

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: P632338

Luminaire Tested: GWS-SA2C-740-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632338
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-740-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6794.7 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

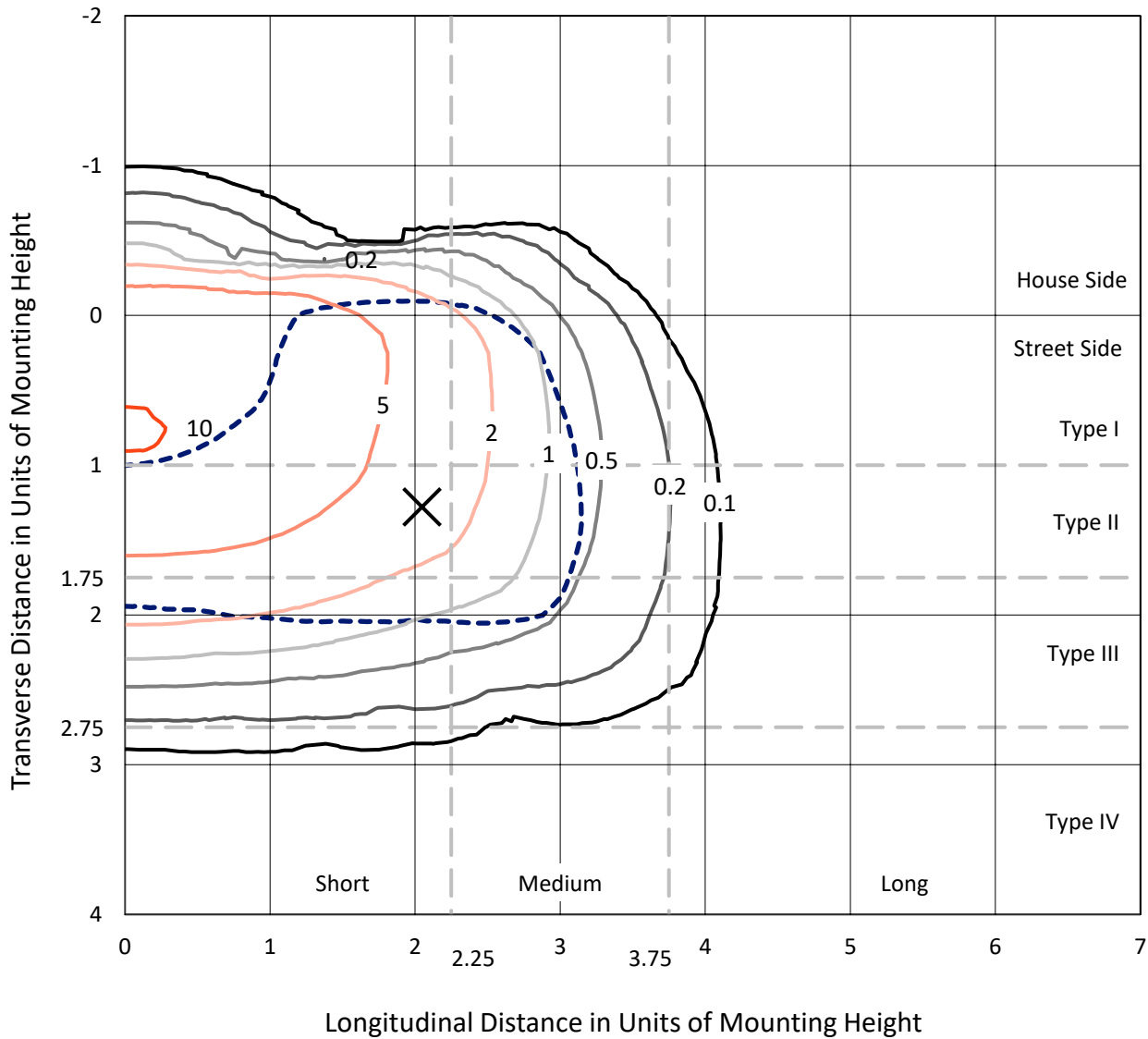
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632338
 CATALOG NUMBER: GWS-SA2C-740-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

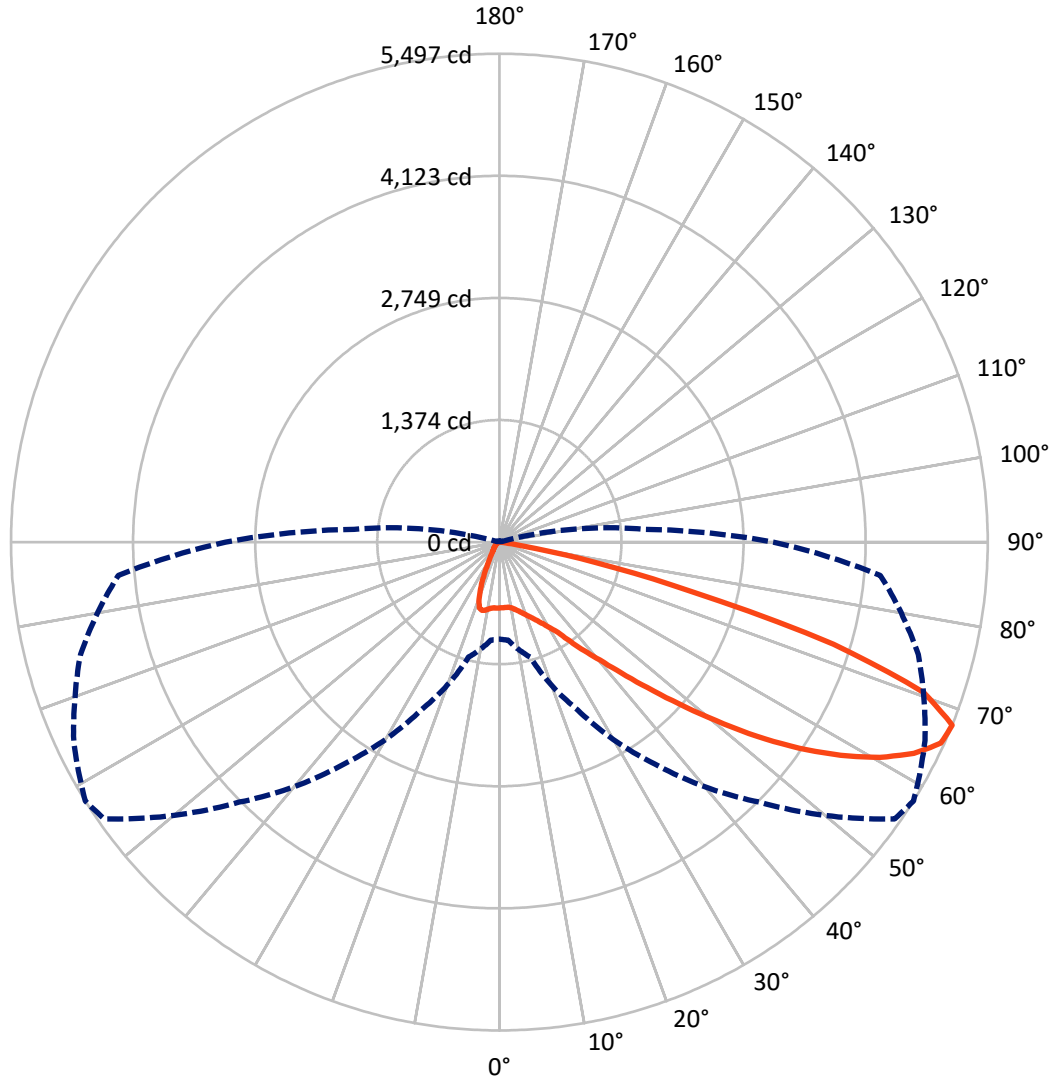
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
 Type III - Short - N/A

REPORT NUMBER: P632338
CATALOG NUMBER: GWS-SA2C-740-U-T3-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P632338

CATALOG NUMBER: GWS-SA2C-740-U-T3-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	741.3	0.0	741.3
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	6053.4	0.0	6053.4
	% Fixture	89.1	0.0	89.1
Total	Lumens	6794.7	0.0	6794.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	1.0
10°-20°	195.3	2.9
20°-30°	340.9	5.0
30°-40°	608.8	9.0
40°-50°	1112.7	16.4
50°-60°	1850.5	27.2
60°-70°	2010.0	29.6
70°-80°	590.2	8.7
80°-90°	16.8	0.2
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°	6794.7	100.0
0°-180°	6794.7	100.0

Coefficient of Utilization



REPORT NUMBER: P632338

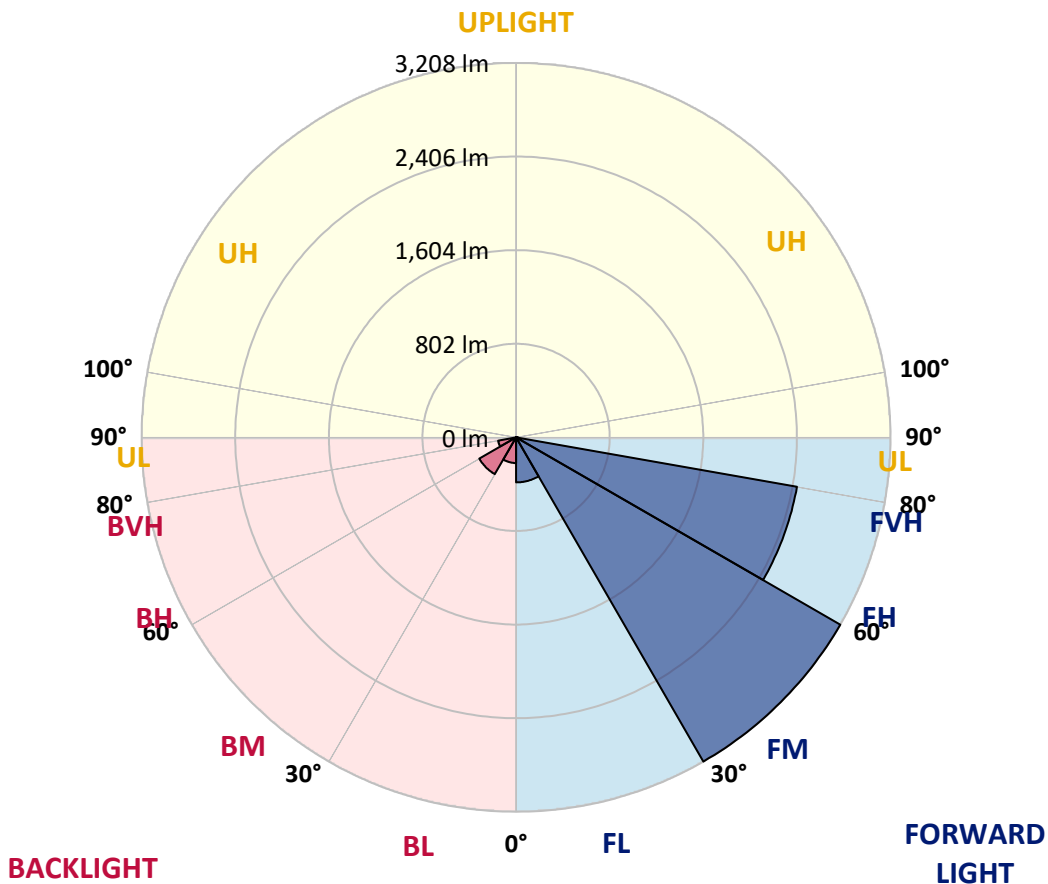
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	385.8	5.7			
FM (30°-60°)	3207.9	47.2			
FH (60°-80°)	2443.7	36.0			G2/5000
FVH (80°-90°)	16.0	0.2			G1/100
BL (0°-30°)	219.9	3.2	B1/500		
BM (30°-60°)	364.1	5.4	B1/1000		
BH (60°-80°)	156.5	2.3	B1/500		G1/500
BVH (80°-90°)	0.8	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 III Short





REPORT NUMBER: P632338

CATALOG NUMBER: GWS-SA2C-740-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	740.4	740.4	740.4	740.4	740.4	740.4	740.4	740.4	740.4	740.4	740.4
2.5°	726.5	725.2	725.2	730.5	731.1	733.8	739.8	740.4	743.7	742.4	737.8
5°	688.7	689.3	693.3	702.6	710.6	720.5	735.1	738.4	745.7	749.7	747.1
7.5°	653.5	654.2	660.1	674.7	690.0	709.9	733.8	740.4	755.0	765.6	766.3
10°	640.2	639.6	645.5	662.1	682.0	709.9	744.4	753.0	774.9	793.5	796.8
12.5°	644.2	643.6	649.5	664.8	686.7	721.8	763.0	774.9	802.8	831.3	837.3
15°	660.1	659.5	663.5	676.1	699.9	736.4	786.9	804.8	839.9	874.4	883.7
17.5°	707.9	704.6	700.6	701.9	715.9	753.7	817.4	839.3	883.1	924.2	932.2
20°	792.8	784.2	773.6	759.7	753.0	778.9	852.5	877.8	930.8	977.9	979.3
22.5°	920.9	917.6	893.0	852.5	824.0	824.7	893.7	922.9	987.9	1039.6	1032.3
25°	1099.4	1097.4	1059.5	993.2	918.9	893.7	946.1	975.9	1055.6	1110.6	1087.4
27.5°	1320.9	1307.0	1262.6	1173.0	1062.2	983.2	1012.4	1039.0	1127.2	1179.0	1135.2
30°	1514.0	1514.7	1472.9	1379.3	1254.6	1117.9	1093.4	1116.6	1192.9	1247.3	1194.2
32.5°	1699.8	1705.8	1660.0	1575.7	1439.0	1293.7	1209.5	1213.5	1277.2	1336.2	1271.8
35°	1872.3	1876.9	1845.1	1773.4	1646.0	1477.5	1371.4	1369.4	1403.9	1464.3	1380.0
37.5°	2065.3	2070.0	2038.8	1974.5	1855.0	1687.8	1555.1	1552.5	1566.4	1615.5	1519.3
40°	2271.0	2279.6	2245.1	2190.7	2076.6	1935.3	1768.8	1744.9	1731.0	1788.7	1699.8
42.5°	2479.3	2492.6	2480.7	2426.3	2328.7	2212.0	2046.1	2009.0	1979.1	2051.4	1957.2
45°	2738.1	2754.0	2748.7	2706.9	2631.3	2536.4	2379.8	2336.7	2322.8	2389.8	2277.7
47.5°	2986.9	3004.1	3023.4	3014.1	2960.4	2916.6	2742.7	2718.2	2714.2	2785.9	2612.0
50°	3172.0	3187.9	3261.6	3314.6	3351.1	3341.8	3191.2	3154.7	3148.8	3194.6	2965.0
52.5°	3304.7	3319.9	3421.5	3587.3	3721.3	3794.3	3642.4	3634.4	3601.9	3586.0	3295.4
55°	3407.5	3428.8	3535.6	3786.4	4056.4	4218.3	4123.4	4094.9	4011.3	3919.7	3601.9
57.5°	3428.1	3436.7	3587.3	3925.7	4316.5	4578.5	4578.5	4528.8	4367.5	4240.8	3956.2
60°	3243.6	3270.2	3473.9	3914.4	4427.9	4814.1	4956.0	4921.5	4703.9	4548.0	4297.2
62.5°	2834.3	2864.1	3112.3	3644.4	4316.5	4862.5	5242.0	5236.7	4991.2	4802.1	4579.9
65°	2173.5	2195.4	2411.7	3048.6	3845.4	4676.1	5446.3	5460.9	5218.1	4970.0	4677.4
67.5°	1092.1	1107.3	1340.8	2082.6	3047.9	4139.3	5432.4	5497.4	5287.1	4881.1	4305.2
70°	381.5	396.7	506.9	893.7	1855.0	3160.7	4962.7	5068.8	4881.7	4166.5	3176.0
72.5°	130.7	138.0	210.3	331.7	721.8	1873.6	3773.7	3933.6	3598.6	2797.1	1825.2
75°	74.3	79.0	112.8	179.8	302.5	616.4	2141.0	2239.2	2097.9	1524.6	751.0
77.5°	50.4	54.4	70.3	102.2	167.2	198.4	873.1	1099.4	958.7	497.6	191.7
80°	29.9	32.5	43.1	60.4	85.6	77.0	187.1	248.8	320.5	148.6	57.7
82.5°	13.9	15.9	27.9	39.8	43.1	32.5	55.1	67.0	90.2	73.0	23.9
85°	0.0	0.0	9.3	16.6	15.9	9.3	15.3	16.6	24.5	36.5	9.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.0	4.0	7.3	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



REPORT NUMBER: P632338
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	740.4	740.4	740.4	740.4	740.4	740.4	740.4	740.4	740.4	740.4	740.4
2.5°	743.1	738.4	743.7	741.1	743.7	743.1	737.8	734.4	734.4	728.5	726.5
5°	752.4	747.7	749.0	743.1	741.7	738.4	731.8	729.1	729.1	723.2	721.2
7.5°	772.9	765.6	764.3	752.4	747.1	737.8	725.8	721.2	720.5	714.5	712.6
10°	805.4	796.8	790.8	775.6	760.3	741.7	716.5	695.3	683.4	667.4	666.1
12.5°	845.2	834.6	825.3	802.1	776.9	735.1	660.8	583.2	535.4	497.6	500.2
15°	889.7	879.7	865.1	830.0	778.2	669.4	514.2	394.8	336.4	305.2	303.9
17.5°	938.1	923.5	899.6	851.9	736.4	511.5	334.4	236.2	205.7	195.1	192.4
20°	983.2	965.3	935.5	856.5	615.7	346.3	209.0	183.1	177.8	174.5	174.5
22.5°	1031.0	1008.5	964.0	820.7	457.8	221.6	177.8	171.8	167.9	163.2	162.5
25°	1079.4	1050.3	989.9	727.2	299.9	174.5	166.5	159.9	152.6	145.3	143.3
27.5°	1120.6	1082.8	1009.8	587.8	192.4	157.2	151.9	140.7	130.7	122.7	121.4
30°	1169.7	1121.2	1018.4	429.9	151.3	138.7	130.7	118.8	106.8	98.9	96.2
32.5°	1235.4	1182.3	1005.1	280.0	134.0	122.1	109.5	95.5	83.6	75.0	73.6
35°	1337.5	1274.5	944.1	178.5	121.4	105.5	90.2	75.6	65.7	59.0	57.7
37.5°	1462.3	1403.9	843.9	134.0	108.8	91.6	73.6	59.7	52.4	47.8	46.4
40°	1647.4	1565.8	719.9	117.4	96.2	77.6	60.4	49.1	43.8	39.8	38.5
42.5°	1887.5	1756.8	577.2	106.8	84.3	65.0	49.1	40.5	35.8	33.2	32.5
45°	2168.2	1943.3	426.6	96.2	73.0	53.7	40.5	33.2	29.9	27.9	27.2
47.5°	2455.5	2106.5	294.6	84.9	62.4	44.5	33.8	28.5	25.9	23.2	22.6
50°	2762.0	2244.5	201.0	73.6	53.1	36.5	29.2	25.9	22.6	20.6	19.9
52.5°	2986.9	2295.6	140.0	63.7	45.1	31.2	25.9	23.2	20.6	17.9	17.2
55°	3194.6	2294.2	106.2	53.7	38.5	27.2	23.2	20.6	17.9	15.9	15.3
57.5°	3401.5	2276.3	83.6	45.8	33.2	24.5	20.6	17.9	16.6	13.9	13.3
60°	3535.6	2208.7	65.0	38.5	28.5	21.2	17.9	15.9	13.9	11.9	11.3
62.5°	3606.6	2114.4	49.8	30.5	23.2	18.6	15.9	13.9	11.9	10.0	9.3
65°	3510.4	1947.2	39.1	23.9	17.9	15.9	13.3	11.3	9.3	7.3	6.6
67.5°	3083.8	1642.1	30.5	19.2	13.9	11.9	11.3	9.3	6.6	5.3	4.6
70°	2179.5	1124.6	23.9	14.6	10.6	9.3	8.6	7.3	5.3	4.0	3.3
72.5°	1196.2	567.3	17.2	10.6	8.0	7.3	6.6	6.0	4.6	3.3	3.3
75°	460.4	155.9	12.6	7.3	5.3	5.3	4.6	4.6	4.0	2.7	2.7
77.5°	120.1	46.4	8.0	4.6	3.3	3.3	3.3	2.7	2.7	2.0	2.0
80°	38.5	15.3	4.6	3.3	2.7	2.0	2.0	1.3	2.0	1.3	1.3
82.5°	12.6	5.3	2.7	2.7	2.0	1.3	1.3	0.7	0.7	0.0	0.0
85°	4.6	2.7	2.0	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0
87.5°	2.7	1.3	1.3	1.3	1.3	0.7	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)