

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: P634396

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634396
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-SA3B-760-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE 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: 6801.4 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

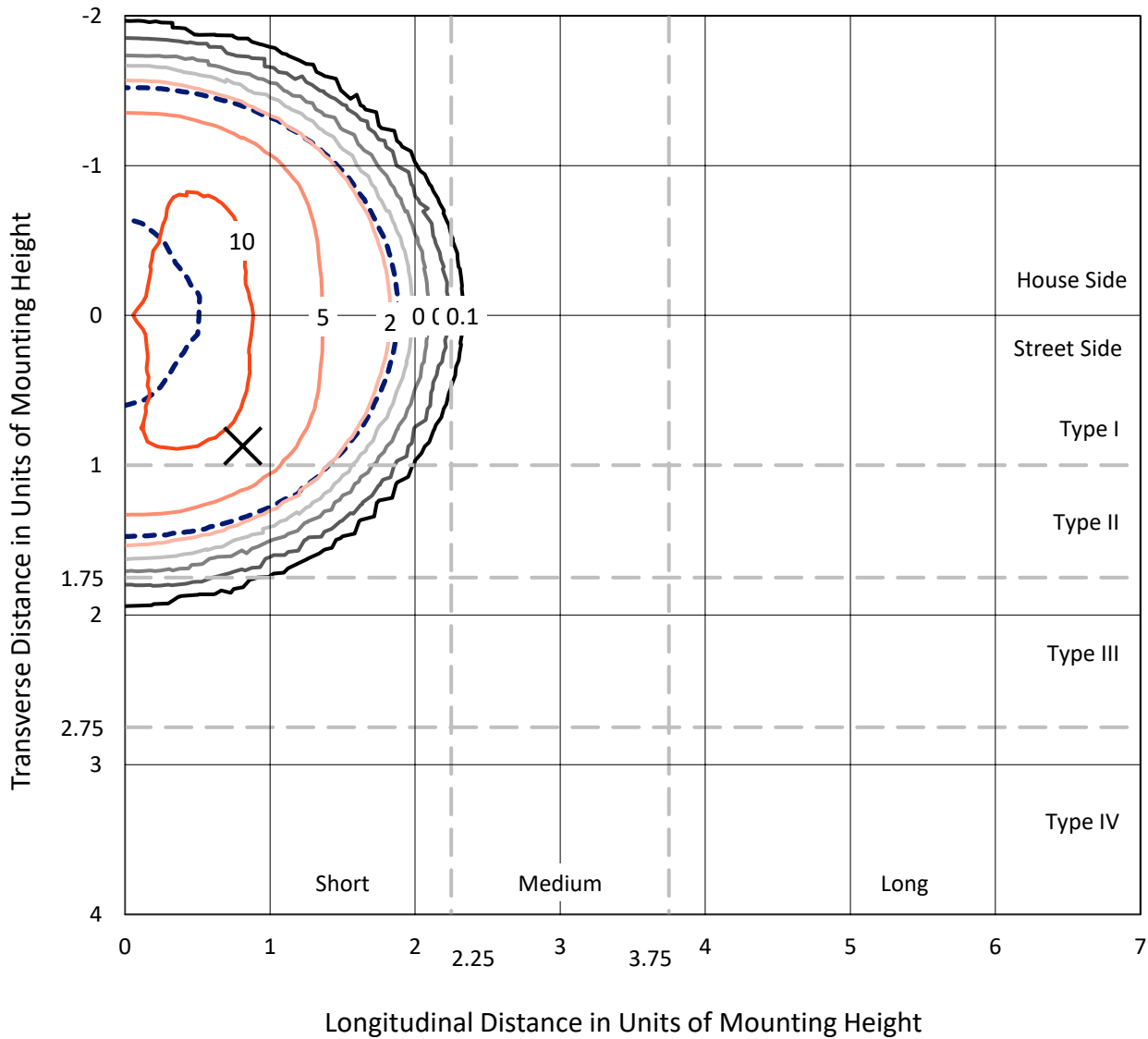
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

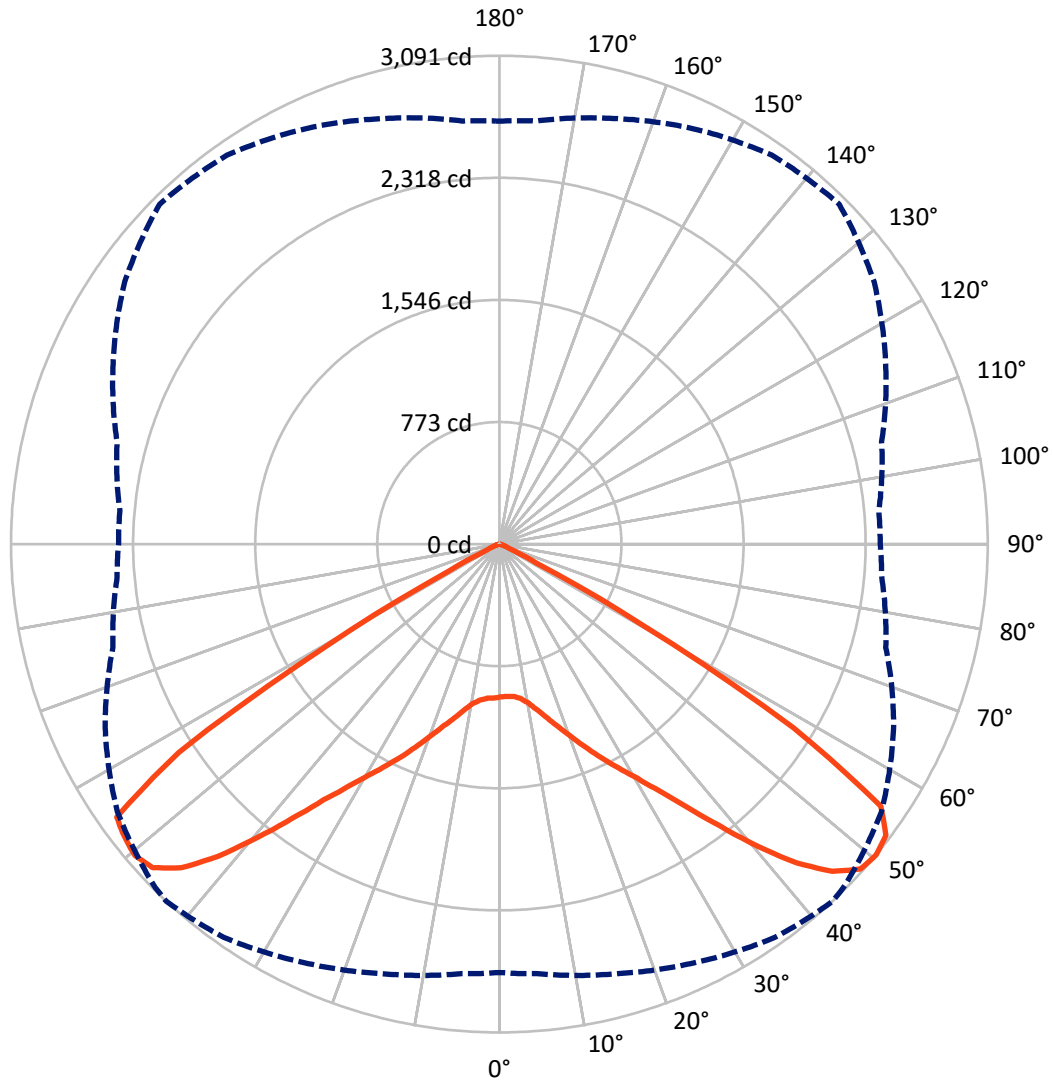
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 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	3400.6	0.0	3400.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3400.8	0.0	3400.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	6801.4	0.0	6801.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.3	1.4
10°-20°	327.8	4.8
20°-30°	663.3	9.8
30°-40°	1230.6	18.1
40°-50°	2042.7	30.0
50°-60°	2084.7	30.7
60°-70°	341.9	5.0
70°-80°	15.0	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°	6801.4	100.0
0°-180°	6801.4	100.0

Coefficient of Utilization



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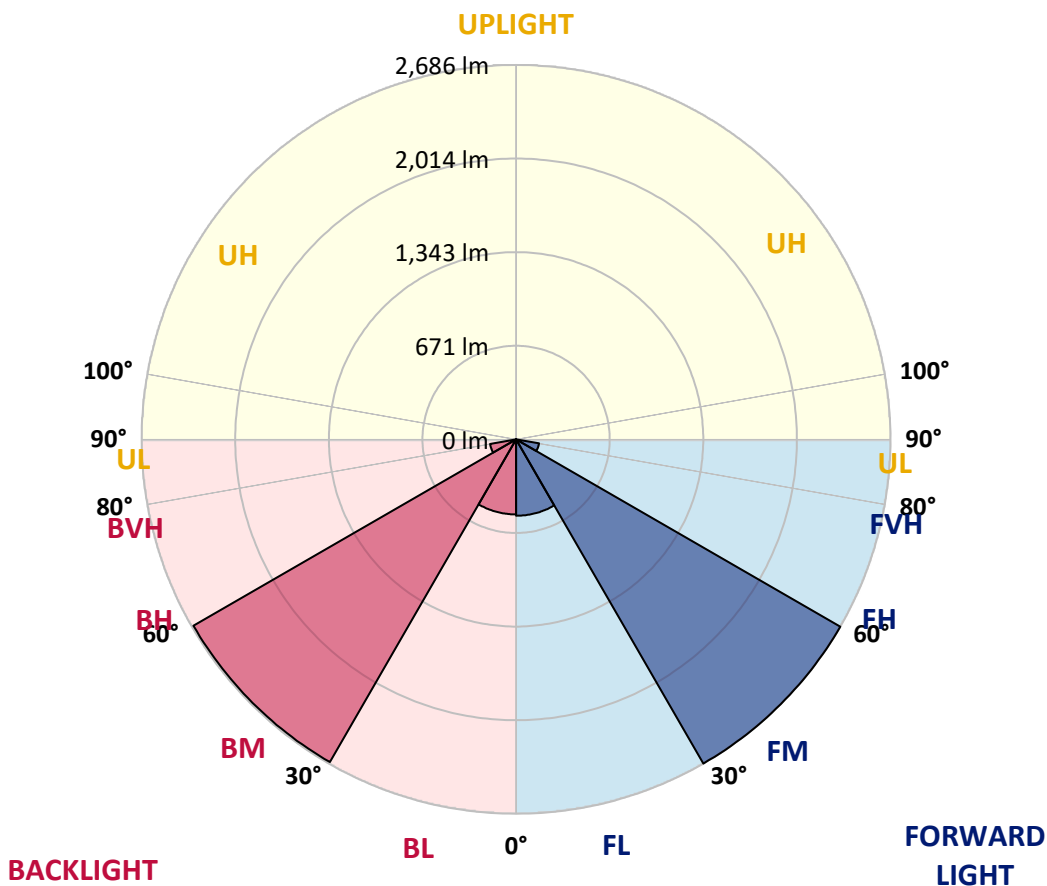
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.9	8.1			
FM (30°-60°)	2685.5	39.5			
FH (60°-80°)	167.2	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	538.4	7.9	B2/1000		
BM (30°-60°)	2672.5	39.3	B3/5000		
BH (60°-80°)	189.6	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°	967.4	967.4	967.4	967.4	967.4	967.4	967.4	967.4	967.4	967.4	967.4
2.5°	949.3	951.6	954.6	957.6	961.4	965.1	967.4	974.2	972.7	978.7	978.7
5°	938.8	941.1	944.8	951.6	959.9	968.1	974.2	987.7	995.2	1007.3	1011.8
7.5°	944.1	947.1	951.6	962.1	974.9	987.7	994.5	1016.3	1031.3	1053.9	1066.7
10°	961.4	964.4	971.9	990.0	1006.5	1024.6	1032.8	1060.7	1084.7	1115.6	1133.6
12.5°	980.9	984.7	999.7	1026.8	1055.4	1079.5	1090.8	1121.6	1146.4	1181.0	1209.6
15°	1001.2	1007.3	1030.6	1070.4	1111.1	1143.4	1155.5	1188.6	1213.4	1250.2	1282.6
17.5°	1048.6	1055.4	1081.7	1124.6	1180.3	1217.9	1228.4	1263.0	1281.8	1306.7	1340.5
20°	1108.1	1120.9	1153.2	1205.1	1266.0	1302.1	1309.7	1343.5	1342.0	1352.5	1381.9
22.5°	1181.8	1190.8	1226.2	1287.8	1356.3	1396.2	1413.5	1427.8	1409.0	1399.9	1418.7
25°	1258.5	1269.0	1307.4	1375.1	1451.8	1497.7	1512.0	1523.3	1493.2	1459.4	1461.6
27.5°	1357.8	1365.3	1402.9	1475.2	1551.9	1603.8	1616.6	1636.1	1596.3	1542.1	1527.1
30°	1475.9	1483.4	1523.3	1599.3	1675.3	1719.6	1739.2	1763.3	1719.6	1651.9	1634.6
32.5°	1614.3	1621.8	1673.0	1751.2	1813.7	1861.8	1880.6	1906.2	1871.6	1795.6	1776.1
35°	1779.8	1784.3	1844.5	1929.5	1995.7	2042.4	2055.1	2085.2	2046.9	1970.9	1960.4
37.5°	1971.6	1976.9	2042.4	2140.9	2208.6	2260.5	2280.8	2289.1	2242.5	2157.4	2149.2
40°	2182.3	2199.6	2263.5	2369.6	2445.6	2511.0	2529.1	2501.2	2435.8	2319.9	2304.9
42.5°	2401.9	2417.0	2488.4	2603.5	2691.5	2758.5	2759.2	2699.1	2587.7	2427.5	2404.9
45°	2584.7	2590.7	2683.3	2799.1	2907.4	2954.8	2959.3	2850.3	2682.5	2489.9	2441.8
47.5°	2710.4	2720.1	2800.6	2912.0	3031.6	3074.4	3065.4	2929.3	2727.7	2530.6	2450.8
50°	2711.9	2728.4	2815.7	2923.2	3039.1	3091.0	3078.2	2951.8	2753.2	2532.1	2429.0
52.5°	2471.9	2499.0	2641.1	2796.9	2974.4	3063.2	3066.2	2981.2	2743.5	2508.0	2409.5
55°	1864.8	1894.2	2073.2	2338.7	2681.8	2929.3	2972.1	2946.6	2732.2	2518.5	2444.1
57.5°	987.0	964.4	1063.7	1327.0	1758.0	2195.8	2321.4	2526.1	2606.5	2531.3	2508.0
60°	215.1	229.4	305.4	411.5	686.1	1032.8	1155.5	1506.0	1922.7	2107.8	2241.7
62.5°	92.5	91.0	94.8	107.6	157.2	261.8	319.7	522.1	823.7	1131.4	1339.8
65°	76.0	76.7	79.7	79.7	74.5	75.2	79.0	119.6	192.6	270.1	362.6
67.5°	57.2	57.9	63.2	64.7	60.9	54.2	53.4	45.1	47.4	59.4	61.7
70°	36.1	36.1	39.1	40.6	40.6	37.6	36.9	32.3	31.6	36.1	40.6
72.5°	19.6	19.6	21.1	21.8	21.1	20.3	20.3	19.6	18.8	21.8	27.8
75°	8.3	8.3	9.0	9.0	8.3	8.3	8.3	8.3	8.3	9.8	15.0
77.5°	1.5	2.3	3.0	2.3	1.5	1.5	1.5	2.3	2.3	3.0	4.5
80°	0.8	0.8	1.5	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°	967.4	967.4	967.4	967.4	967.4	967.4	967.4	967.4	967.4	967.4	967.4
2.5°	983.9	975.7	978.7	980.2	977.9	976.4	968.1	965.9	962.1	956.1	954.6
5°	1017.0	1010.3	1009.5	1005.0	994.5	981.7	965.9	959.1	951.6	944.1	942.6
7.5°	1072.7	1064.4	1059.2	1044.1	1020.0	999.7	973.4	959.1	949.3	939.6	937.3
10°	1144.2	1134.4	1119.3	1091.5	1059.2	1029.8	999.0	980.2	965.1	951.6	950.8
12.5°	1220.1	1209.6	1182.5	1147.2	1108.1	1081.0	1041.9	1015.5	993.0	972.7	970.4
15°	1299.9	1287.1	1250.2	1208.1	1172.0	1144.2	1101.3	1059.2	1024.6	995.2	992.2
17.5°	1360.8	1345.0	1301.4	1269.8	1240.5	1211.9	1163.7	1108.1	1062.2	1026.8	1018.5
20°	1399.2	1384.1	1342.8	1325.5	1311.9	1291.6	1234.4	1176.5	1125.4	1081.7	1074.2
22.5°	1436.0	1418.0	1381.9	1381.9	1392.4	1384.1	1322.5	1256.3	1196.1	1145.7	1134.4
25°	1477.4	1463.1	1437.5	1458.6	1484.9	1484.2	1421.0	1338.3	1269.0	1212.6	1201.3
27.5°	1537.6	1523.3	1514.3	1554.1	1587.2	1585.0	1515.8	1426.3	1353.3	1297.6	1287.1
30°	1643.7	1630.1	1620.3	1668.5	1710.6	1694.8	1618.8	1532.3	1458.6	1395.4	1387.9
32.5°	1785.1	1770.8	1758.0	1806.1	1843.8	1823.5	1751.2	1670.0	1585.0	1523.3	1508.3
35°	1970.9	1940.8	1928.0	1985.2	2001.0	1978.4	1909.2	1837.7	1747.5	1676.8	1667.0
37.5°	2162.7	2127.4	2118.3	2168.0	2193.6	2185.3	2104.0	2029.6	1931.8	1853.5	1842.3
40°	2326.7	2294.4	2278.6	2356.0	2414.0	2419.2	2346.3	2255.2	2140.1	2058.9	2038.6
42.5°	2423.0	2395.2	2391.4	2511.8	2606.5	2674.2	2587.0	2493.0	2371.8	2280.1	2263.5
45°	2444.8	2426.8	2458.3	2616.3	2763.8	2887.1	2812.7	2713.4	2582.5	2485.4	2469.6
47.5°	2442.6	2436.5	2493.0	2670.5	2857.0	3009.0	2972.1	2860.0	2733.7	2632.1	2617.1
50°	2410.2	2411.0	2505.0	2697.6	2894.7	3042.1	3005.2	2901.4	2788.6	2688.5	2676.5
52.5°	2397.4	2392.9	2482.4	2689.3	2933.0	3027.0	2944.3	2827.7	2702.1	2578.7	2560.7
55°	2442.6	2431.3	2485.4	2682.5	2937.5	3018.8	2800.6	2547.9	2290.6	2144.7	2132.6
57.5°	2510.3	2498.2	2523.8	2632.9	2702.1	2510.3	2061.2	1653.4	1388.7	1276.6	1227.7
60°	2241.7	2233.4	2213.9	2082.2	1785.8	1347.3	917.7	585.2	420.5	340.0	340.0
62.5°	1390.9	1379.6	1273.6	946.3	687.6	397.9	218.9	136.9	103.8	97.0	96.3
65°	390.4	388.2	321.2	227.2	144.4	89.5	79.0	80.5	79.0	76.7	76.0
67.5°	58.7	64.7	64.7	52.7	50.4	56.4	66.2	70.7	67.0	63.2	61.7
70°	37.6	40.6	39.1	33.9	36.1	42.1	47.4	48.1	45.9	42.1	41.4
72.5°	26.3	29.3	24.1	21.8	22.6	24.8	27.1	27.1	26.3	24.8	23.3
75°	15.8	15.8	11.3	10.5	10.5	11.3	11.3	12.8	12.8	12.0	11.3
77.5°	5.3	6.0	3.8	3.0	3.0	3.0	3.8	4.5	4.5	3.8	3.0
80°	0.8	1.5	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	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)