

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: P632416

Luminaire Tested: GWS-SA2C-760-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632416
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-SA2C-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: 6051.9 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

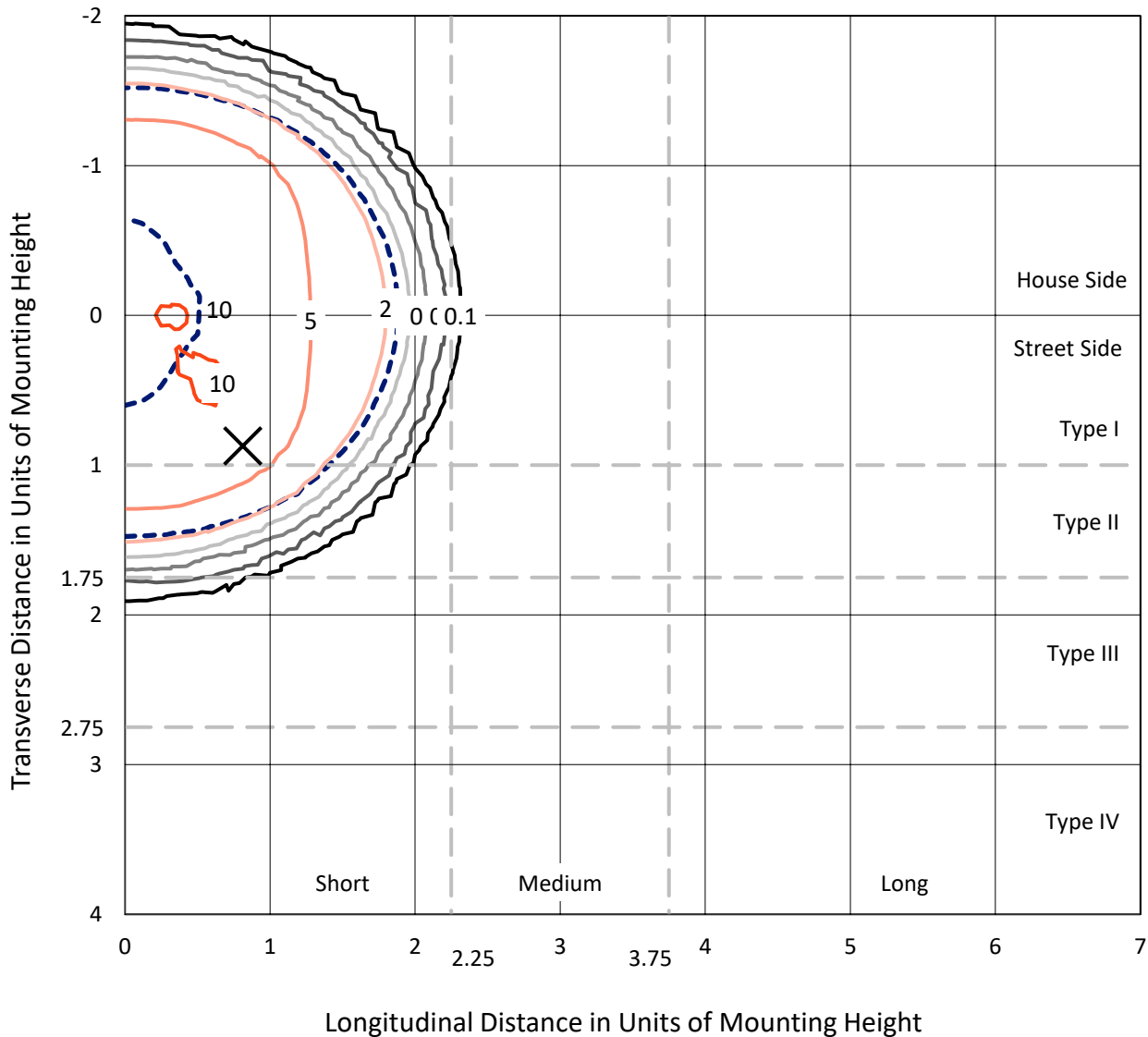
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

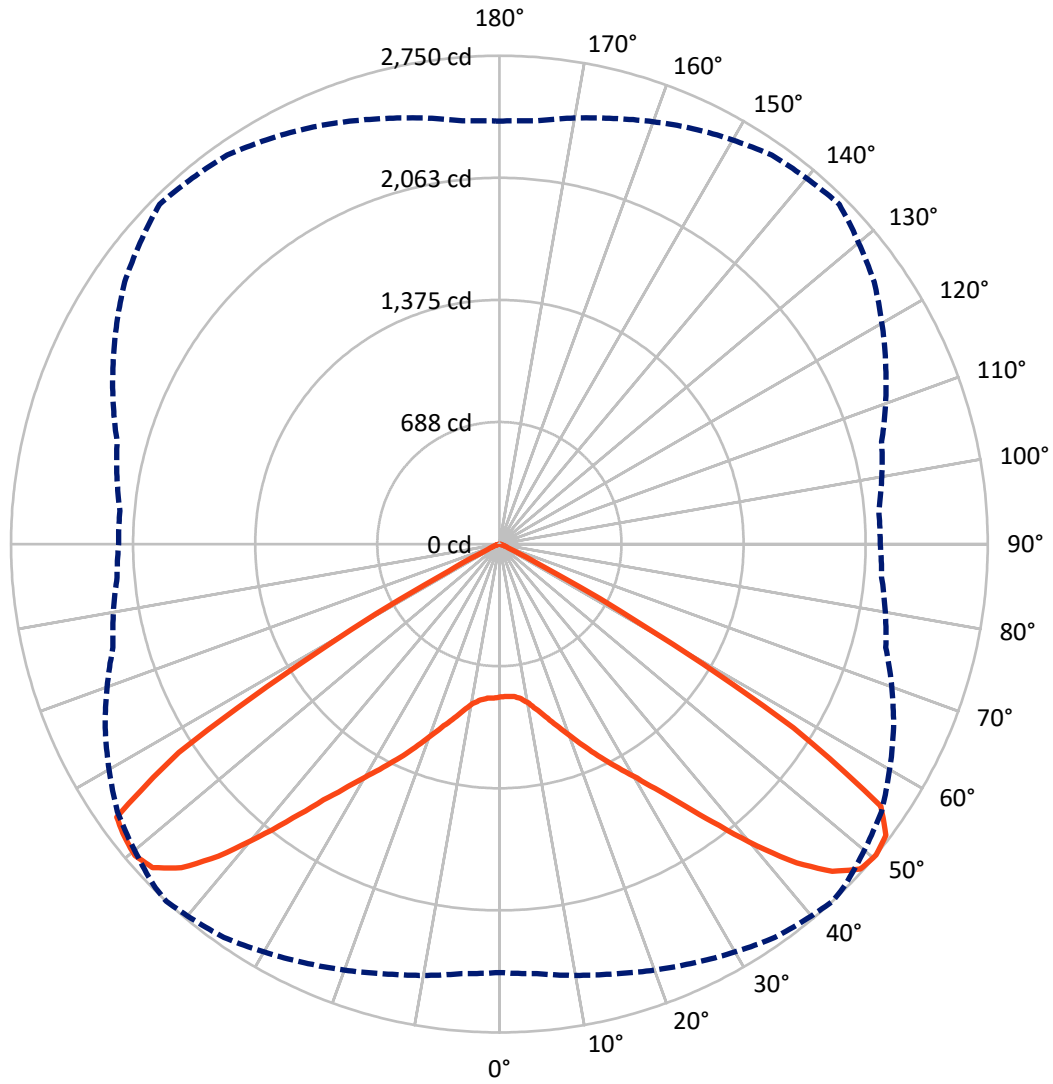
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 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	3025.9	0.0	3025.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3026.0	0.0	3026.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6051.9	0.0	6051.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	1.4
10°-20°	291.7	4.8
20°-30°	590.2	9.8
30°-40°	1095.0	18.1
40°-50°	1817.6	30.0
50°-60°	1854.9	30.7
60°-70°	304.2	5.0
70°-80°	13.3	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°	6051.9	100.0
0°-180°	6051.9	100.0

Coefficient of Utilization



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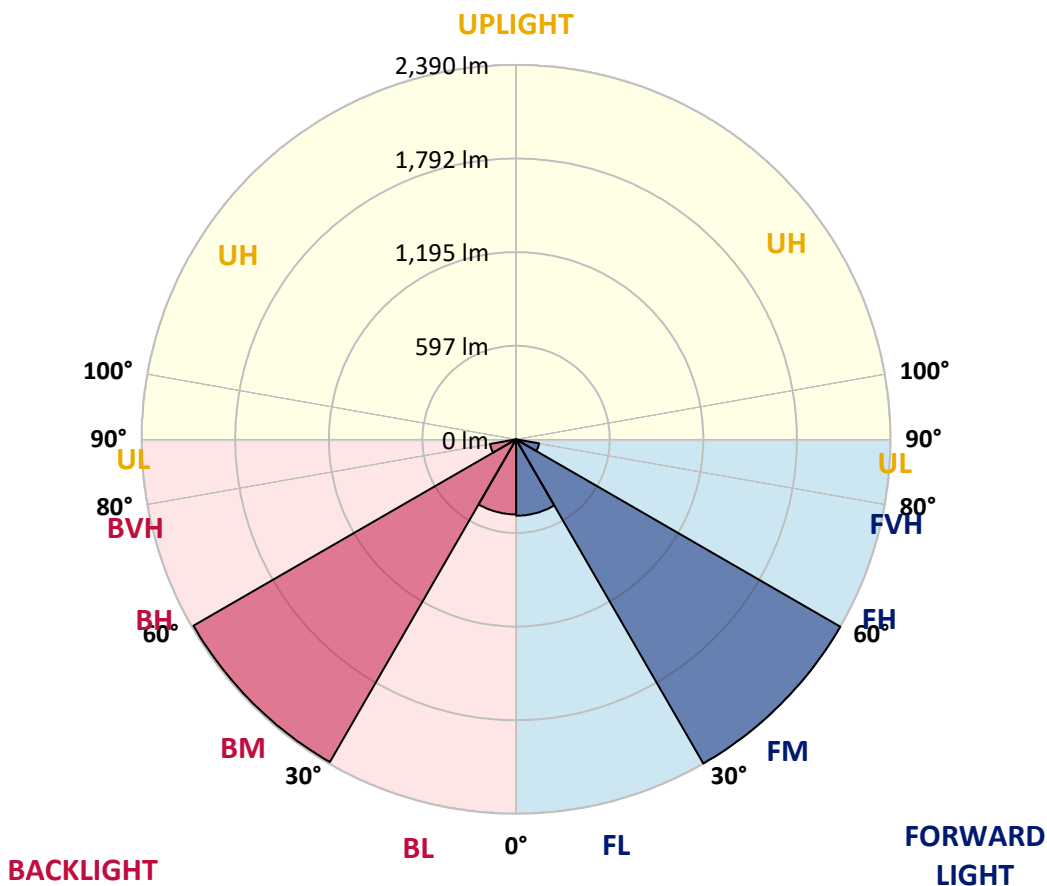
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	487.6	8.1			
FM (30°-60°)	2389.6	39.5			
FH (60°-80°)	148.8	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	479.1	7.9	B1/500		
BM (30°-60°)	2378.0	39.3	B2/2500		
BH (60°-80°)	168.7	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: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	860.8	860.8	860.8	860.8	860.8	860.8	860.8	860.8	860.8	860.8	860.8
2.5°	844.7	846.7	849.4	852.1	855.4	858.8	860.8	866.8	865.5	870.8	870.8
5°	835.4	837.4	840.7	846.7	854.1	861.5	866.8	878.9	885.6	896.3	900.3
7.5°	840.0	842.7	846.7	856.1	867.5	878.9	884.9	904.3	917.7	937.8	949.1
10°	855.4	858.1	864.8	880.9	895.6	911.7	919.0	943.8	965.2	992.6	1008.7
12.5°	872.8	876.2	889.6	913.7	939.1	960.5	970.6	998.0	1020.1	1050.9	1076.3
15°	890.9	896.3	917.0	952.5	988.6	1017.4	1028.1	1057.6	1079.7	1112.5	1141.2
17.5°	933.1	939.1	962.5	1000.7	1050.2	1083.7	1093.1	1123.8	1140.6	1162.7	1192.8
20°	986.0	997.3	1026.1	1072.3	1126.5	1158.6	1165.3	1195.5	1194.1	1203.5	1229.6
22.5°	1051.6	1059.6	1091.0	1145.9	1206.8	1242.3	1257.7	1270.4	1253.7	1245.7	1262.4
25°	1119.8	1129.2	1163.3	1223.6	1291.8	1332.7	1345.4	1355.4	1328.7	1298.5	1300.6
27.5°	1208.2	1214.9	1248.3	1312.6	1380.9	1427.1	1438.4	1455.8	1420.4	1372.2	1358.8
30°	1313.3	1320.0	1355.4	1423.0	1490.6	1530.1	1547.5	1569.0	1530.1	1469.9	1454.5
32.5°	1436.4	1443.1	1488.6	1558.3	1613.8	1656.6	1673.4	1696.1	1665.3	1597.7	1580.3
35°	1583.7	1587.7	1641.3	1716.9	1775.8	1817.3	1828.7	1855.4	1821.3	1753.7	1744.3
37.5°	1754.4	1759.1	1817.3	1905.0	1965.2	2011.4	2029.5	2036.8	1995.3	1919.7	1912.3
40°	1941.8	1957.2	2014.1	2108.5	2176.1	2234.3	2250.4	2225.6	2167.4	2064.3	2050.9
42.5°	2137.2	2150.6	2214.2	2316.6	2394.9	2454.5	2455.2	2401.6	2302.6	2160.0	2139.9
45°	2299.9	2305.2	2387.6	2490.7	2587.0	2629.2	2633.2	2536.2	2386.9	2215.6	2172.7
47.5°	2411.7	2420.4	2492.0	2591.1	2697.5	2735.6	2727.6	2606.5	2427.1	2251.7	2180.7
50°	2413.0	2427.7	2505.4	2601.1	2704.2	2750.4	2739.0	2626.5	2449.8	2253.0	2161.3
52.5°	2199.5	2223.6	2350.1	2488.7	2646.6	2725.6	2728.3	2652.6	2441.1	2231.6	2143.9
55°	1659.3	1685.4	1844.7	2081.0	2386.2	2606.5	2644.6	2621.9	2431.1	2241.0	2174.7
57.5°	878.2	858.1	946.5	1180.7	1564.3	1953.8	2065.6	2247.7	2319.3	2252.4	2231.6
60°	191.4	204.2	271.8	366.1	610.4	919.0	1028.1	1340.0	1710.9	1875.5	1994.7
62.5°	82.3	81.0	84.3	95.7	139.9	232.9	284.5	464.5	732.9	1006.7	1192.1
65°	67.6	68.3	71.0	71.0	66.3	66.9	70.3	106.4	171.4	240.3	322.6
67.5°	50.9	51.5	56.2	57.6	54.2	48.2	47.5	40.2	42.2	52.9	54.9
70°	32.1	32.1	34.8	36.1	36.1	33.5	32.8	28.8	28.1	32.1	36.1
72.5°	17.4	17.4	18.7	19.4	18.7	18.1	18.1	17.4	16.7	19.4	24.8
75°	7.4	7.4	8.0	8.0	7.4	7.4	7.4	7.4	7.4	8.7	13.4
77.5°	1.3	2.0	2.7	2.0	1.3	1.3	1.3	2.0	2.0	2.7	4.0
80°	0.7	0.7	1.3	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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°	860.8	860.8	860.8	860.8	860.8	860.8	860.8	860.8	860.8	860.8	860.8
2.5°	875.5	868.1	870.8	872.2	870.2	868.8	861.5	859.4	856.1	850.7	849.4
5°	905.0	898.9	898.3	894.3	884.9	873.5	859.4	853.4	846.7	840.0	838.7
7.5°	954.5	947.1	942.4	929.1	907.6	889.6	866.1	853.4	844.7	836.0	834.0
10°	1018.1	1009.4	996.0	971.2	942.4	916.3	888.9	872.2	858.8	846.7	846.1
12.5°	1085.7	1076.3	1052.2	1020.8	986.0	961.9	927.1	903.6	883.5	865.5	863.5
15°	1156.6	1145.3	1112.5	1075.0	1042.9	1018.1	979.9	942.4	911.7	885.6	882.9
17.5°	1210.9	1196.8	1158.0	1129.9	1103.8	1078.3	1035.5	986.0	945.1	913.7	906.3
20°	1245.0	1231.6	1194.8	1179.4	1167.4	1149.3	1098.4	1046.9	1001.4	962.5	955.8
22.5°	1277.8	1261.7	1229.6	1229.6	1239.0	1231.6	1176.7	1117.8	1064.3	1019.4	1009.4
25°	1314.6	1301.9	1279.1	1297.9	1321.3	1320.6	1264.4	1190.8	1129.2	1079.0	1069.0
27.5°	1368.2	1355.4	1347.4	1382.9	1412.3	1410.3	1348.7	1269.1	1204.2	1154.6	1145.3
30°	1462.5	1450.5	1441.8	1484.6	1522.1	1508.1	1440.4	1363.5	1297.9	1241.6	1235.0
32.5°	1588.4	1575.7	1564.3	1607.1	1640.6	1622.5	1558.3	1486.0	1410.3	1355.4	1342.1
35°	1753.7	1726.9	1715.5	1766.4	1780.5	1760.4	1698.8	1635.2	1554.9	1492.0	1483.3
37.5°	1924.4	1892.9	1884.9	1929.1	1951.8	1944.5	1872.2	1805.9	1718.9	1649.3	1639.2
40°	2070.3	2041.5	2027.5	2096.4	2148.0	2152.6	2087.7	2006.7	1904.3	1832.0	1813.9
42.5°	2156.0	2131.2	2127.9	2235.0	2319.3	2379.5	2301.9	2218.2	2110.5	2028.8	2014.1
45°	2175.4	2159.3	2187.4	2328.0	2459.2	2569.0	2502.7	2414.4	2297.9	2211.5	2197.5
47.5°	2173.4	2168.0	2218.2	2376.2	2542.2	2677.4	2644.6	2544.9	2432.4	2342.1	2328.7
50°	2144.6	2145.3	2228.9	2400.3	2575.7	2706.9	2674.1	2581.7	2481.3	2392.3	2381.6
52.5°	2133.2	2129.2	2208.9	2392.9	2609.8	2693.5	2619.8	2516.1	2404.3	2294.5	2278.5
55°	2173.4	2163.3	2211.5	2386.9	2613.8	2686.1	2492.0	2267.1	2038.2	1908.3	1897.6
57.5°	2233.6	2222.9	2245.7	2342.7	2404.3	2233.6	1834.0	1471.2	1235.6	1135.9	1092.4
60°	1994.7	1987.3	1969.9	1852.8	1589.0	1198.8	816.6	520.8	374.2	302.5	302.5
62.5°	1237.6	1227.6	1133.2	842.0	611.8	354.1	194.8	121.8	92.4	86.3	85.7
65°	347.4	345.4	285.8	202.1	128.5	79.7	70.3	71.6	70.3	68.3	67.6
67.5°	52.2	57.6	57.6	46.9	44.8	50.2	58.9	62.9	59.6	56.2	54.9
70°	33.5	36.1	34.8	30.1	32.1	37.5	42.2	42.8	40.8	37.5	36.8
72.5°	23.4	26.1	21.4	19.4	20.1	22.1	24.1	24.1	23.4	22.1	20.7
75°	14.1	14.1	10.0	9.4	9.4	10.0	10.0	11.4	11.4	10.7	10.0
77.5°	4.7	5.4	3.3	2.7	2.7	2.7	3.3	4.0	4.0	3.3	2.7
80°	0.7	1.3	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3	0.7
82.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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)