

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: P634426

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634426
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6480.2 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

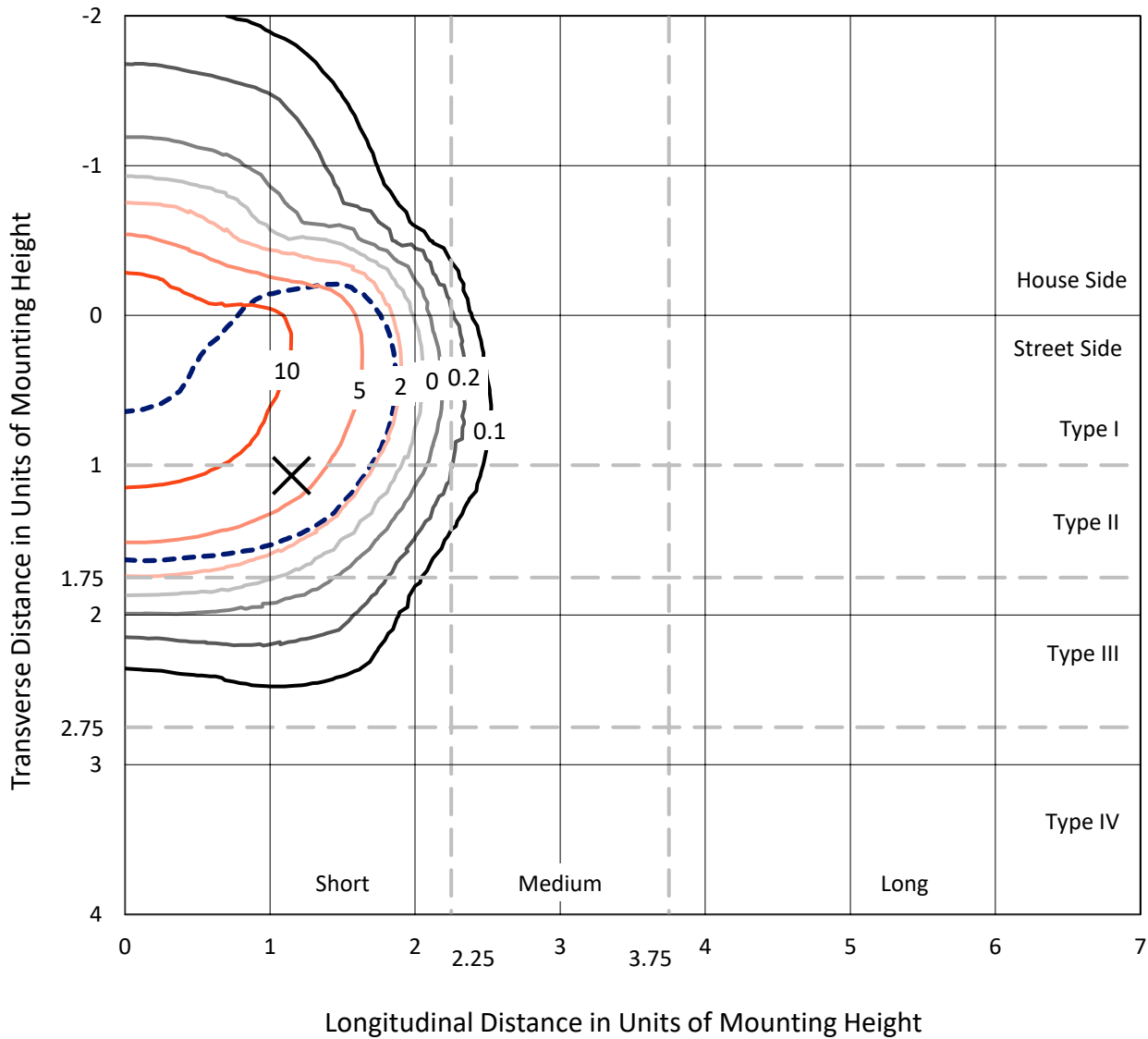
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

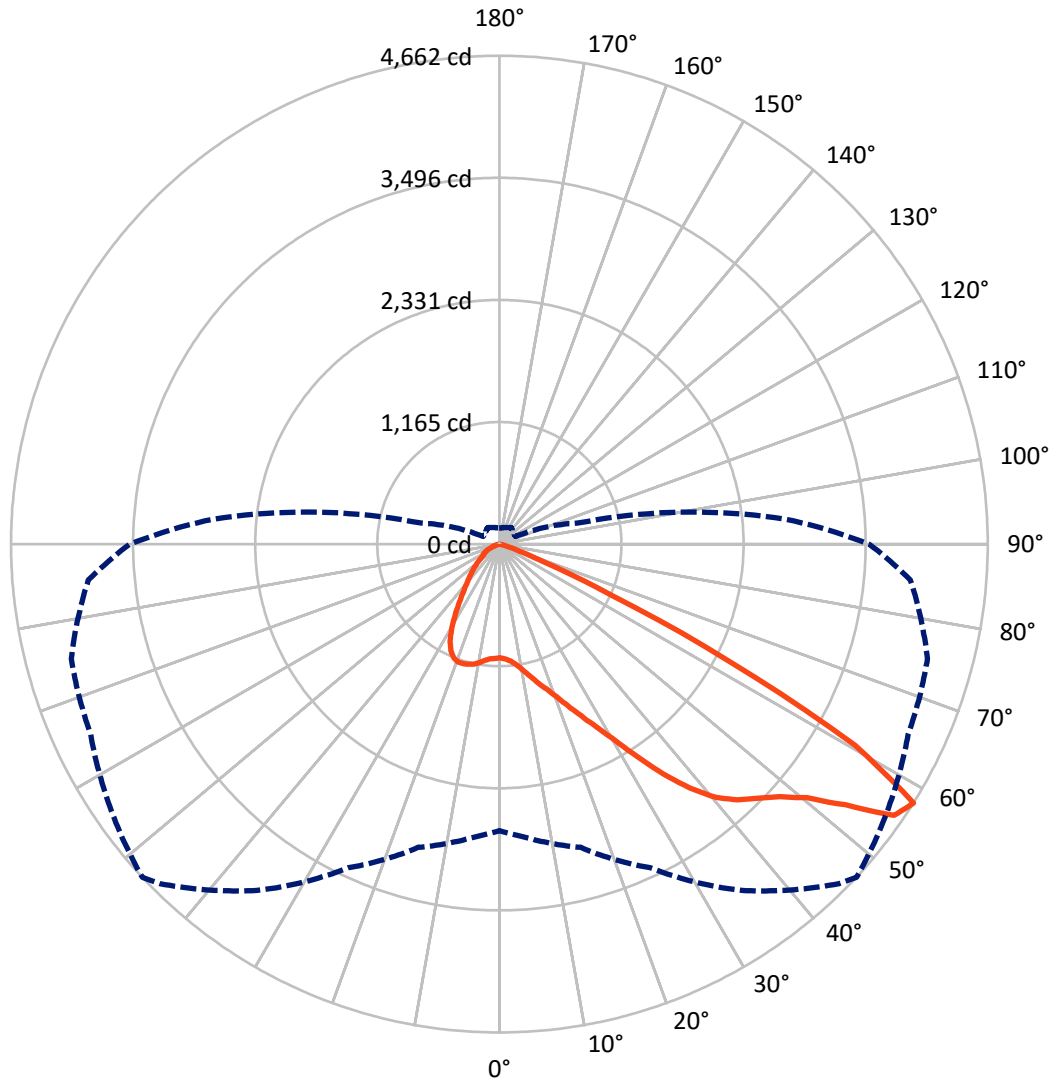
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1405.9	0.0	1405.9
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	5074.3	0.0	5074.3
	% Fixture	78.3	0.0	78.3
Total	Lumens	6480.2	0.0	6480.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.9	1.7
10°-20°	364.2	5.6
20°-30°	676.2	10.4
30°-40°	1082.4	16.7
40°-50°	1582.2	24.4
50°-60°	1952.8	30.1
60°-70°	652.5	10.1
70°-80°	60.8	0.9
80°-90°	1.3	0.0
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°	6480.2	100.0
0°-180°	6480.2	100.0

Coefficient of Utilization



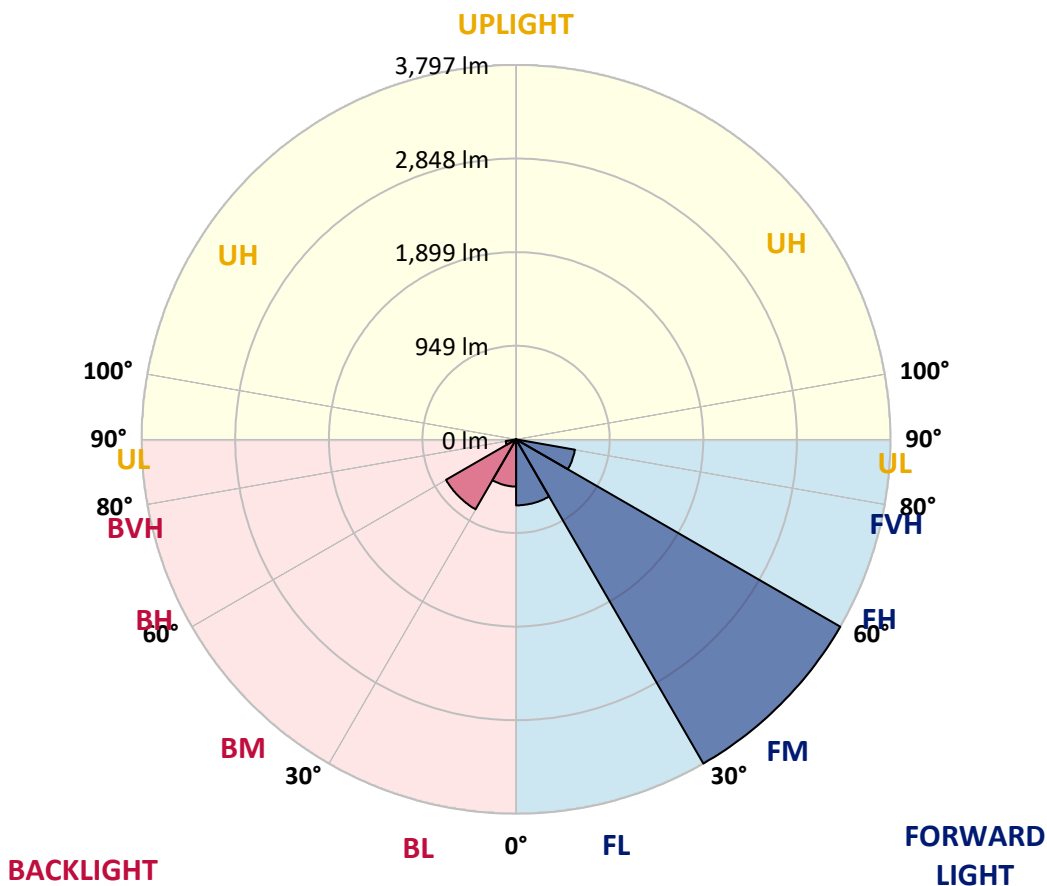
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	669.7	10.3			
FM (30°-60°)	3797.3	58.6			
FH (60°-80°)	606.4	9.4			G0/660
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	478.5	7.4	B1/500		
BM (30°-60°)	820.1	12.7	B1/1000		
BH (60°-80°)	106.9	1.6	B0/110		G0/110
BVH (80°-90°)	0.4	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8
2.5°	1096.1	1095.3	1094.6	1099.1	1097.6	1096.8	1098.3	1098.3	1098.3	1093.8	1084.8
5°	1122.4	1122.4	1121.7	1126.2	1122.4	1120.1	1120.9	1120.9	1117.9	1109.6	1098.3
7.5°	1163.8	1162.3	1160.8	1165.3	1161.5	1160.8	1162.3	1157.8	1152.5	1139.0	1123.2
10°	1223.2	1223.2	1221.0	1225.5	1222.5	1221.0	1221.0	1217.9	1208.2	1187.1	1163.8
12.5°	1305.2	1301.5	1296.2	1292.4	1290.9	1290.2	1290.9	1286.4	1275.9	1248.8	1216.4
15°	1394.7	1391.7	1383.4	1377.4	1369.2	1367.7	1372.2	1368.4	1357.9	1321.0	1275.1
17.5°	1507.6	1511.3	1490.3	1477.5	1453.4	1451.9	1453.4	1459.4	1451.9	1404.5	1337.6
20°	1603.9	1606.9	1591.1	1582.1	1560.2	1550.5	1553.5	1563.2	1555.0	1499.3	1406.0
22.5°	1706.9	1710.7	1694.1	1675.3	1665.6	1665.6	1676.8	1690.4	1679.1	1606.1	1484.3
25°	1830.3	1833.3	1819.8	1794.9	1777.6	1799.5	1816.0	1852.1	1833.3	1734.0	1576.8
27.5°	1971.7	1972.5	1952.9	1927.3	1918.3	1958.9	1975.5	2031.2	2023.6	1877.7	1674.6
30°	2122.9	2123.7	2119.2	2101.9	2093.6	2147.0	2169.6	2250.1	2244.8	2056.0	1807.7
32.5°	2280.2	2280.2	2288.4	2286.9	2296.7	2384.0	2420.1	2511.9	2506.6	2274.2	1973.2
35°	2438.2	2438.9	2453.2	2489.3	2529.9	2645.8	2693.2	2804.5	2792.5	2535.2	2184.6
37.5°	2617.9	2610.4	2630.0	2684.1	2774.4	2908.3	2953.5	3059.5	3046.0	2802.3	2460.7
40°	2834.6	2821.1	2821.1	2884.3	2986.6	3140.8	3179.1	3231.8	3185.9	3018.2	2731.5
42.5°	3073.8	3061.0	3044.5	3100.2	3185.9	3306.3	3337.9	3323.6	3286.0	3222.0	3040.0
45°	3316.1	3296.5	3307.8	3341.6	3391.3	3448.5	3460.5	3394.3	3377.0	3395.1	3295.0
47.5°	3500.4	3486.8	3514.7	3562.1	3602.7	3611.0	3602.7	3510.9	3509.4	3573.3	3471.8
50°	3562.1	3563.6	3640.3	3744.1	3809.6	3816.3	3805.0	3699.7	3685.4	3704.2	3567.3
52.5°	3568.1	3574.1	3686.2	3884.0	4062.3	4143.6	4134.5	4021.0	3881.0	3860.7	3711.8
55°	3422.9	3458.2	3614.7	3903.6	4282.7	4542.3	4572.4	4355.0	4147.3	4130.0	4022.5
57.5°	2736.1	2808.3	2997.1	3408.6	4036.8	4583.7	4661.9	4505.4	4304.6	4230.8	3939.0
60°	1635.5	1725.0	1906.3	2411.1	3072.3	3767.4	3902.1	3923.9	3831.4	3618.5	3021.9
62.5°	701.9	694.4	917.8	1304.5	1827.3	2394.5	2455.5	2550.2	2630.7	2408.1	1834.1
65°	240.7	261.8	364.1	588.3	914.8	1111.9	1166.0	1251.0	1365.4	1126.9	671.8
67.5°	149.0	158.0	209.9	347.6	493.5	486.0	461.9	448.4	436.3	298.7	184.3
70°	108.3	115.9	147.4	239.2	331.8	233.2	202.4	164.0	182.1	167.8	130.9
72.5°	73.0	79.0	101.6	145.2	170.0	113.6	105.3	119.6	144.4	137.7	106.8
75°	43.6	47.4	57.9	70.7	69.2	58.7	59.4	84.3	110.6	103.1	76.0
77.5°	30.1	31.6	38.4	45.9	33.9	18.1	16.6	23.3	37.6	37.6	25.6
80°	7.5	9.8	9.8	6.0	5.3	4.5	4.5	6.8	10.5	7.5	3.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
87.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
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°	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8	1084.8
2.5°	1090.1	1081.0	1087.0	1085.5	1090.1	1091.6	1084.8	1083.3	1084.0	1075.0	1072.0
5°	1100.6	1090.1	1093.1	1090.1	1095.3	1099.8	1097.6	1100.6	1104.4	1097.6	1094.6
7.5°	1123.2	1112.6	1111.9	1107.4	1114.9	1117.9	1117.1	1125.4	1132.9	1128.4	1123.9
10°	1162.3	1148.0	1146.5	1142.7	1145.0	1147.2	1139.0	1140.5	1147.2	1142.0	1139.7
12.5°	1210.4	1193.1	1189.4	1180.3	1180.3	1169.0	1151.0	1147.2	1152.5	1148.7	1145.0
15°	1262.3	1239.0	1233.0	1217.2	1202.1	1181.1	1162.3	1157.8	1161.5	1157.0	1154.0
17.5°	1320.3	1293.9	1274.4	1246.5	1213.4	1188.6	1167.5	1157.8	1151.7	1142.7	1142.0
20°	1377.4	1342.8	1309.7	1265.3	1221.7	1184.1	1149.5	1123.9	1102.1	1088.6	1083.3
22.5°	1443.6	1392.5	1339.1	1276.6	1214.2	1157.0	1096.1	1052.4	1014.8	1002.0	996.0
25°	1514.3	1448.1	1368.4	1287.2	1188.6	1096.8	1014.1	949.4	899.7	883.2	876.4
27.5°	1592.6	1501.6	1398.5	1284.9	1135.9	1011.1	901.2	820.7	771.8	756.8	762.1
30°	1691.9	1570.8	1436.1	1261.6	1057.0	890.7	762.1	694.4	657.5	643.2	644.0
32.5°	1824.3	1670.1	1491.0	1211.9	955.4	753.8	640.9	591.3	566.5	547.7	546.2
35°	2013.9	1821.3	1542.2	1132.2	832.0	631.9	549.9	510.8	476.2	454.4	458.1
37.5°	2241.1	2011.6	1570.0	1024.6	693.6	537.1	481.5	441.6	402.5	370.1	373.9
40°	2510.4	2260.6	1567.8	883.2	567.2	472.4	424.3	377.6	328.7	299.4	302.4
42.5°	2810.5	2496.1	1518.9	733.5	470.2	419.8	369.4	310.7	263.3	245.2	246.0
45°	3070.8	2687.2	1433.1	578.5	395.7	368.6	312.2	252.0	231.0	218.2	217.4
47.5°	3263.4	2827.1	1310.5	455.1	335.5	322.0	256.5	225.7	209.1	198.6	197.1
50°	3371.0	2876.0	1175.1	356.6	283.6	273.1	229.4	204.6	193.3	186.6	185.1
52.5°	3515.4	2934.7	1078.0	281.4	237.7	223.4	211.4	190.3	182.8	177.5	175.3
55°	3744.1	3048.3	993.8	223.4	197.9	194.8	199.4	182.1	177.5	169.3	166.3
57.5°	3529.0	2738.3	771.8	173.0	167.0	178.3	192.6	173.8	162.5	155.0	152.0
60°	2483.3	1820.5	388.2	139.2	149.0	167.0	181.3	157.2	145.9	147.4	145.9
62.5°	1369.2	911.0	174.5	116.6	129.4	147.4	155.0	136.2	128.6	141.4	143.7
65°	447.6	309.9	100.8	90.3	102.3	120.4	133.9	129.4	127.9	142.9	147.4
67.5°	137.7	102.3	68.5	64.7	70.7	88.8	112.8	139.9	150.5	155.0	157.2
70°	103.1	80.5	58.7	54.9	57.9	67.7	95.5	116.6	109.8	110.6	109.1
72.5°	82.8	63.9	50.4	48.1	48.1	46.6	50.4	63.2	71.5	75.2	75.2
75°	57.9	45.1	38.4	35.4	27.8	22.6	20.3	20.3	18.1	17.3	16.6
77.5°	19.6	16.6	15.0	12.0	8.3	6.8	6.0	5.3	3.8	2.3	1.5
80°	3.0	2.3	1.5	1.5	1.5	0.8	0.8	0.8	0.0	0.0	0.0
82.5°	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.0	0.0	0.0	0.0
85°	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.0	0.0	0.0	0.0
87.5°	1.5	1.5	1.5	1.5	0.8	0.8	0.8	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)