

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: P632617

Luminaire Tested: GWS-SA2D-722-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632617
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-722-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6732.7 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

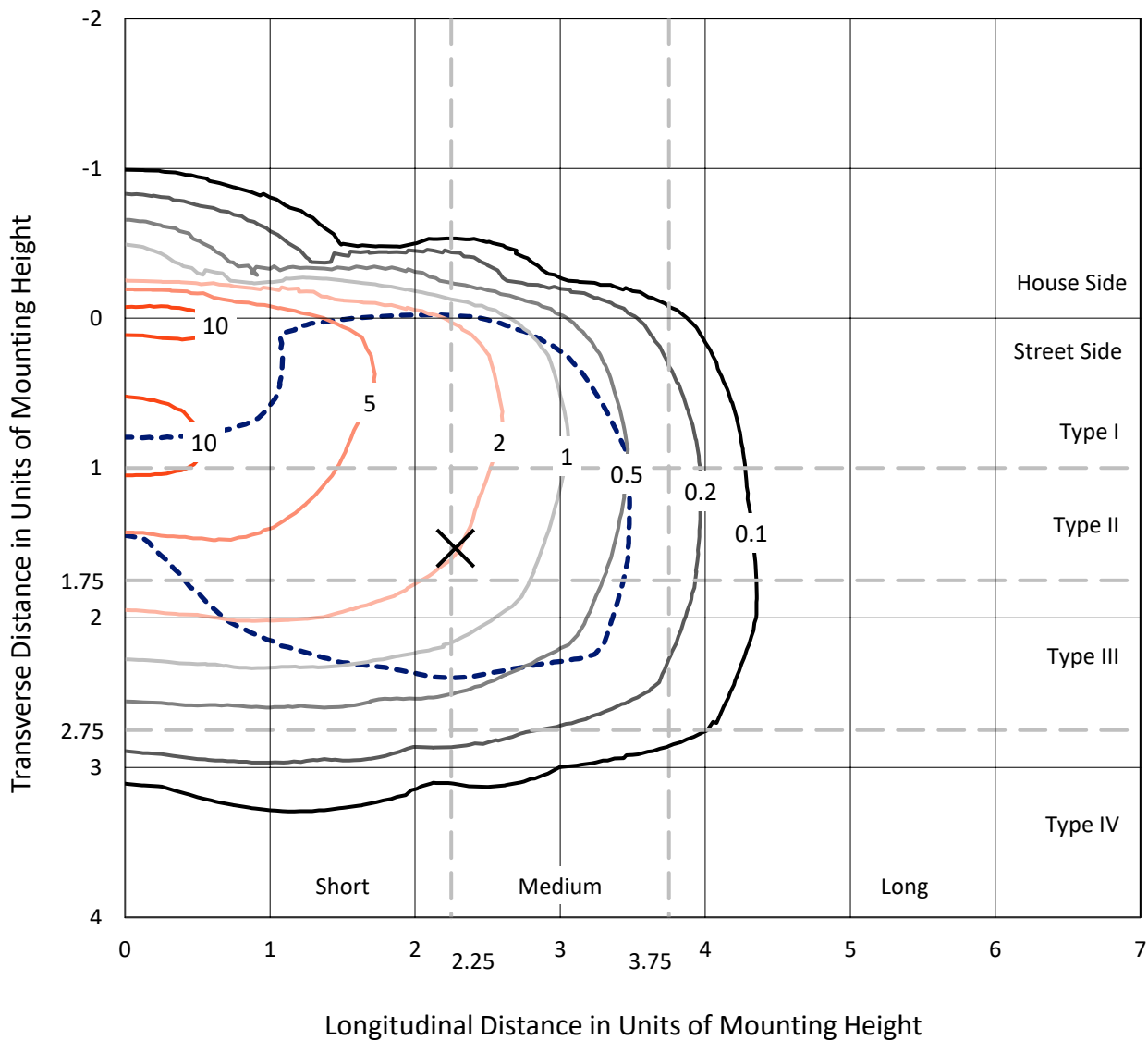
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

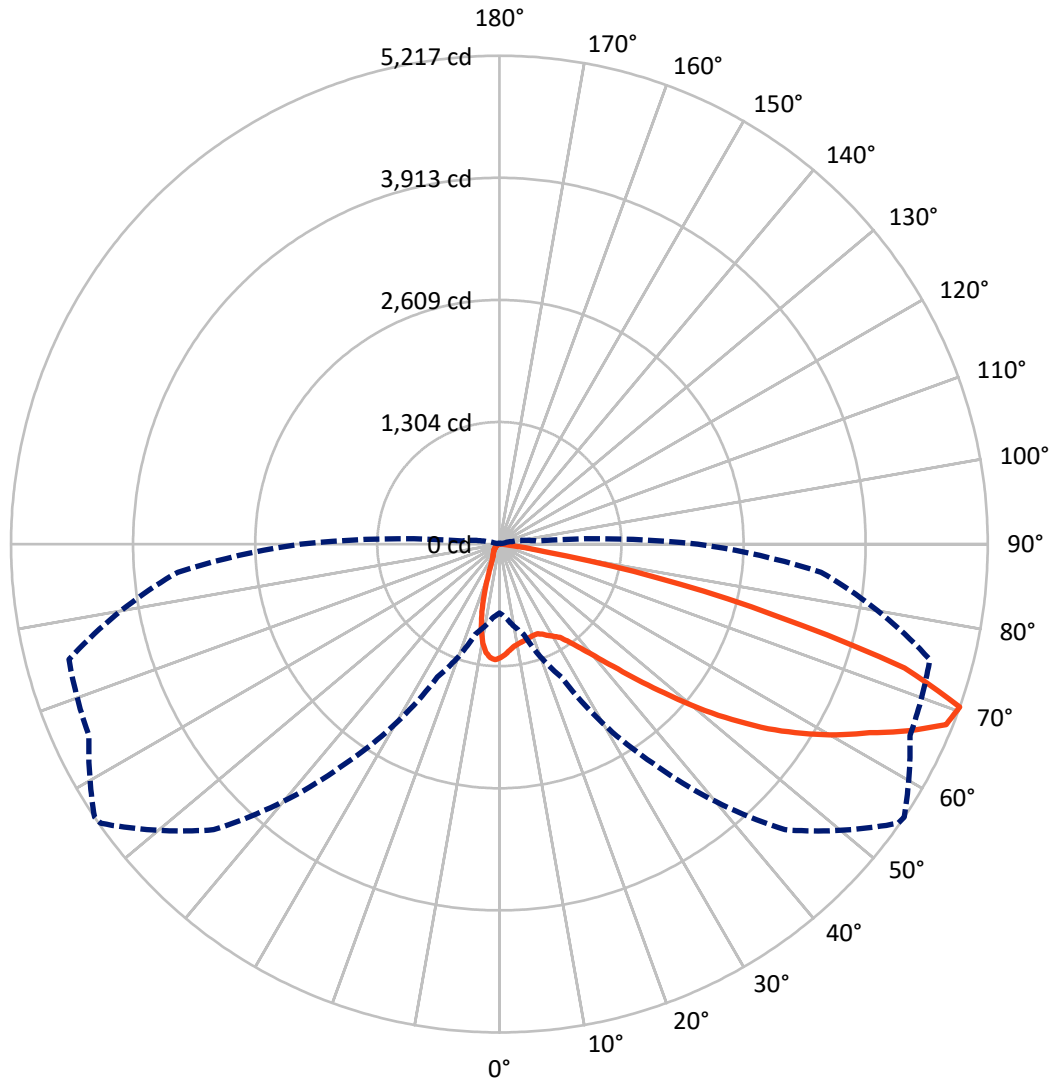
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	604.7	0.0	604.7
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	6128.0	0.0	6128.0
	% Fixture	91.0	0.0	91.0
Total	Lumens	6732.7	0.0	6732.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.2	1.5
10°-20°	234.4	3.5
20°-30°	371.3	5.5
30°-40°	640.4	9.5
40°-50°	1081.3	16.1
50°-60°	1588.9	23.6
60°-70°	1883.7	28.0
70°-80°	803.3	11.9
80°-90°	25.2	0.4
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°	6732.7	100.0
0°-180°	6732.7	100.0

Coefficient of Utilization



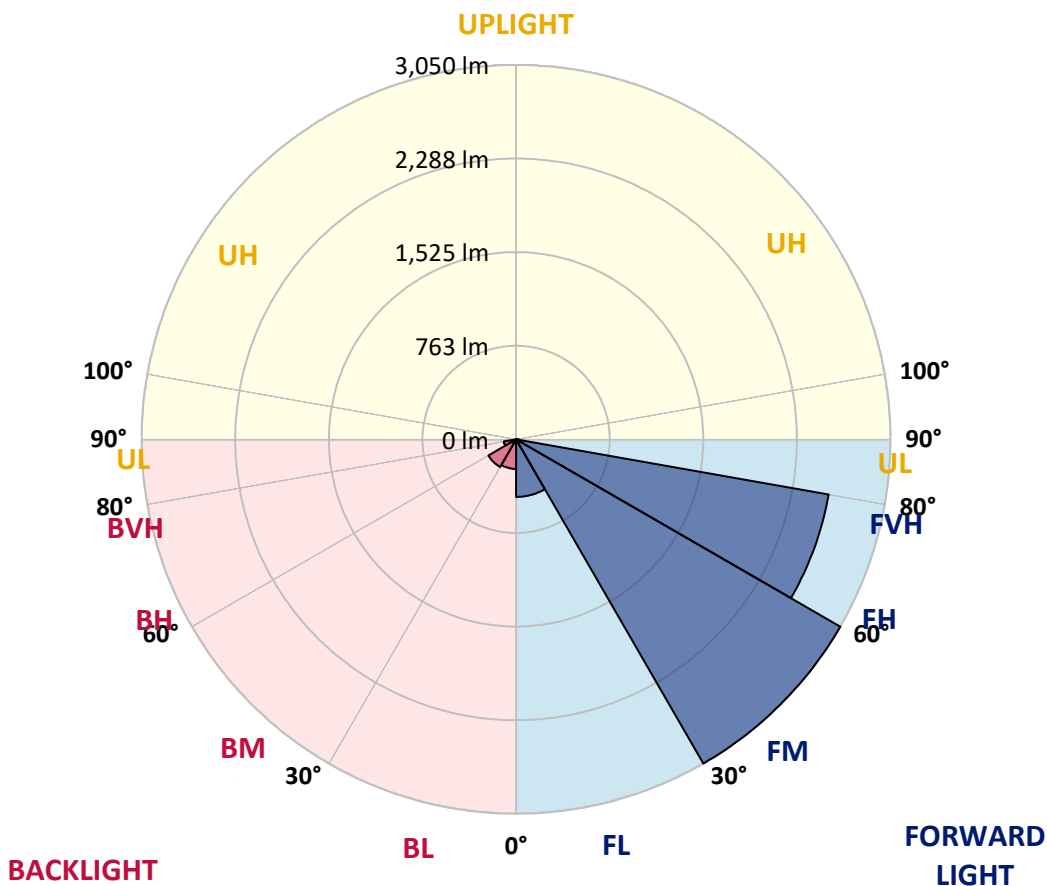
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	469.1	7.0			
FM (30°-60°)	3050.1	45.3			
FH (60°-80°)	2586.1	38.4			G2/5000
FVH (80°-90°)	22.7	0.3			G1/100
BL (0°-30°)	240.8	3.6	B1/500		
BM (30°-60°)	260.5	3.9	B1/1000		
BH (60°-80°)	100.9	1.5	B0/110		G0/110
BVH (80°-90°)	2.6	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1214.0	1214.0	1214.0	1214.0	1214.0	1214.0	1214.0	1214.0	1214.0	1214.0	1214.0
2.5°	1130.1	1128.3	1129.5	1138.8	1156.0	1164.0	1177.6	1180.1	1191.2	1205.3	1210.9
5°	1056.8	1050.6	1053.7	1066.6	1086.3	1108.5	1133.8	1140.6	1168.3	1199.8	1223.2
7.5°	989.6	982.8	990.2	1010.5	1038.3	1062.3	1099.9	1104.2	1148.6	1204.1	1246.7
10°	884.1	886.0	900.8	936.5	979.1	1029.0	1079.6	1085.7	1140.6	1218.3	1284.3
12.5°	803.4	799.0	815.1	855.8	915.6	988.3	1064.2	1072.2	1141.2	1239.9	1332.3
15°	765.7	764.5	771.3	800.9	858.8	944.5	1050.0	1060.5	1149.2	1259.6	1378.0
17.5°	767.0	765.1	764.5	781.8	824.9	911.9	1034.6	1048.1	1156.0	1281.2	1426.1
20°	820.6	812.0	796.6	788.6	814.5	890.9	1024.1	1039.5	1165.9	1304.0	1477.2
22.5°	932.8	935.9	894.6	851.4	839.1	893.4	1022.8	1040.7	1187.5	1339.7	1540.1
25°	1157.3	1152.3	1075.9	979.1	911.9	921.7	1044.4	1066.0	1230.0	1390.9	1599.3
27.5°	1438.4	1442.7	1337.9	1183.8	1043.2	980.3	1083.9	1105.5	1279.3	1423.0	1638.8
30°	1744.8	1740.5	1628.3	1457.5	1229.4	1077.7	1123.3	1142.5	1304.0	1440.2	1679.5
32.5°	2034.6	2024.7	1913.8	1735.0	1466.8	1231.2	1177.6	1188.7	1336.7	1477.9	1734.3
35°	2281.8	2281.2	2184.4	1993.9	1710.9	1423.6	1270.7	1279.9	1397.7	1537.7	1815.1
37.5°	2537.1	2528.4	2419.9	2246.1	1961.8	1634.5	1413.1	1409.4	1493.9	1625.8	1914.4
40°	2746.7	2741.2	2657.9	2490.8	2222.6	1867.5	1585.7	1574.7	1607.9	1747.9	2052.5
42.5°	2902.1	2902.7	2876.8	2775.1	2498.8	2136.9	1802.8	1785.5	1784.9	1932.2	2235.0
45°	3019.8	3027.8	3066.7	3051.3	2825.0	2450.8	2080.8	2063.0	2032.7	2171.5	2444.0
47.5°	3074.7	3085.2	3202.3	3264.0	3110.5	2762.1	2411.9	2374.3	2315.1	2489.6	2677.6
50°	3069.2	3087.6	3251.0	3438.5	3369.4	3077.8	2772.6	2754.7	2657.9	2826.2	2908.9
52.5°	2943.4	2982.8	3254.1	3544.5	3568.6	3368.8	3145.6	3112.3	3065.5	3177.7	3125.9
55°	2601.8	2649.9	3124.0	3578.4	3723.9	3622.8	3510.6	3483.5	3405.8	3509.4	3315.2
57.5°	2416.2	2457.5	2850.3	3561.8	3855.9	3857.7	3835.5	3813.3	3749.2	3837.4	3537.1
60°	2304.6	2345.9	2704.2	3500.7	3975.5	4105.6	4140.7	4138.2	4045.8	4210.4	3797.3
62.5°	2141.3	2198.0	2551.9	3342.3	4060.6	4349.7	4455.8	4439.1	4336.1	4598.8	4055.0
65°	1811.4	1860.7	2239.9	3080.9	4010.6	4551.9	4797.3	4806.0	4687.0	4964.4	4258.5
67.5°	1270.1	1306.5	1683.2	2532.1	3671.5	4618.5	5146.9	5146.3	4943.4	5151.8	4168.4
70°	736.2	786.1	994.5	1565.4	2856.4	4315.8	5199.3	5217.2	4839.2	4760.3	3449.6
72.5°	284.8	326.2	563.5	831.7	1489.6	3305.9	4472.4	4524.8	4050.1	3672.1	2400.8
75°	85.1	94.9	265.1	442.7	598.0	1596.8	3027.8	3042.6	2778.1	2290.5	1230.6
77.5°	63.5	70.3	115.9	223.8	209.6	484.0	1566.6	1710.9	1474.8	818.2	339.1
80°	43.2	51.2	82.6	109.1	77.7	128.9	440.2	483.4	450.1	183.7	85.1
82.5°	19.1	24.7	58.6	54.9	28.4	37.0	135.6	144.3	93.1	55.5	29.6
85°	1.8	2.5	22.2	24.0	10.5	8.6	28.4	28.4	20.3	19.1	12.3
87.5°	0.0	0.0	0.6	1.2	1.2	1.8	2.5	3.1	3.7	4.9	6.2
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°	1214.0	1214.0	1214.0	1214.0	1214.0	1214.0	1214.0	1214.0	1214.0	1214.0	1214.0
2.5°	1225.1	1217.7	1226.9	1234.3	1236.2	1222.6	1214.6	1202.9	1200.4	1201.0	1197.9
5°	1241.7	1238.0	1244.8	1236.8	1215.8	1176.4	1142.5	1104.8	1084.5	1072.8	1071.6
7.5°	1272.5	1270.7	1263.3	1226.9	1161.6	1074.0	989.6	906.9	855.8	837.3	834.2
10°	1318.2	1314.5	1284.3	1197.9	1058.6	890.3	748.5	630.1	558.0	537.0	511.1
12.5°	1370.6	1363.2	1297.2	1135.7	903.2	670.2	493.2	360.7	298.4	279.9	279.9
15°	1421.1	1405.1	1289.8	1032.7	712.1	435.9	275.6	208.4	189.3	184.3	184.3
17.5°	1472.9	1442.1	1260.8	892.1	492.0	257.7	183.7	170.8	168.3	168.9	169.5
20°	1521.6	1473.5	1209.7	723.2	313.8	180.0	164.6	161.5	160.3	161.5	160.9
22.5°	1574.7	1502.5	1132.0	538.9	204.1	162.2	156.6	154.1	152.9	154.8	154.8
25°	1627.1	1523.5	1029.0	362.5	162.2	151.1	148.0	145.5	144.3	144.9	144.9
27.5°	1654.2	1515.5	894.0	231.2	145.5	140.0	136.9	133.8	131.9	131.3	131.9
30°	1672.7	1490.8	728.8	164.6	131.9	125.2	122.1	119.6	114.7	111.6	112.8
32.5°	1701.7	1466.1	549.3	138.1	120.8	110.4	105.4	99.3	92.5	89.4	89.4
35°	1736.2	1432.2	385.3	124.5	109.1	98.0	88.8	78.3	70.3	67.8	67.8
37.5°	1781.8	1400.2	256.5	115.3	99.3	87.5	74.6	62.3	53.6	52.4	51.8
40°	1850.2	1373.0	180.6	108.5	90.6	76.5	61.0	48.1	41.9	40.1	40.1
42.5°	1939.0	1345.3	143.0	101.7	83.2	66.0	48.7	38.2	33.3	32.1	31.4
45°	2048.8	1312.6	124.5	95.6	75.8	54.9	38.8	32.1	28.4	27.1	27.1
47.5°	2167.8	1268.2	115.9	87.5	67.2	44.4	32.7	27.7	25.9	25.3	24.7
50°	2284.9	1208.4	108.5	80.2	57.3	36.4	28.4	25.3	24.0	23.4	23.4
52.5°	2387.3	1138.8	99.3	71.5	46.9	31.4	25.3	23.4	22.2	21.0	20.3
55°	2474.8	1062.9	87.5	61.7	38.2	27.7	23.4	21.6	20.3	19.1	18.5
57.5°	2587.6	1019.8	70.3	49.9	31.4	24.7	21.6	19.7	18.5	16.6	16.6
60°	2712.8	988.3	52.4	39.5	27.1	22.8	19.7	17.9	16.6	14.8	14.8
62.5°	2813.3	941.5	41.3	32.1	23.4	20.3	17.9	16.0	14.8	12.9	12.9
65°	2851.5	844.7	33.9	25.3	19.1	17.9	16.0	14.8	12.9	11.1	11.1
67.5°	2678.9	651.1	28.4	20.3	16.0	15.4	14.2	13.6	11.1	9.9	9.2
70°	2121.5	397.1	23.4	16.6	13.6	12.9	12.9	11.7	9.9	9.2	8.6
72.5°	1453.8	204.7	19.1	13.6	11.7	11.7	11.1	10.5	9.2	8.6	8.6
75°	755.3	68.4	14.8	10.5	9.2	9.9	9.9	9.2	8.6	8.6	8.0
77.5°	216.4	30.8	11.1	8.0	7.4	7.4	8.0	8.0	8.0	7.4	7.4
80°	56.1	17.9	8.0	6.2	6.2	6.2	6.2	6.8	7.4	6.8	6.8
82.5°	22.8	9.9	5.5	4.9	4.9	4.9	4.9	5.5	6.2	6.2	6.2
85°	14.2	4.9	4.3	4.3	4.3	3.7	3.7	4.3	4.3	4.9	4.9
87.5°	8.6	3.7	3.7	3.7	3.7	3.1	3.1	3.1	3.1	3.1	3.1
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)