

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: P632911

Luminaire Tested: GWS-SA2D-760-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-760-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7634.9 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

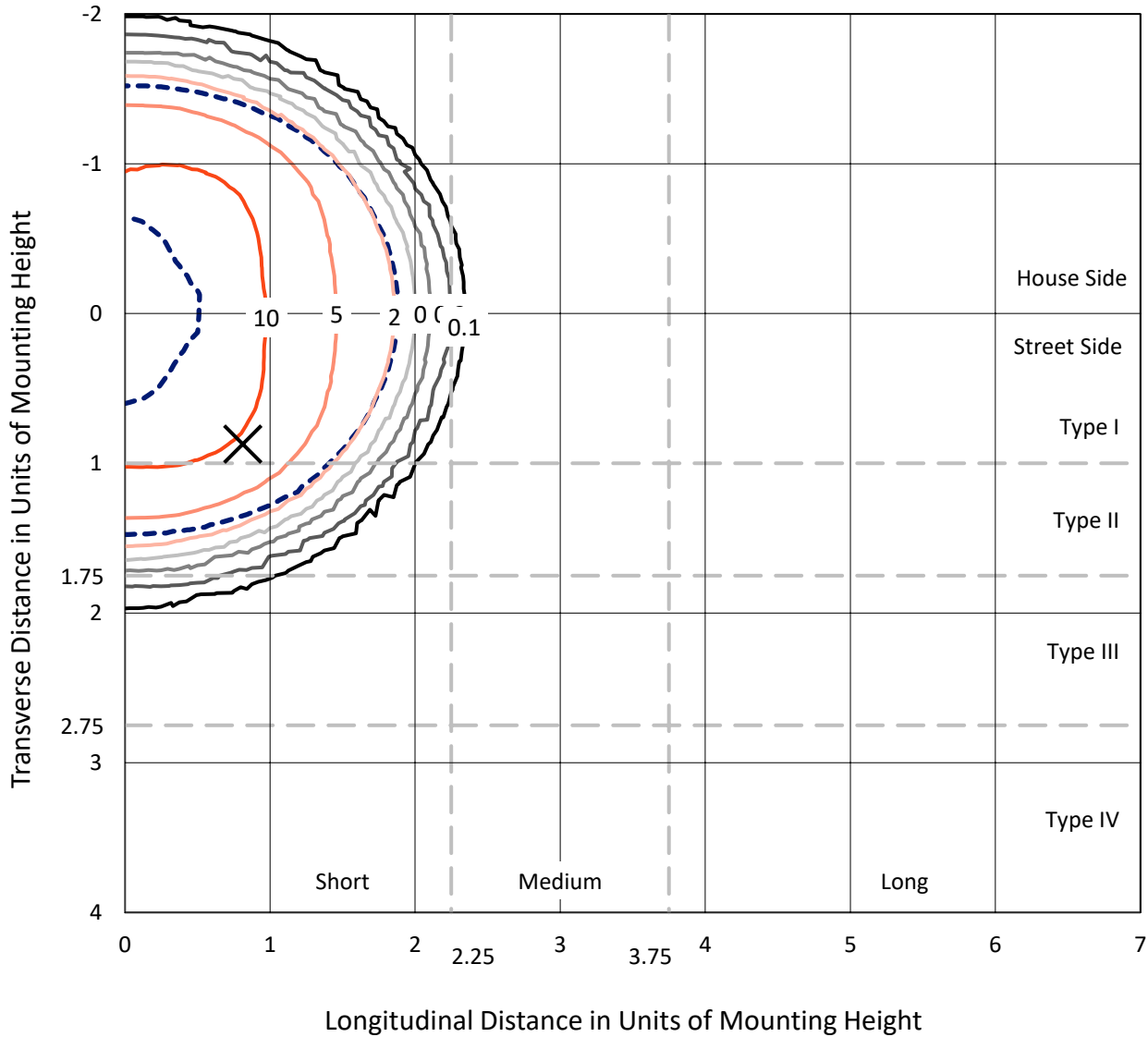
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

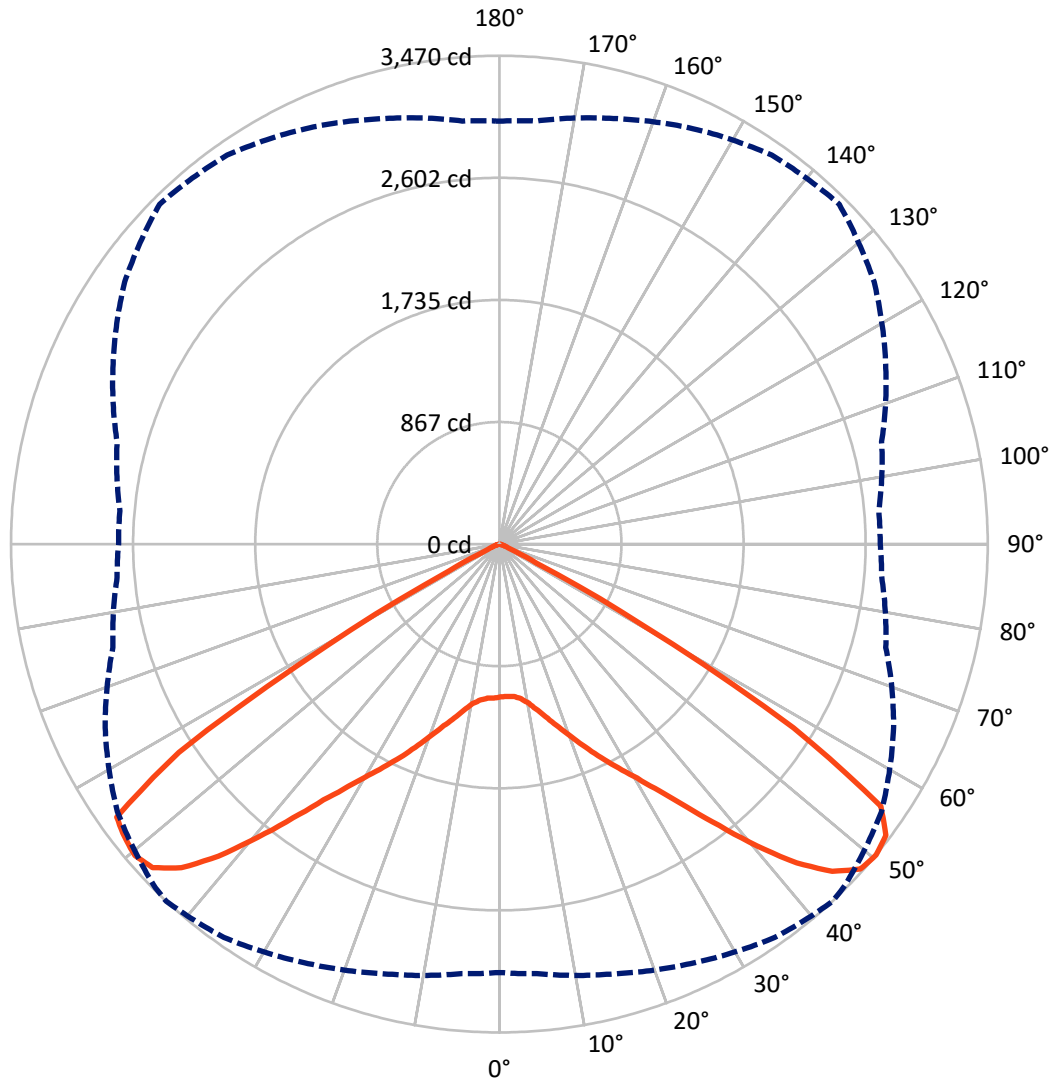
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3817.4	0.0	3817.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3817.5	0.0	3817.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7634.9	0.0	7634.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	1.4
10°-20°	368.0	4.8
20°-30°	744.6	9.8
30°-40°	1381.4	18.1
40°-50°	2293.1	30.0
50°-60°	2340.2	30.7
60°-70°	383.8	5.0
70°-80°	16.8	0.2
80°-90°	0.2	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°	7634.9	100.0
0°-180°	7634.9	100.0

Coefficient of Utilization



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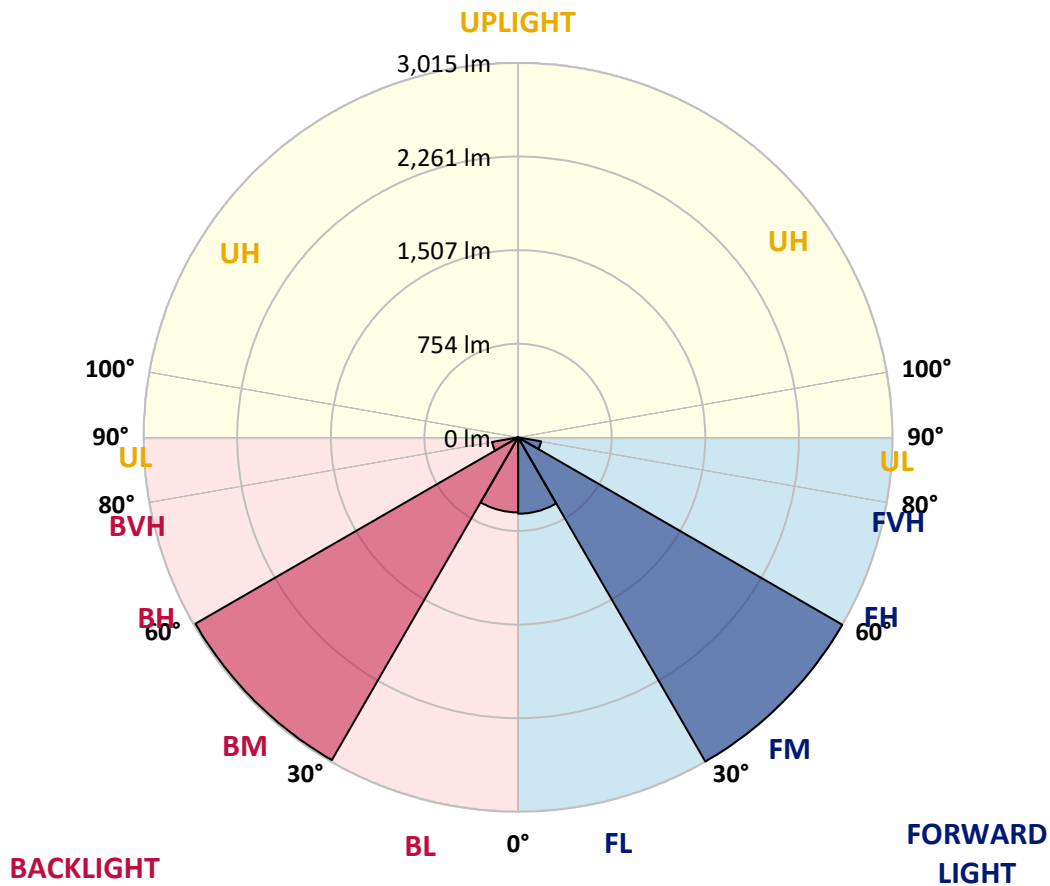
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	615.1	8.1			
FM (30°-60°)	3014.6	39.5			
FH (60°-80°)	187.7	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	604.4	7.9	B2/1000		
BM (30°-60°)	3000.0	39.3	B3/5000		
BH (60°-80°)	212.8	2.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1085.9	1085.9	1085.9	1085.9	1085.9	1085.9	1085.9	1085.9	1085.9	1085.9	1085.9
2.5°	1065.7	1068.2	1071.6	1075.0	1079.2	1083.4	1085.9	1093.5	1091.9	1098.6	1098.6
5°	1053.9	1056.4	1060.6	1068.2	1077.5	1086.8	1093.5	1108.7	1117.2	1130.7	1135.8
7.5°	1059.8	1063.1	1068.2	1080.0	1094.4	1108.7	1116.3	1140.8	1157.7	1183.1	1197.4
10°	1079.2	1082.6	1091.0	1111.3	1129.9	1150.1	1159.4	1190.7	1217.7	1252.3	1272.6
12.5°	1101.1	1105.4	1122.3	1152.7	1184.7	1211.8	1224.4	1259.1	1286.9	1325.8	1357.9
15°	1123.9	1130.7	1156.9	1201.6	1247.2	1283.5	1297.1	1334.2	1362.1	1403.5	1439.8
17.5°	1177.1	1184.7	1214.3	1262.4	1324.9	1367.1	1379.0	1417.8	1438.9	1466.8	1504.8
20°	1243.9	1258.2	1294.5	1352.8	1421.2	1461.7	1470.2	1508.2	1506.5	1518.3	1551.2
22.5°	1326.6	1336.7	1376.4	1445.7	1522.5	1567.3	1586.7	1602.7	1581.6	1571.5	1592.6
25°	1412.7	1424.6	1467.6	1543.6	1629.8	1681.3	1697.3	1710.0	1676.2	1638.2	1640.7
27.5°	1524.2	1532.7	1574.9	1655.9	1742.1	1800.3	1814.7	1836.6	1791.9	1731.1	1714.2
30°	1656.8	1665.2	1710.0	1795.3	1880.6	1930.4	1952.3	1979.4	1930.4	1854.4	1835.0
32.5°	1812.2	1820.6	1878.0	1965.8	2035.9	2090.0	2111.1	2139.8	2101.0	2015.7	1993.7
35°	1997.9	2003.0	2070.6	2166.0	2240.3	2292.6	2307.0	2340.8	2297.7	2212.4	2200.6
37.5°	2213.3	2219.2	2292.6	2403.3	2479.3	2537.5	2560.3	2569.6	2517.3	2421.8	2412.6
40°	2449.7	2469.1	2540.9	2660.0	2745.3	2818.7	2839.0	2807.7	2734.3	2604.2	2587.3
42.5°	2696.3	2713.2	2793.4	2922.6	3021.4	3096.5	3097.4	3029.8	2904.9	2725.0	2699.7
45°	2901.5	2908.2	3012.1	3142.1	3263.7	3316.9	3322.0	3199.6	3011.3	2795.1	2741.0
47.5°	3042.5	3053.5	3143.8	3268.8	3403.1	3451.2	3441.1	3288.2	3061.9	2840.7	2751.2
50°	3044.2	3062.8	3160.7	3281.5	3411.5	3469.8	3455.4	3313.6	3090.6	2842.4	2726.7
52.5°	2774.8	2805.2	2964.8	3139.6	3338.9	3438.5	3441.9	3346.5	3079.7	2815.3	2704.7
55°	2093.4	2126.3	2327.3	2625.3	3010.4	3288.2	3336.4	3307.7	3067.0	2827.2	2743.6
57.5°	1107.9	1082.6	1194.0	1489.6	1973.4	2464.9	2605.9	2835.6	2926.0	2841.5	2815.3
60°	241.5	257.6	342.8	461.9	770.1	1159.4	1297.1	1690.6	2158.4	2366.1	2516.4
62.5°	103.9	102.2	106.4	120.8	176.5	293.9	358.9	586.0	924.7	1270.0	1503.9
65°	85.3	86.1	89.5	89.5	83.6	84.4	88.7	134.3	216.2	303.2	407.0
67.5°	64.2	65.0	70.9	72.6	68.4	60.8	60.0	50.7	53.2	66.7	69.2
70°	40.5	40.5	43.9	45.6	45.6	42.2	41.4	36.3	35.5	40.5	45.6
72.5°	22.0	22.0	23.6	24.5	23.6	22.8	22.8	22.0	21.1	24.5	31.2
75°	9.3	9.3	10.1	10.1	9.3	9.3	9.3	9.3	9.3	11.0	16.9
77.5°	1.7	2.5	3.4	2.5	1.7	1.7	1.7	2.5	2.5	3.4	5.1
80°	0.8	0.8	1.7	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1085.9	1085.9	1085.9	1085.9	1085.9	1085.9	1085.9	1085.9	1085.9	1085.9	1085.9
2.5°	1104.5	1095.2	1098.6	1100.3	1097.8	1096.1	1086.8	1084.3	1080.0	1073.3	1071.6
5°	1141.7	1134.1	1133.2	1128.2	1116.3	1102.0	1084.3	1076.7	1068.2	1059.8	1058.1
7.5°	1204.2	1194.9	1189.0	1172.1	1145.1	1122.3	1092.7	1076.7	1065.7	1054.7	1052.2
10°	1284.4	1273.4	1256.5	1225.3	1189.0	1156.0	1121.4	1100.3	1083.4	1068.2	1067.4
12.5°	1369.7	1357.9	1327.5	1287.8	1243.9	1213.5	1169.5	1140.0	1114.7	1091.9	1089.3
15°	1459.2	1444.8	1403.5	1356.2	1315.6	1284.4	1236.3	1189.0	1150.1	1117.2	1113.8
17.5°	1527.6	1509.9	1460.9	1425.4	1392.5	1360.4	1306.3	1243.9	1192.3	1152.7	1143.4
20°	1570.6	1553.8	1507.3	1487.9	1472.7	1449.9	1385.7	1320.7	1263.3	1214.3	1205.9
22.5°	1612.0	1591.8	1551.2	1551.2	1563.0	1553.8	1484.5	1410.2	1342.7	1286.1	1273.4
25°	1658.5	1642.4	1613.7	1637.4	1666.9	1666.1	1595.1	1502.3	1424.6	1361.2	1348.6
27.5°	1726.0	1710.0	1699.8	1744.6	1781.8	1779.2	1701.5	1601.0	1519.1	1456.7	1444.8
30°	1845.1	1829.9	1818.9	1873.0	1920.2	1902.5	1817.2	1720.1	1637.4	1566.4	1558.0
32.5°	2003.8	1987.8	1973.4	2027.5	2069.7	2046.9	1965.8	1874.6	1779.2	1710.0	1693.1
35°	2212.4	2178.6	2164.3	2228.5	2246.2	2220.9	2143.2	2063.0	1961.6	1882.2	1871.3
37.5°	2427.8	2388.1	2377.9	2433.7	2462.4	2453.1	2361.9	2278.3	2168.5	2080.7	2068.0
40°	2611.8	2575.5	2557.8	2644.8	2709.8	2715.7	2633.8	2531.6	2402.4	2311.2	2288.4
42.5°	2719.9	2688.7	2684.5	2819.6	2926.0	3002.0	2904.0	2798.5	2662.5	2559.5	2540.9
45°	2744.4	2724.1	2759.6	2936.9	3102.5	3240.9	3157.3	3045.9	2898.9	2790.0	2772.3
47.5°	2741.9	2735.1	2798.5	2997.7	3207.2	3377.7	3336.4	3210.5	3068.7	2954.7	2937.8
50°	2705.6	2706.4	2812.0	3028.1	3249.4	3414.9	3373.5	3257.0	3130.3	3018.0	3004.5
52.5°	2691.2	2686.1	2786.6	3018.9	3292.5	3398.0	3305.1	3174.2	3033.2	2894.7	2874.5
55°	2741.9	2729.2	2790.0	3011.3	3297.5	3388.7	3143.8	2860.1	2571.3	2407.5	2394.0
57.5°	2817.9	2804.4	2833.1	2955.5	3033.2	2817.9	2313.8	1856.1	1558.8	1433.0	1378.1
60°	2516.4	2507.1	2485.2	2337.4	2004.7	1512.4	1030.2	657.0	472.0	381.7	381.7
62.5°	1561.4	1548.7	1429.6	1062.3	771.8	446.7	245.7	153.7	116.5	108.9	108.1
65°	438.3	435.7	360.6	255.0	162.1	100.5	88.7	90.4	88.7	86.1	85.3
67.5°	65.9	72.6	72.6	59.1	56.6	63.3	74.3	79.4	75.2	70.9	69.2
70°	42.2	45.6	43.9	38.0	40.5	47.3	53.2	54.0	51.5	47.3	46.4
72.5°	29.6	32.9	27.0	24.5	25.3	27.9	30.4	30.4	29.6	27.9	26.2
75°	17.7	17.7	12.7	11.8	11.8	12.7	12.7	14.4	14.4	13.5	12.7
77.5°	5.9	6.8	4.2	3.4	3.4	3.4	4.2	5.1	5.1	4.2	3.4
80°	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	0.8
82.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)