

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: P634428

Luminaire Tested: GWS-SA3B-760-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634428
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-SA3B-760-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7704.2 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

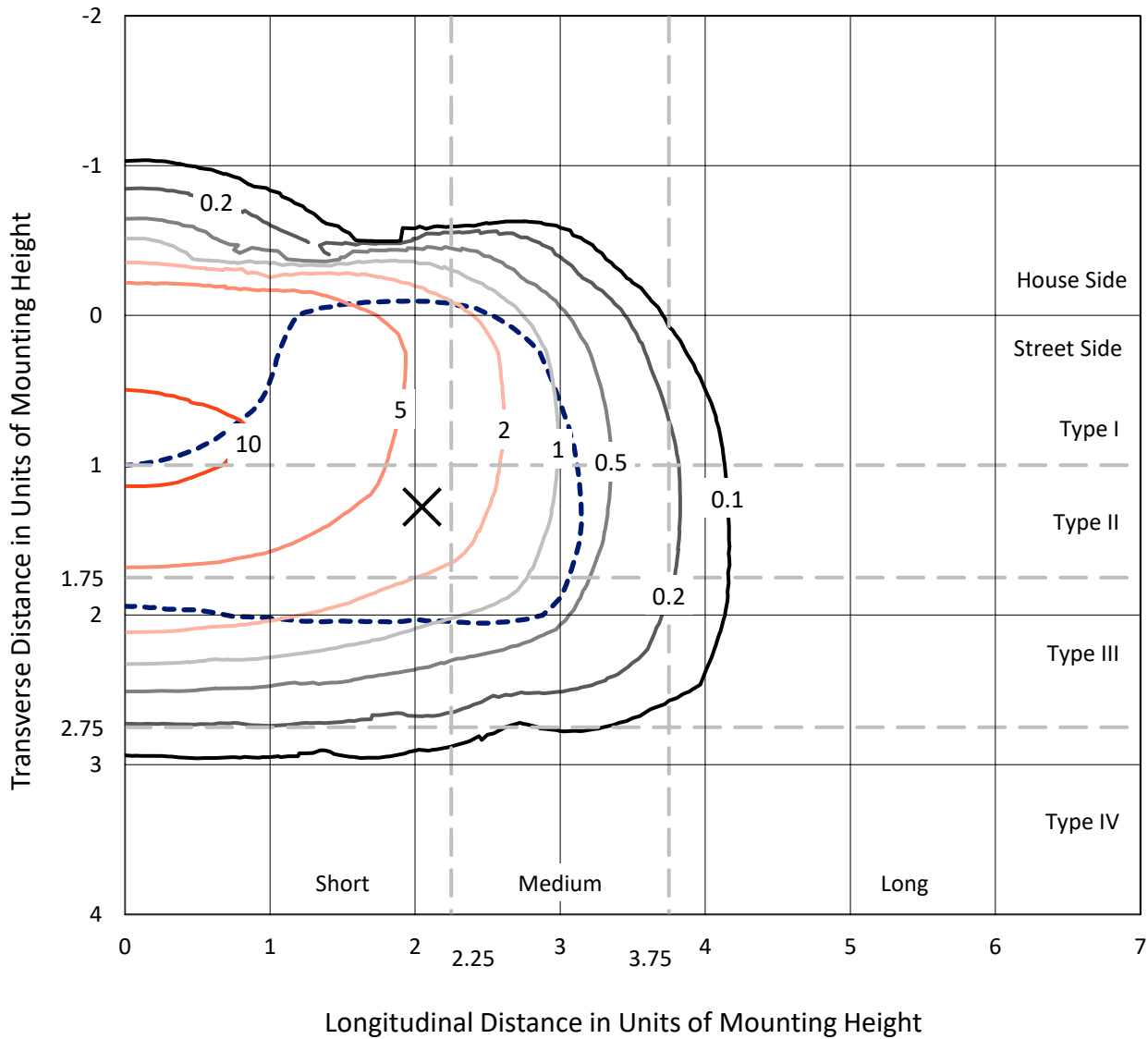
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634428
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Iso-Footcandle Lines of Horizontal Illumination

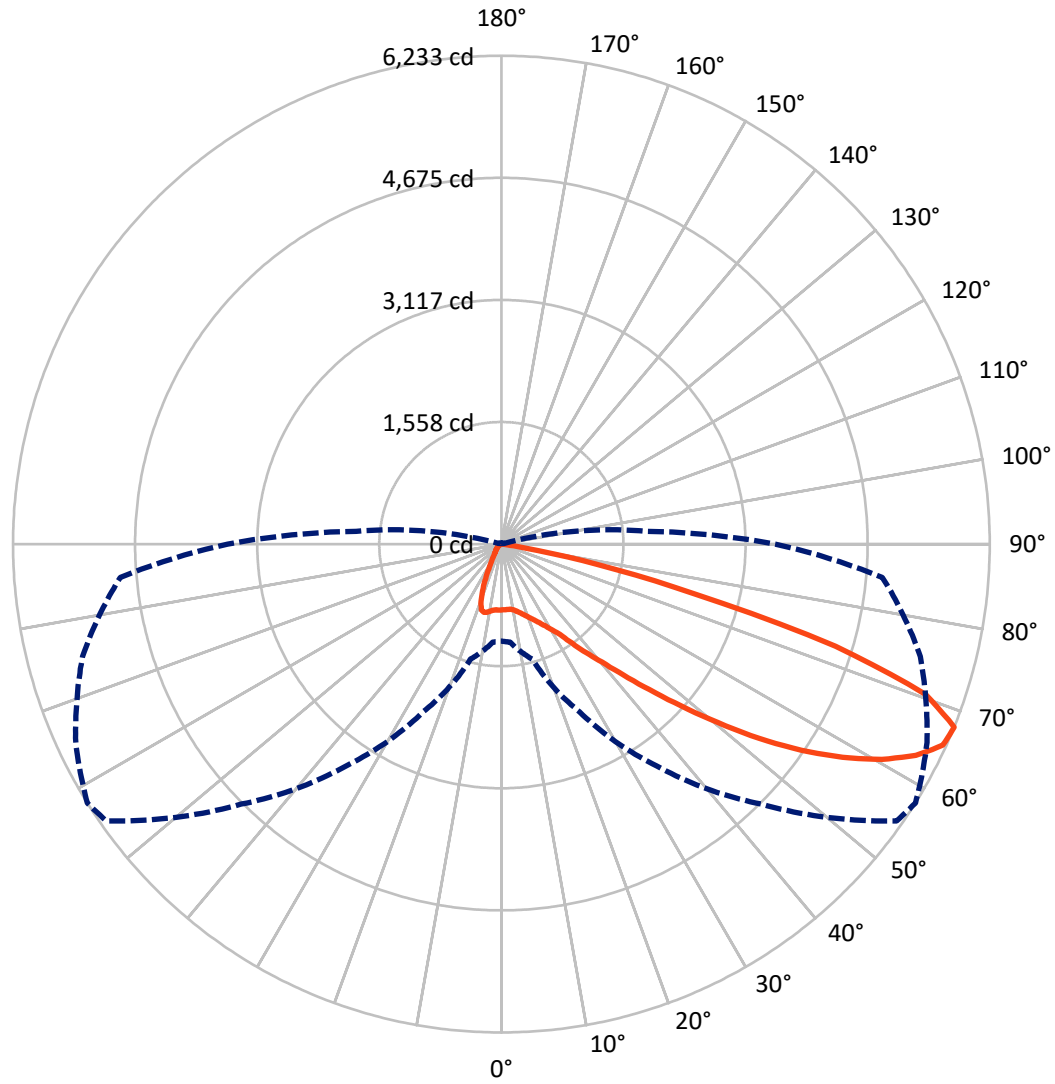
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type III - Short - N/A

REPORT NUMBER: P634428
CATALOG NUMBER: GWS-SA3B-760-U-T3-W-HSS

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA3B-760-U-T3-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	840.5	0.0	840.5
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	6863.7	0.0	6863.7
	% Fixture	89.1	0.0	89.1
Total	Lumens	7704.2	0.0	7704.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.9	1.0
10°-20°	221.4	2.9
20°-30°	386.5	5.0
30°-40°	690.3	9.0
40°-50°	1261.6	16.4
50°-60°	2098.2	27.2
60°-70°	2279.1	29.6
70°-80°	669.2	8.7
80°-90°	19.1	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°	7704.2	100.0
0°-180°	7704.2	100.0

Coefficient of Utilization



REPORT NUMBER: P634428

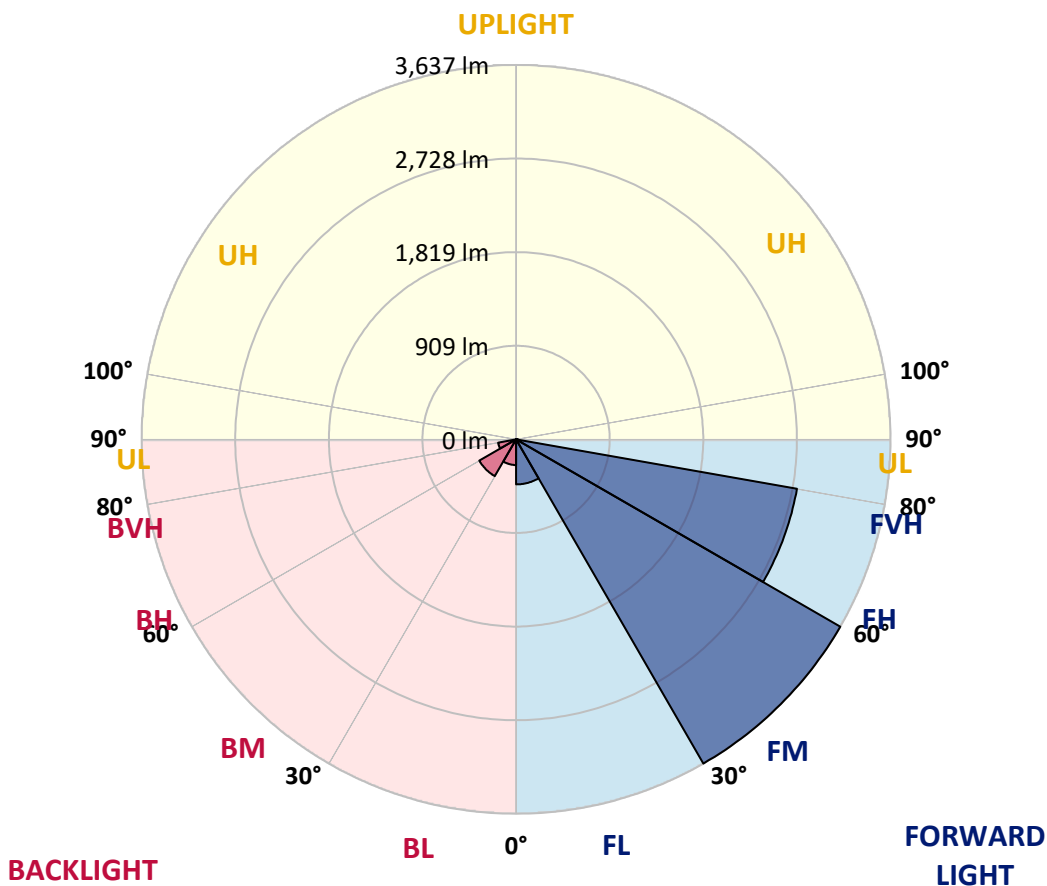
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	437.5	5.7			
FM (30°-60°)	3637.3	47.2			
FH (60°-80°)	2770.8	36.0			G2/5000
FVH (80°-90°)	18.1	0.2			G1/100
BL (0°-30°)	249.3	3.2	B1/500		
BM (30°-60°)	412.8	5.4	B1/1000		
BH (60°-80°)	177.4	2.3	B1/500		G1/500
BVH (80°-90°)	0.9	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: P634428

CATALOG NUMBER: GWS-SA3B-760-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5
2.5°	823.7	822.2	822.2	828.2	829.0	832.0	838.8	839.5	843.3	841.8	836.5
5°	780.9	781.6	786.1	796.6	805.7	817.0	833.5	837.3	845.5	850.1	847.1
7.5°	741.0	741.7	748.5	765.1	782.4	804.9	832.0	839.5	856.1	868.1	868.9
10°	725.9	725.2	732.0	750.8	773.3	804.9	844.0	853.8	878.6	899.7	903.5
12.5°	730.4	729.7	736.5	753.8	778.6	818.5	865.1	878.6	910.2	942.6	949.4
15°	748.5	747.8	752.3	766.6	793.6	835.0	892.2	912.5	952.4	991.5	1002.0
17.5°	802.7	798.9	794.4	795.9	811.7	854.6	926.8	951.6	1001.3	1047.9	1056.9
20°	899.0	889.2	877.1	861.3	853.8	883.2	966.7	995.2	1055.4	1108.8	1110.3
22.5°	1044.1	1040.4	1012.5	966.7	934.3	935.1	1013.3	1046.4	1120.1	1178.8	1170.5
25°	1246.5	1244.2	1201.4	1126.1	1041.9	1013.3	1072.7	1106.6	1196.9	1259.3	1233.0
27.5°	1497.8	1482.0	1431.6	1330.0	1204.4	1114.9	1148.0	1178.0	1278.1	1336.8	1287.1
30°	1716.7	1717.4	1670.0	1564.0	1422.5	1267.6	1239.7	1266.1	1352.6	1414.3	1354.1
32.5°	1927.3	1934.1	1882.2	1786.6	1631.7	1466.9	1371.4	1375.9	1448.1	1515.1	1442.1
35°	2122.9	2128.2	2092.0	2010.8	1866.4	1675.3	1554.9	1552.7	1591.8	1660.2	1564.7
37.5°	2341.8	2347.1	2311.7	2238.7	2103.3	1913.8	1763.3	1760.3	1776.1	1831.8	1722.7
40°	2575.0	2584.8	2545.7	2484.0	2354.6	2194.4	2005.5	1978.5	1962.7	2028.1	1927.3
42.5°	2811.2	2826.3	2812.7	2751.0	2640.4	2508.1	2320.0	2277.9	2244.0	2326.0	2219.2
45°	3104.6	3122.7	3116.6	3069.2	2983.5	2875.9	2698.4	2649.5	2633.7	2709.7	2582.5
47.5°	3386.7	3406.3	3428.1	3417.5	3356.6	3307.0	3109.9	3082.0	3077.5	3158.8	2961.7
50°	3596.6	3614.6	3698.1	3758.3	3799.7	3789.2	3618.4	3577.0	3570.2	3622.2	3361.9
52.5°	3747.0	3764.3	3879.4	4067.5	4219.5	4302.2	4129.9	4120.9	4084.0	4066.0	3736.5
55°	3863.6	3887.7	4008.8	4293.2	4599.3	4782.9	4675.3	4643.0	4548.2	4444.4	4084.0
57.5°	3887.0	3896.7	4067.5	4451.2	4894.2	5191.4	5191.4	5135.0	4952.2	4808.5	4485.8
60°	3677.8	3707.9	3938.9	4438.4	5020.6	5458.4	5619.4	5580.3	5333.6	5156.8	4872.4
62.5°	3213.7	3247.5	3528.9	4132.2	4894.2	5513.3	5943.6	5937.6	5659.3	5444.9	5192.9
65°	2464.4	2489.2	2734.5	3456.7	4360.1	5302.0	6175.3	6191.9	5916.6	5635.2	5303.5
67.5°	1238.2	1255.5	1520.3	2361.4	3455.9	4693.4	6159.5	6233.3	5994.8	5534.4	4881.4
70°	432.6	449.9	574.7	1013.3	2103.3	3583.8	5626.9	5747.3	5535.2	4724.2	3601.1
72.5°	148.2	156.5	238.5	376.1	818.5	2124.4	4278.9	4460.2	4080.3	3171.5	2069.5
75°	84.3	89.5	127.9	203.9	343.0	698.9	2427.6	2538.9	2378.7	1728.7	851.6
77.5°	57.2	61.7	79.7	115.8	189.6	224.9	990.0	1246.5	1087.0	564.2	217.4
80°	33.9	36.9	48.9	68.5	97.0	87.3	212.1	282.1	363.3	168.5	65.4
82.5°	15.8	18.1	31.6	45.1	48.9	36.9	62.4	76.0	102.3	82.7	27.1
85°	0.0	0.0	10.5	18.8	18.1	10.5	17.3	18.8	27.8	41.4	10.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.3	4.5	8.3	4.5
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: P634428
 CATALOG NUMBER: GWS-SA3B-760-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5	839.5
2.5°	842.5	837.3	843.3	840.3	843.3	842.5	836.5	832.8	832.8	826.0	823.7
5°	853.1	847.8	849.3	842.5	841.0	837.3	829.7	826.7	826.7	820.0	817.7
7.5°	876.4	868.1	866.6	853.1	847.1	836.5	823.0	817.7	817.0	810.2	807.9
10°	913.2	903.5	896.7	879.4	862.1	841.0	812.4	788.4	774.8	756.8	755.3
12.5°	958.4	946.3	935.8	909.5	880.9	833.5	749.3	661.2	607.1	564.2	567.2
15°	1008.8	997.5	981.0	941.1	882.4	759.0	583.0	447.6	381.4	346.0	344.5
17.5°	1063.7	1047.2	1020.1	965.9	835.0	580.0	379.1	267.8	233.2	221.2	218.2
20°	1114.9	1094.5	1060.7	971.2	698.1	392.7	237.0	207.6	201.6	197.8	197.8
22.5°	1169.0	1143.4	1093.0	930.6	519.1	251.3	201.6	194.8	190.3	185.1	184.3
25°	1223.9	1190.8	1122.4	824.5	340.0	197.8	188.8	181.3	173.0	164.7	162.5
27.5°	1270.6	1227.7	1144.9	666.5	218.2	178.3	172.3	159.5	148.2	139.2	137.7
30°	1326.2	1271.3	1154.7	487.5	171.5	157.2	148.2	134.7	121.1	112.1	109.1
32.5°	1400.7	1340.5	1139.7	317.5	152.0	138.4	124.1	108.3	94.8	85.0	83.5
35°	1516.6	1445.1	1070.5	202.4	137.7	119.6	102.3	85.8	74.5	67.0	65.4
37.5°	1658.0	1591.8	956.9	152.0	123.4	103.8	83.5	67.7	59.4	54.2	52.7
40°	1867.9	1775.3	816.2	133.2	109.1	88.0	68.5	55.7	49.6	45.1	43.6
42.5°	2140.2	1992.0	654.5	121.1	95.5	73.7	55.7	45.9	40.6	37.6	36.9
45°	2458.4	2203.4	483.7	109.1	82.7	60.9	45.9	37.6	33.9	31.6	30.8
47.5°	2784.1	2388.4	334.0	96.3	70.7	50.4	38.4	32.3	29.3	26.3	25.6
50°	3131.7	2544.9	227.9	83.5	60.2	41.4	33.1	29.3	25.6	23.3	22.6
52.5°	3386.7	2602.8	158.7	72.2	51.2	35.4	29.3	26.3	23.3	20.3	19.6
55°	3622.2	2601.3	120.4	60.9	43.6	30.8	26.3	23.3	20.3	18.1	17.3
57.5°	3856.9	2581.0	94.8	51.9	37.6	27.8	23.3	20.3	18.8	15.8	15.0
60°	4008.8	2504.3	73.7	43.6	32.3	24.1	20.3	18.1	15.8	13.5	12.8
62.5°	4089.3	2397.5	56.4	34.6	26.3	21.1	18.1	15.8	13.5	11.3	10.5
65°	3980.2	2207.9	44.4	27.1	20.3	18.1	15.0	12.8	10.5	8.3	7.5
67.5°	3496.5	1861.9	34.6	21.8	15.8	13.5	12.8	10.5	7.5	6.0	5.3
70°	2471.2	1275.1	27.1	16.5	12.0	10.5	9.8	8.3	6.0	4.5	3.8
72.5°	1356.3	643.2	19.6	12.0	9.0	8.3	7.5	6.8	5.3	3.8	3.8
75°	522.1	176.8	14.3	8.3	6.0	6.0	5.3	5.3	4.5	3.0	3.0
77.5°	136.2	52.7	9.0	5.3	3.8	3.8	3.8	3.0	3.0	2.3	2.3
80°	43.6	17.3	5.3	3.8	3.0	2.3	2.3	1.5	2.3	1.5	1.5
82.5°	14.3	6.0	3.0	3.0	2.3	1.5	1.5	0.8	0.8	0.0	0.0
85°	5.3	3.0	2.3	1.5	1.5	1.5	0.8	0.0	0.0	0.0	0.0
87.5°	3.0	1.5	1.5	1.5	1.5	0.8	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)