

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: P634077

Luminaire Tested: GWS-SA3B-722-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634077
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-722-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6036.7 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

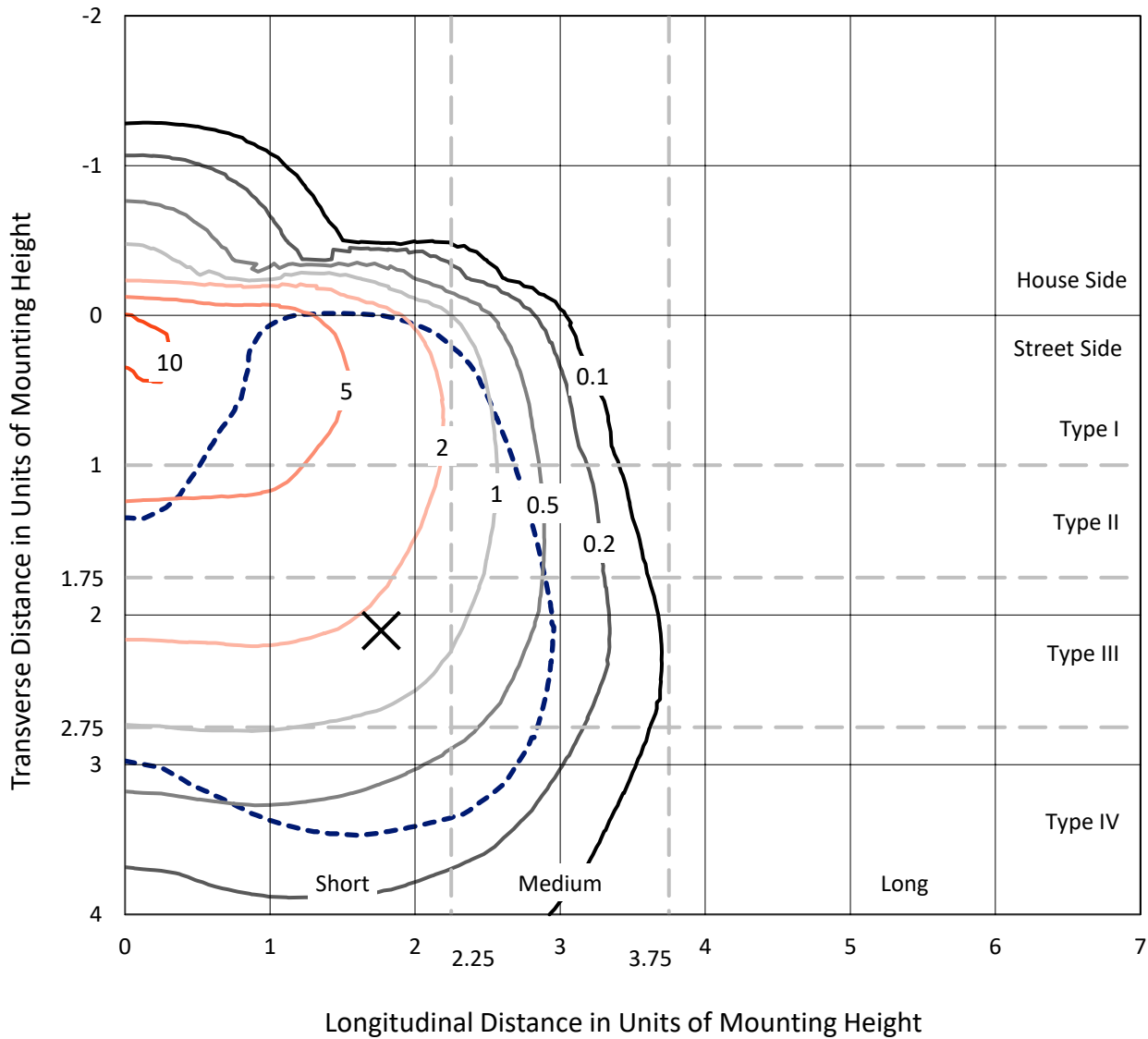
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

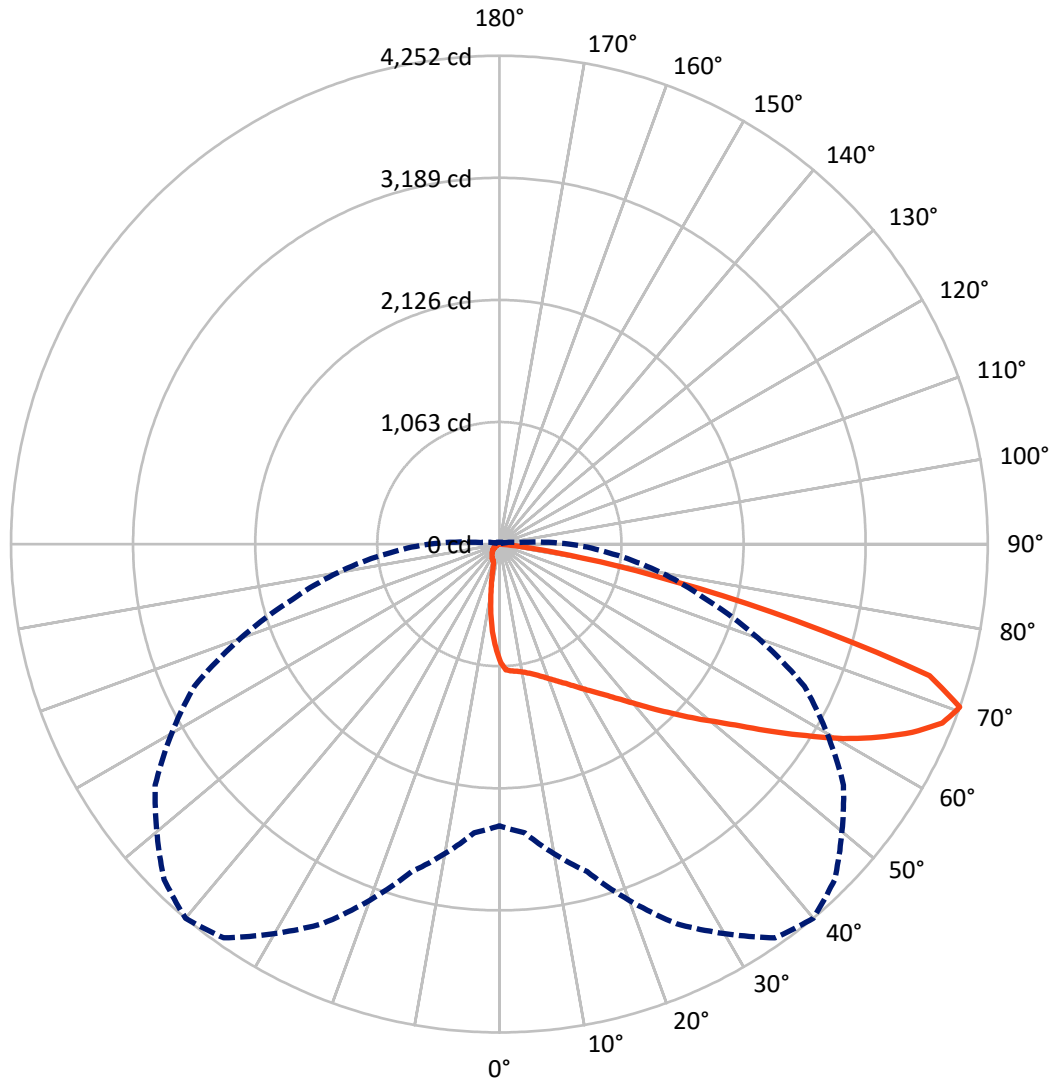
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	493.6	0.0	493.6
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	5543.1	0.0	5543.1
	% Fixture	91.8	0.0	91.8
Total	Lumens	6036.7	0.0	6036.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.6	1.4
10°-20°	219.6	3.6
20°-30°	367.5	6.1
30°-40°	577.2	9.6
40°-50°	913.0	15.1
50°-60°	1331.9	22.1
60°-70°	1651.0	27.4
70°-80°	835.3	13.8
80°-90°	54.5	0.9
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°	6036.7	100.0
0°-180°	6036.7	100.0

Coefficient of Utilization



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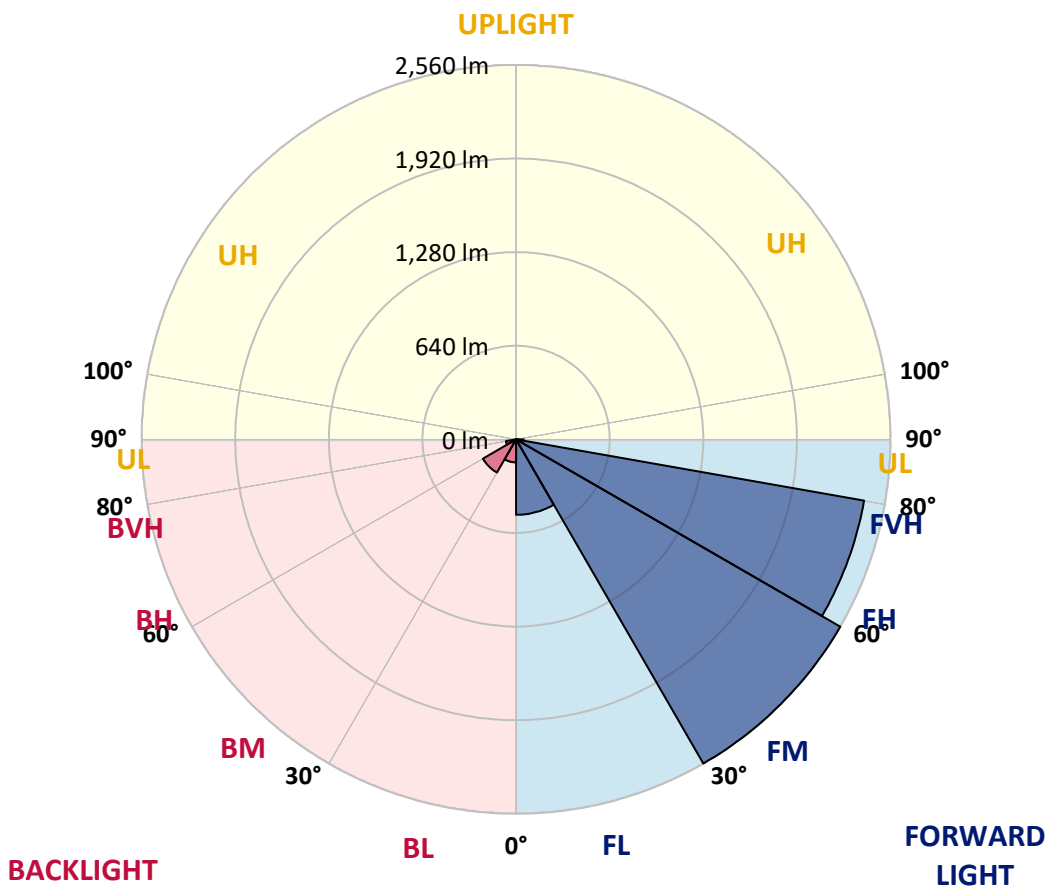
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	516.0	8.5			
FM (30°-60°)	2560.1	42.4			
FH (60°-80°)	2416.0	40.0			G2/5000
FVH (80°-90°)	50.9	0.8			G1/100
BL (0°-30°)	157.6	2.6	B1/500		
BM (30°-60°)	262.0	4.3	B1/1000		
BH (60°-80°)	70.4	1.2	B0/110		G0/110
BVH (80°-90°)	3.6	0.1			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1024.4	1024.4	1024.4	1024.4	1024.4	1024.4	1024.4	1024.4	1024.4	1024.4	1024.4
2.5°	1101.3	1105.1	1104.5	1106.2	1102.3	1096.3	1095.2	1087.0	1072.1	1053.5	1032.6
5°	1123.8	1128.2	1124.9	1123.2	1116.1	1109.5	1107.8	1099.1	1082.0	1056.8	1020.5
7.5°	1143.0	1144.1	1141.9	1138.1	1127.6	1118.8	1112.8	1100.7	1080.4	1055.1	1013.4
10°	1146.3	1145.7	1146.8	1147.4	1140.8	1133.1	1128.2	1111.7	1085.9	1059.0	1013.9
12.5°	1142.4	1142.4	1149.6	1157.8	1157.8	1154.0	1149.0	1134.2	1104.0	1072.1	1024.9
15°	1147.4	1149.0	1162.8	1178.1	1183.1	1179.2	1177.0	1161.7	1130.4	1095.2	1044.7
17.5°	1165.0	1166.6	1188.6	1211.7	1217.7	1213.3	1208.9	1193.5	1160.0	1121.6	1067.2
20°	1190.8	1195.2	1223.2	1252.8	1258.3	1252.8	1244.1	1222.6	1189.1	1150.1	1088.6
22.5°	1238.0	1240.8	1271.0	1302.3	1305.0	1296.2	1283.1	1253.4	1218.2	1180.3	1112.8
25°	1300.6	1304.5	1334.7	1364.9	1357.8	1344.6	1326.4	1292.9	1252.8	1216.0	1143.5
27.5°	1375.3	1379.7	1409.4	1435.7	1417.1	1401.7	1381.4	1339.6	1299.0	1265.5	1183.1
30°	1456.1	1459.9	1486.3	1509.9	1485.2	1467.1	1442.9	1400.0	1358.9	1333.6	1239.1
32.5°	1534.1	1533.5	1558.8	1578.0	1552.7	1538.5	1516.5	1473.1	1440.1	1429.2	1322.6
35°	1606.6	1606.6	1627.4	1646.7	1628.5	1620.8	1600.5	1565.9	1547.2	1560.4	1434.1
37.5°	1679.6	1675.8	1695.5	1717.0	1715.3	1715.9	1704.3	1687.9	1689.0	1735.6	1587.3
40°	1740.0	1738.4	1761.5	1789.5	1811.4	1829.0	1821.9	1827.9	1862.5	1949.8	1783.4
42.5°	1788.4	1792.2	1821.9	1866.4	1921.8	1957.5	1962.5	1987.2	2076.2	2211.3	2004.8
45°	1843.8	1844.4	1885.6	1953.7	2042.1	2098.7	2118.5	2182.2	2308.5	2482.6	2247.5
47.5°	1911.9	1905.4	1951.5	2047.1	2175.0	2258.5	2293.7	2373.3	2568.9	2747.4	2445.3
50°	1987.2	1975.1	2027.3	2157.5	2323.9	2428.2	2499.6	2616.1	2827.0	2964.9	2592.5
52.5°	2074.5	2063.0	2122.3	2284.3	2502.4	2629.3	2721.0	2838.5	3048.4	3130.7	2680.4
55°	2185.5	2173.9	2236.6	2436.5	2713.3	2878.1	2974.2	3073.1	3254.3	3253.2	2744.1
57.5°	2308.5	2292.6	2379.4	2628.7	2976.4	3147.8	3245.5	3293.9	3410.9	3348.2	2786.9
60°	2449.7	2435.4	2555.7	2857.8	3280.1	3438.9	3500.4	3480.6	3539.4	3404.3	2772.1
62.5°	2577.1	2570.5	2719.9	3100.5	3569.6	3703.6	3720.6	3634.4	3633.9	3405.4	2672.1
65°	2709.5	2722.1	2944.0	3380.1	3860.7	3950.8	3921.7	3787.1	3671.8	3270.8	2376.6
67.5°	2758.9	2795.7	3091.7	3632.8	4090.3	4160.6	4109.5	3863.4	3514.1	2818.2	1809.8
70°	2453.5	2522.7	2952.2	3647.0	4185.3	4252.3	4129.8	3658.0	2929.7	1866.9	991.4
72.5°	1865.8	1946.6	2460.1	2986.3	3764.0	3916.7	3707.5	2980.2	1888.3	817.8	332.8
75°	1044.1	1131.5	1832.3	2248.6	2527.1	2666.6	2589.7	1911.9	836.5	213.7	99.4
77.5°	353.2	382.3	852.4	1391.3	1668.1	1542.8	1306.1	949.7	307.6	81.3	52.7
80°	209.3	220.3	317.5	692.6	877.7	727.8	574.5	351.0	156.5	43.4	36.8
82.5°	62.6	74.1	175.2	257.1	343.8	214.2	181.3	200.5	81.3	23.6	30.8
85°	0.0	0.0	37.3	79.6	90.1	35.2	35.2	113.7	14.8	9.9	22.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.7	1.6	2.2	4.9
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°	1024.4	1024.4	1024.4	1024.4	1024.4	1024.4	1024.4	1024.4	1024.4	1024.4	1024.4
2.5°	1017.8	998.5	976.0	954.6	934.3	907.9	895.3	879.9	866.7	859.6	863.4
5°	997.4	967.2	921.1	874.4	827.2	782.7	742.6	715.7	691.5	678.9	681.6
7.5°	979.9	939.2	867.3	790.9	715.1	638.8	576.7	528.4	491.0	475.7	472.9
10°	972.2	921.1	819.5	709.6	593.2	490.5	402.6	349.3	311.4	292.8	296.0
12.5°	976.0	911.8	778.8	630.0	478.9	359.2	275.2	225.2	198.3	187.3	184.5
15°	987.0	909.6	742.6	548.7	369.6	251.0	190.0	169.7	164.2	163.1	163.1
17.5°	999.6	910.1	705.2	466.3	280.7	186.2	162.6	158.7	157.1	156.0	156.5
20°	1012.3	910.1	662.4	382.8	210.9	160.9	154.9	152.1	150.5	149.9	149.9
22.5°	1027.7	910.1	614.6	305.4	169.2	152.7	147.7	146.1	144.5	143.9	143.4
25°	1046.3	910.7	561.9	238.9	153.8	145.6	141.7	140.1	138.4	137.3	137.3
27.5°	1073.2	915.1	503.7	186.2	145.0	139.0	135.7	134.0	132.4	130.7	130.7
30°	1112.2	926.0	438.3	153.8	136.8	131.8	128.5	127.4	125.8	124.1	123.6
32.5°	1170.5	945.3	370.7	137.9	129.1	124.1	120.3	119.2	117.5	115.9	115.3
35°	1251.7	980.4	304.8	128.0	119.2	114.2	112.0	111.5	109.3	107.7	107.7
37.5°	1370.9	1037.5	241.7	118.1	110.9	107.1	104.4	103.3	101.1	99.4	98.9
40°	1516.5	1111.7	187.8	110.4	103.3	99.4	96.7	95.0	92.3	90.1	89.0
42.5°	1702.1	1202.3	148.3	102.2	96.1	92.3	90.1	86.8	82.9	79.6	79.1
45°	1895.5	1295.7	122.5	94.5	89.5	86.2	83.5	79.1	73.6	69.8	68.7
47.5°	2043.8	1353.9	107.1	86.2	82.4	79.6	76.3	70.9	64.3	59.9	58.8
50°	2149.8	1362.7	95.6	78.5	76.3	73.6	68.7	62.1	54.9	50.5	49.4
52.5°	2202.0	1323.1	86.2	71.4	69.8	67.0	61.0	53.8	46.1	41.7	40.6
55°	2225.6	1248.5	77.4	65.4	63.2	59.9	53.3	45.6	37.9	34.1	33.0
57.5°	2216.2	1138.1	69.8	59.3	56.6	52.7	45.6	37.3	31.3	27.5	26.9
60°	2147.0	983.2	62.1	53.3	50.0	45.6	38.4	30.8	25.3	22.5	22.0
62.5°	1997.6	790.9	54.4	46.1	43.9	39.5	33.0	25.3	20.9	19.2	18.7
65°	1691.7	559.1	46.7	39.0	37.9	33.5	27.5	20.9	18.1	17.0	16.5
67.5°	1216.0	340.0	39.5	33.5	32.4	28.6	23.1	18.1	16.5	15.9	15.9
70°	611.3	160.9	31.3	27.5	27.5	23.6	19.8	16.5	15.9	15.4	15.4
72.5°	207.6	68.7	23.6	21.4	22.5	20.3	17.0	15.4	15.4	15.4	15.4
75°	70.9	36.3	16.5	15.4	16.5	16.5	14.8	14.8	15.4	15.4	15.4
77.5°	46.1	24.2	11.5	10.4	12.6	12.6	12.6	13.7	14.8	14.8	14.8
80°	37.9	13.2	7.7	7.1	9.3	9.3	10.4	12.6	13.7	13.7	13.7
82.5°	32.4	8.2	4.4	4.9	6.6	7.1	8.8	10.4	12.1	12.6	12.6
85°	22.0	4.4	3.3	3.8	4.4	5.5	7.1	8.8	9.9	11.0	11.0
87.5°	6.0	1.6	2.2	2.7	2.7	3.8	5.5	6.6	7.7	8.2	8.2
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)