

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: P629947

Luminaire Tested: GWS-SA1C-760-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629947
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-760-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4765.4 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

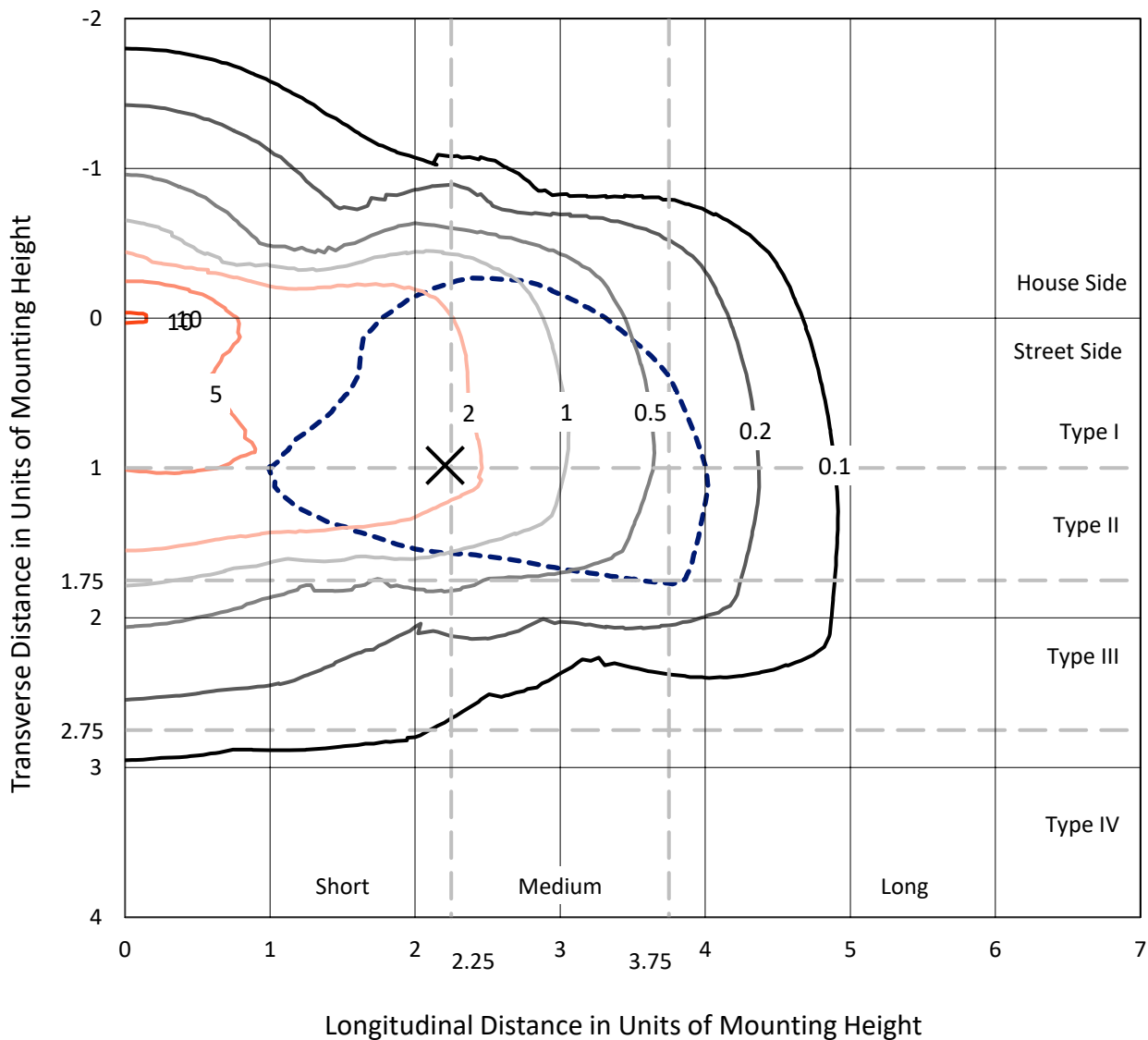
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

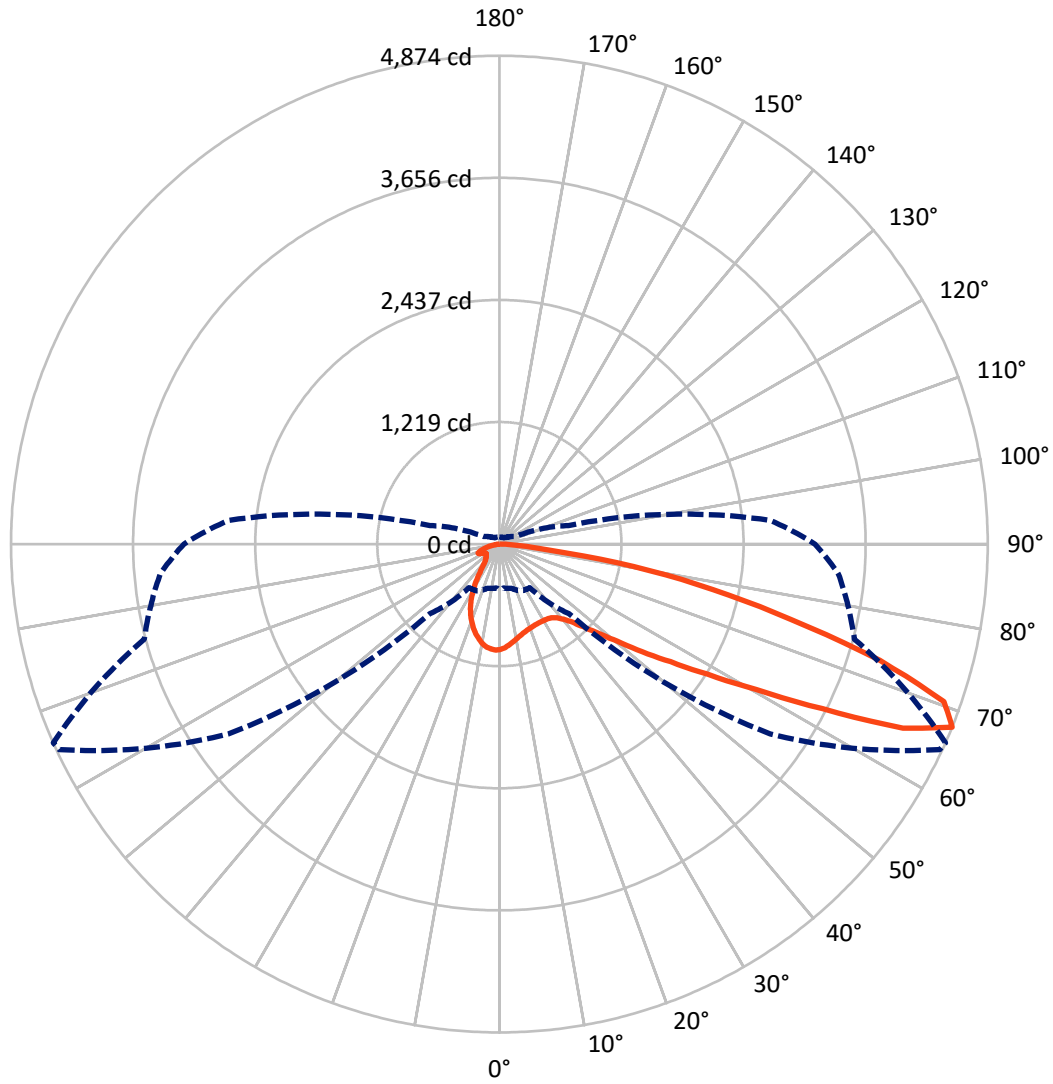
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	967.0	0.0	967.0
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	3798.4	0.0	3798.4
	% Fixture	79.7	0.0	79.7
Total	Lumens	4765.4	0.0	4765.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	1.9
10°-20°	227.1	4.8
20°-30°	312.2	6.6
30°-40°	426.8	9.0
40°-50°	646.7	13.6
50°-60°	1005.4	21.1
60°-70°	1224.0	25.7
70°-80°	745.6	15.6
80°-90°	85.2	1.8
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°	4765.4	100.0
0°-180°	4765.4	100.0

Coefficient of Utilization



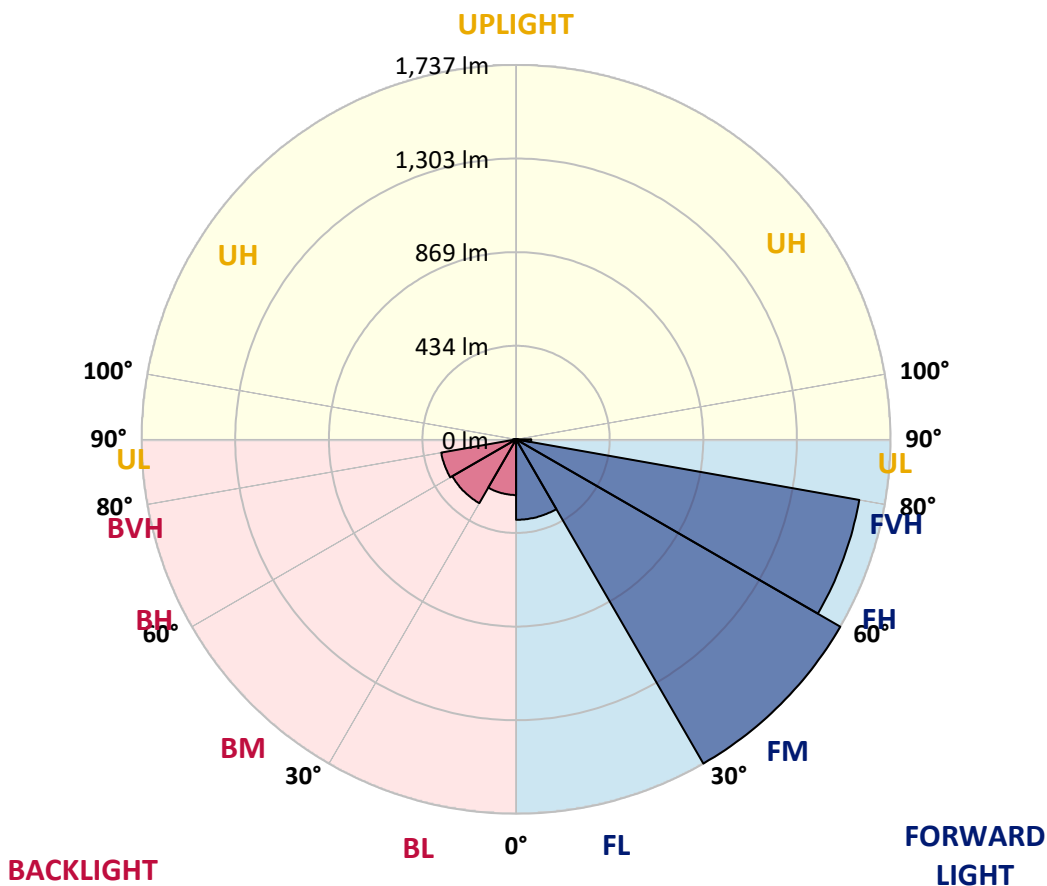
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	373.4	7.8			
FM (30°-60°)	1737.2	36.5			
FH (60°-80°)	1617.0	33.9			G1/1800
FVH (80°-90°)	70.8	1.5			G1/100
BL (0°-30°)	258.3	5.4	B1/500		
BM (30°-60°)	341.7	7.2	B1/1000		
BH (60°-80°)	352.6	7.4	B1/500		G1/500
BVH (80°-90°)	14.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0
2.5°	986.3	989.7	987.7	1000.9	1001.6	1018.3	1027.6	1035.6	1036.3	1046.8	1053.7
5°	918.8	920.9	920.9	933.4	941.8	964.0	985.6	1008.5	1010.3	1035.3	1054.4
7.5°	864.2	866.3	864.9	881.6	892.4	917.1	944.6	979.7	983.1	1023.5	1056.8
10°	821.5	820.8	824.3	839.6	853.5	883.0	913.6	953.6	958.8	1009.9	1059.6
12.5°	792.3	793.0	795.1	811.1	826.0	855.2	886.8	930.3	935.9	994.3	1058.2
15°	778.4	777.0	778.7	793.3	807.6	833.3	866.0	910.8	916.4	980.4	1058.6
17.5°	775.2	774.2	773.9	784.3	795.1	819.1	850.3	895.9	901.8	971.3	1060.7
20°	785.0	783.6	779.8	784.3	788.8	809.0	839.2	885.1	891.7	965.4	1064.8
22.5°	811.8	809.3	803.4	797.8	791.9	804.1	832.3	877.1	883.7	961.6	1069.0
25°	852.4	850.3	844.1	831.6	810.0	807.9	830.9	873.6	880.2	958.8	1070.7
27.5°	908.4	905.3	899.0	880.9	845.8	822.2	836.1	873.3	879.5	955.7	1069.0
30°	974.8	972.7	969.2	947.3	900.4	852.4	847.9	876.1	880.9	953.9	1065.5
32.5°	1042.2	1040.2	1042.9	1032.5	974.8	902.5	873.6	883.7	887.2	953.6	1062.4
35°	1101.7	1104.1	1124.3	1126.0	1069.4	970.3	914.3	901.4	902.1	960.5	1063.8
37.5°	1163.9	1173.3	1199.7	1222.3	1175.0	1060.0	974.8	934.8	934.1	978.3	1072.5
40°	1246.3	1250.5	1284.2	1326.6	1297.1	1183.0	1060.7	989.4	984.5	1014.4	1095.8
42.5°	1326.6	1336.7	1390.6	1439.3	1429.5	1321.7	1168.8	1071.1	1062.4	1078.4	1143.8
45°	1428.8	1438.6	1499.0	1561.6	1579.4	1478.5	1307.1	1187.2	1178.5	1174.7	1231.7
47.5°	1531.0	1541.1	1595.3	1685.7	1748.0	1674.6	1487.2	1340.5	1326.3	1311.3	1364.5
50°	1599.9	1611.7	1663.5	1771.9	1918.0	1919.4	1700.7	1541.5	1523.4	1499.7	1551.5
52.5°	1597.4	1605.1	1654.4	1779.6	2040.3	2200.6	1986.4	1797.3	1782.7	1731.3	1776.5
55°	1471.9	1483.4	1533.1	1689.6	2053.5	2467.2	2406.4	2099.1	2073.0	1980.9	2030.6
57.5°	1219.9	1229.6	1279.7	1472.6	1936.4	2603.9	2939.7	2483.6	2447.8	2252.7	2310.1
60°	920.9	909.1	932.7	1101.7	1656.2	2607.3	3410.4	3005.0	2945.3	2543.4	2591.3
62.5°	691.1	679.3	684.5	732.1	1122.9	2396.7	3678.8	3718.4	3619.7	2871.6	2862.2
65°	546.2	539.5	554.5	587.2	654.6	1825.1	3680.9	4489.8	4427.6	3251.9	3139.9
67.5°	445.0	440.8	456.1	516.6	530.9	980.7	3300.5	4850.0	4874.3	3668.4	3397.5
70°	358.4	352.2	376.2	455.8	493.7	593.4	2364.3	4666.4	4705.7	3916.6	3324.9
72.5°	247.5	247.9	260.0	369.2	476.6	512.4	1337.4	3885.6	3970.8	3691.6	2923.0
75°	166.9	168.3	171.7	243.7	439.1	497.1	712.7	2941.8	3001.9	3051.3	2416.1
77.5°	100.8	101.5	109.5	147.4	302.8	464.1	482.9	2132.5	2179.7	2011.5	1497.7
80°	58.4	60.8	68.1	98.7	204.4	348.7	373.7	1307.5	1361.0	894.1	475.9
82.5°	25.7	27.5	37.2	57.4	119.2	296.5	291.7	516.6	509.0	249.3	165.1
85°	4.5	5.6	8.0	18.1	43.8	156.4	226.3	228.1	214.5	94.6	68.5
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	34.1	61.2	60.8	26.8	23.6
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°	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0	1053.0
2.5°	1058.2	1048.8	1057.2	1058.2	1056.5	1055.1	1044.7	1035.6	1034.6	1024.9	1024.9
5°	1062.1	1053.4	1057.5	1049.5	1037.0	1024.2	1001.9	986.6	979.7	967.1	967.1
7.5°	1067.3	1058.2	1053.4	1033.5	1004.3	976.2	940.4	910.5	898.3	880.6	879.9
10°	1072.1	1060.7	1044.0	1005.4	958.8	914.0	861.8	819.4	790.5	769.3	769.3
12.5°	1071.8	1056.8	1023.8	966.8	902.5	837.5	767.9	704.0	665.7	632.7	630.6
15°	1071.1	1050.6	998.1	922.0	836.8	746.7	652.2	568.7	512.1	479.8	477.0
17.5°	1070.4	1042.6	969.2	870.9	756.8	634.1	509.3	418.9	371.6	351.8	352.5
20°	1070.4	1033.5	938.3	812.1	664.7	499.2	373.7	308.0	296.2	297.2	298.3
22.5°	1067.3	1022.4	903.9	748.1	562.1	367.1	275.7	253.4	259.7	269.4	270.8
25°	1060.0	1004.0	863.9	677.2	440.1	267.3	224.9	220.8	232.2	244.4	247.9
27.5°	1048.5	982.8	819.1	594.1	324.0	214.8	197.8	197.5	206.5	215.5	218.7
30°	1036.3	959.2	771.8	501.7	234.7	187.0	180.4	180.4	184.9	190.5	189.8
32.5°	1022.1	935.2	721.0	405.4	191.2	171.4	169.3	168.3	169.0	171.0	171.0
35°	1009.9	914.0	668.9	303.5	171.4	162.7	160.6	158.2	157.1	155.7	156.4
37.5°	1005.4	897.3	615.0	228.8	161.7	156.4	153.0	149.5	147.1	146.4	146.0
40°	1012.7	890.3	561.1	188.4	154.7	149.8	146.0	141.5	139.4	139.4	139.4
42.5°	1041.2	895.5	506.2	170.3	149.8	144.3	138.7	134.5	133.8	134.5	134.9
45°	1093.3	915.7	449.2	161.3	145.7	138.7	132.1	129.0	129.0	129.7	129.7
47.5°	1186.5	968.5	392.8	155.7	141.5	134.2	127.2	124.1	123.8	124.5	124.5
50°	1347.8	1063.8	342.1	151.9	138.4	130.7	123.8	119.6	118.5	118.2	118.2
52.5°	1551.2	1228.9	309.8	149.1	134.5	126.9	119.9	114.4	112.3	111.2	111.2
55°	1797.0	1449.0	309.8	147.1	129.7	122.4	114.4	108.8	105.7	104.3	104.3
57.5°	2075.4	1705.2	363.3	145.3	125.8	117.2	108.5	102.9	99.4	97.3	97.3
60°	2358.8	1976.0	495.7	142.9	122.4	110.6	101.9	96.6	92.1	89.7	89.3
62.5°	2652.5	2274.3	670.3	144.3	119.9	104.3	94.9	89.0	85.2	82.7	82.4
65°	2921.6	2558.3	822.9	155.0	120.3	98.7	86.9	81.7	78.6	75.4	75.1
67.5°	3150.0	2715.1	715.8	177.0	127.6	92.1	78.9	73.7	70.9	68.8	68.5
70°	2990.1	2475.9	406.0	190.5	137.7	85.2	69.9	66.4	63.6	62.2	61.9
72.5°	2556.9	2096.3	271.5	168.3	125.5	76.1	61.5	58.8	56.7	54.9	54.6
75°	2071.3	1662.4	207.5	138.0	97.7	61.9	52.8	50.8	48.7	46.9	46.6
77.5°	1225.5	960.5	153.0	109.2	68.8	48.3	43.8	42.1	40.0	38.6	38.2
80°	391.1	333.7	97.0	75.1	45.5	37.2	33.7	32.3	30.2	28.5	28.2
82.5°	149.1	129.0	51.5	38.2	30.2	25.4	22.6	21.2	19.8	18.1	17.7
85°	66.1	61.9	28.5	20.5	16.3	12.5	11.1	10.4	8.7	7.3	7.0
87.5°	23.3	23.3	12.2	5.9	3.5	1.7	1.0	0.3	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)