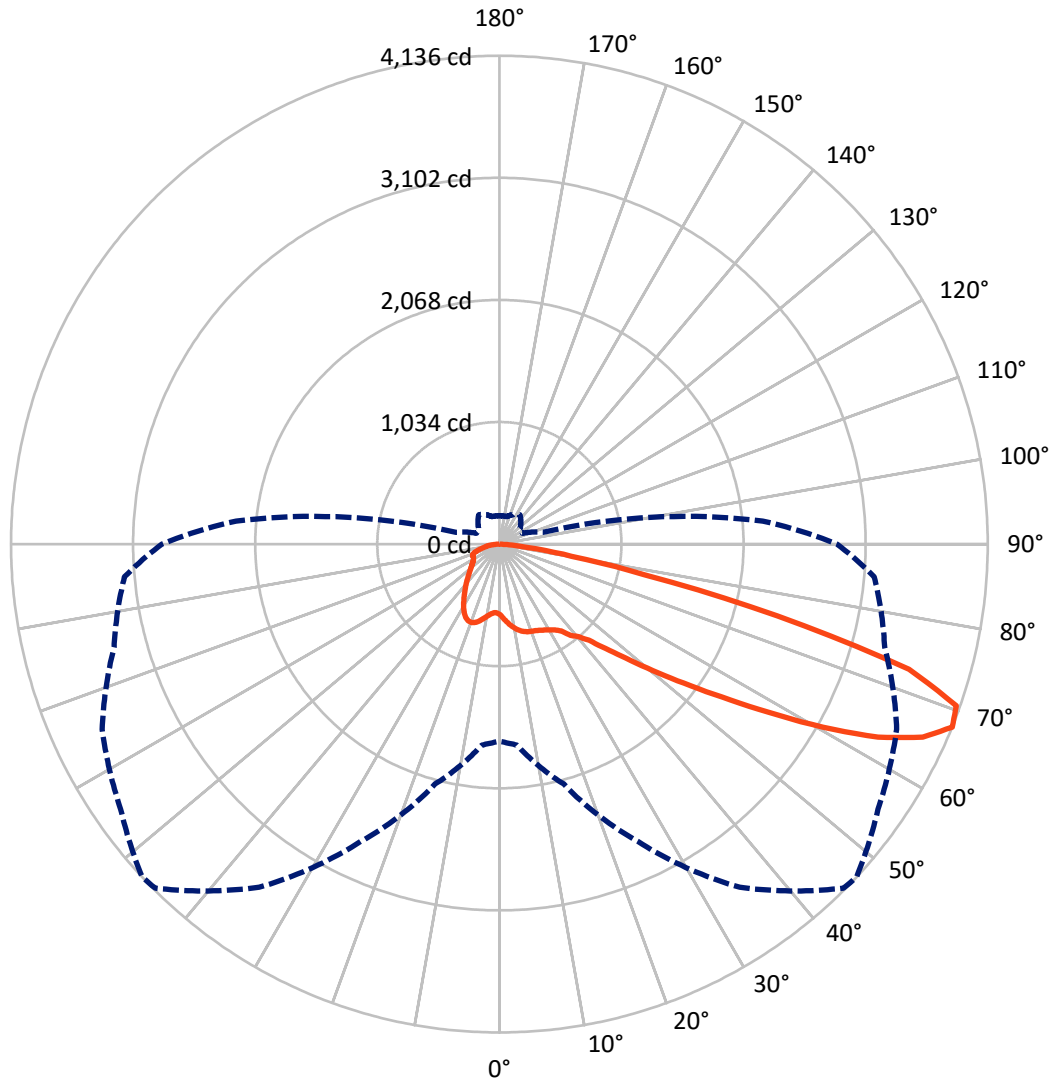
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1370.1	0.0	1370.1
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	4641.7	0.0	4641.7
	% Fixture	77.2	0.0	77.2
Total	Lumens	6011.8	0.0	6011.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.9	1.0
10°-20°	202.9	3.4
20°-30°	344.9	5.7
30°-40°	505.3	8.4
40°-50°	769.8	12.8
50°-60°	1377.4	22.9
60°-70°	1838.0	30.6
70°-80°	831.2	13.8
80°-90°	81.4	1.4
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°	6011.8	100.0
0°-180°	6011.8	100.0

Coefficient of Utilization



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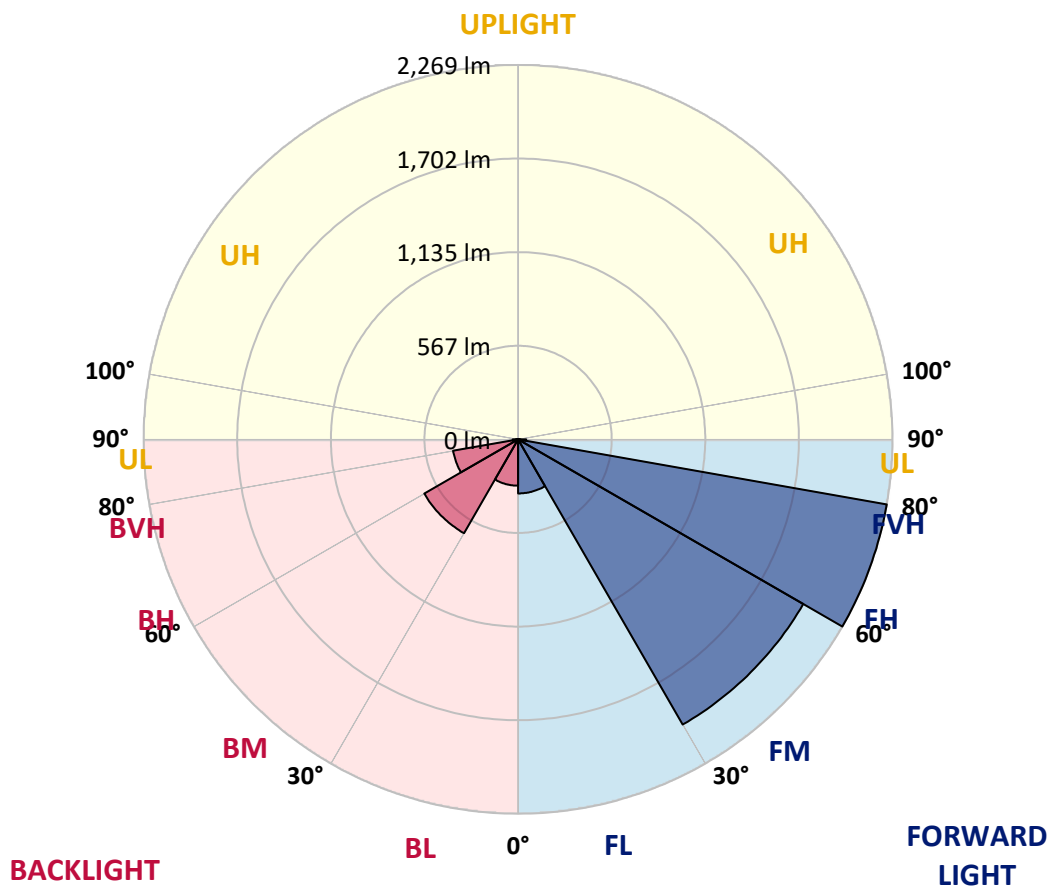
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	327.9	5.5			
FM (30°-60°)	1996.0	33.2			
FH (60°-80°)	2269.4	37.7			G2/5000
FVH (80°-90°)	48.4	0.8			G1/100
BL (0°-30°)	280.9	4.7	B1/500		
BM (30°-60°)	656.5	10.9	B1/1000		
BH (60°-80°)	399.8	6.6	B1/500		G1/500
BVH (80°-90°)	33.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	596.0	596.0	596.0	596.0	596.0	596.0	596.0	596.0	596.0	596.0	596.0
2.5°	635.5	637.7	637.3	633.8	631.6	627.7	628.1	622.0	612.9	606.8	599.9
5°	691.6	695.1	690.7	685.1	676.4	663.8	662.5	648.6	631.2	619.0	606.4
7.5°	740.3	742.5	737.2	727.7	715.1	698.1	695.1	678.6	656.8	637.7	619.4
10°	778.1	780.7	773.7	761.1	744.6	727.7	725.5	708.5	685.5	662.9	639.9
12.5°	810.3	811.1	803.7	786.8	769.0	751.6	749.4	733.8	712.5	689.4	664.2
15°	829.0	829.4	820.3	801.6	784.6	769.4	768.1	754.6	735.1	713.3	686.4
17.5°	827.6	828.5	822.0	805.5	790.7	781.6	780.3	771.6	756.4	736.8	709.8
20°	811.6	812.4	808.1	797.2	789.4	786.8	787.2	784.6	775.5	759.4	732.0
22.5°	799.0	800.3	796.4	788.5	787.7	793.7	795.0	796.4	792.0	777.7	751.1
25°	805.0	807.2	801.1	790.3	792.0	805.5	808.1	812.4	809.0	796.8	773.7
27.5°	847.2	848.5	832.9	810.7	805.5	819.8	823.7	830.7	828.1	816.8	799.0
30°	945.0	944.1	910.7	856.3	834.6	840.3	843.3	853.3	854.2	846.8	829.8
32.5°	1082.8	1078.5	1026.7	940.2	877.2	863.3	866.8	880.2	890.2	882.4	859.4
35°	1228.4	1224.5	1167.6	1066.3	955.9	907.6	903.7	914.2	929.4	907.6	874.6
37.5°	1367.1	1361.0	1302.8	1177.6	1052.8	985.4	979.8	969.4	960.2	918.5	893.3
40°	1521.0	1514.0	1463.2	1321.5	1159.8	1045.0	1030.6	989.4	981.1	954.6	942.0
42.5°	1685.3	1685.3	1643.1	1503.6	1288.9	1130.2	1111.5	1049.3	1058.0	1040.6	1025.9
45°	1849.6	1854.4	1820.9	1687.0	1461.4	1291.0	1261.0	1172.8	1193.7	1185.8	1178.4
47.5°	1989.6	1998.7	1992.2	1874.4	1672.7	1486.6	1441.0	1349.3	1394.0	1412.7	1433.6
50°	2140.4	2150.4	2143.9	2097.4	1920.0	1723.5	1682.7	1587.9	1664.9	1720.9	1789.2
52.5°	2364.3	2378.6	2324.3	2306.5	2220.4	1992.6	1956.1	1848.3	1987.8	2080.9	2233.0
55°	2553.4	2552.9	2533.8	2574.7	2542.9	2321.7	2281.3	2183.4	2361.7	2460.3	2682.9
57.5°	2641.2	2651.6	2717.2	2832.9	2896.3	2723.8	2685.1	2585.1	2762.9	2814.2	3054.6
60°	2686.4	2699.4	2826.4	3055.0	3225.8	3162.8	3147.6	3020.2	3120.2	3114.1	3368.0
62.5°	2622.9	2649.0	2852.9	3156.7	3461.0	3604.0	3599.2	3406.7	3424.1	3364.5	3562.3
65°	2331.7	2359.9	2679.9	3105.9	3595.3	3939.6	3940.9	3756.6	3657.5	3486.2	3529.7
67.5°	1667.5	1707.9	2103.5	2779.0	3547.9	4120.9	4136.1	3915.3	3712.3	3378.4	3187.1
70°	908.9	938.5	1248.4	2020.0	3121.1	4077.4	4105.6	3838.7	3470.6	2922.4	2453.4
72.5°	413.0	422.5	580.7	1108.5	2132.2	3509.7	3627.9	3425.8	2850.3	2158.7	1560.1
75°	189.1	193.4	253.0	530.3	1114.1	2348.6	2431.7	2551.6	1983.5	1363.2	813.3
77.5°	118.7	120.0	143.9	242.6	555.5	1172.4	1259.7	1519.2	1161.5	674.6	339.9
80°	70.0	71.3	89.5	131.3	260.8	536.4	619.4	600.7	546.0	291.2	154.7
82.5°	35.2	36.5	51.7	74.8	142.1	213.4	251.3	252.6	203.4	157.8	87.4
85°	12.6	13.0	17.0	29.6	60.4	70.4	78.7	96.1	99.5	91.7	42.2
87.5°	0.0	0.0	0.4	0.9	1.7	7.0	7.4	13.9	29.1	32.6	17.0
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°	596.0	596.0	596.0	596.0	596.0	596.0	596.0	596.0	596.0	596.0	596.0
2.5°	597.7	591.2	589.0	586.8	583.4	582.0	579.4	576.8	576.8	574.2	572.9
5°	600.7	592.0	586.4	583.8	581.6	582.9	582.9	583.8	586.8	585.1	586.0
7.5°	611.6	601.6	593.8	591.6	591.6	596.8	600.3	604.7	610.3	611.2	611.2
10°	630.7	619.0	610.7	609.4	611.6	619.0	624.2	629.4	636.4	636.8	637.7
12.5°	651.6	639.9	631.6	633.3	635.5	645.1	650.7	655.1	662.0	662.0	661.6
15°	673.3	660.3	653.3	656.8	663.3	674.2	675.1	675.5	679.0	678.1	677.7
17.5°	695.9	682.0	676.8	682.0	689.0	694.2	689.9	683.8	682.5	680.7	679.9
20°	718.1	703.8	701.6	705.5	707.7	703.3	689.9	678.6	673.3	670.7	669.9
22.5°	737.2	725.1	723.8	723.8	712.9	697.7	677.7	662.5	655.5	652.0	651.2
25°	759.8	748.5	746.4	734.6	706.8	679.0	652.0	638.1	632.5	630.7	631.2
27.5°	786.4	778.5	771.6	738.1	689.4	645.9	615.5	609.4	607.3	609.4	610.7
30°	819.0	811.1	795.5	733.8	661.6	602.9	573.8	573.4	579.9	585.5	586.4
32.5°	845.5	842.0	816.3	719.8	622.5	555.5	530.8	532.5	544.2	552.1	553.4
35°	866.3	872.0	833.7	696.8	576.0	510.8	491.2	492.1	498.6	509.5	509.9
37.5°	895.9	915.0	849.4	661.6	522.5	472.1	454.3	447.7	446.9	449.9	450.8
40°	955.4	984.1	860.7	610.3	470.8	437.3	417.3	404.7	393.8	385.6	383.0
42.5°	1045.4	1078.5	867.2	548.1	424.7	403.0	380.4	364.3	345.1	327.8	321.7
45°	1210.6	1221.5	867.2	482.1	383.8	370.8	348.2	329.1	304.7	284.3	279.9
47.5°	1474.9	1440.1	868.1	418.2	347.8	342.5	323.0	301.2	274.3	257.3	254.7
50°	1873.1	1750.9	885.9	365.1	317.8	318.6	304.3	280.4	256.0	243.4	241.3
52.5°	2324.3	2133.9	933.7	326.0	292.5	299.1	291.2	268.2	246.5	235.6	233.4
55°	2748.5	2486.0	974.6	298.2	271.2	282.5	282.1	260.8	241.3	230.4	229.1
57.5°	3109.3	2727.2	968.5	275.6	253.0	267.3	273.9	256.0	237.8	228.6	227.3
60°	3333.6	2855.0	882.0	254.7	239.1	256.5	269.1	254.7	239.5	237.3	237.8
62.5°	3431.0	2831.6	715.9	239.1	230.0	251.3	274.3	263.9	255.6	260.8	263.9
65°	3279.7	2629.9	526.8	227.3	221.3	252.6	286.5	278.2	255.6	259.1	260.4
67.5°	2859.8	2238.7	380.8	215.6	210.4	256.5	303.8	276.0	240.8	240.8	238.2
70°	2060.9	1610.1	276.5	203.9	199.5	250.8	304.7	261.2	223.9	222.6	216.0
72.5°	1240.2	949.8	215.6	190.8	183.0	222.6	285.6	243.9	207.3	196.5	188.7
75°	644.2	476.0	180.8	176.5	156.9	188.7	261.2	216.9	177.4	167.8	163.4
77.5°	276.0	222.6	155.2	157.4	130.4	158.7	210.8	187.8	157.4	145.2	141.3
80°	136.1	126.5	122.6	126.1	104.3	122.6	181.7	164.3	133.4	119.5	113.9
82.5°	77.8	73.9	88.2	89.5	74.3	102.6	153.4	139.1	110.4	95.2	86.1
85°	36.1	38.7	53.5	53.9	46.1	70.4	100.4	78.2	58.7	48.7	46.5
87.5°	14.3	17.0	23.5	23.0	13.5	13.0	8.7	4.8	3.9	3.5	3.0
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)