

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: P633076

Luminaire Tested: GWS-SA2E-722-U-RW-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633076  
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-SA2E-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

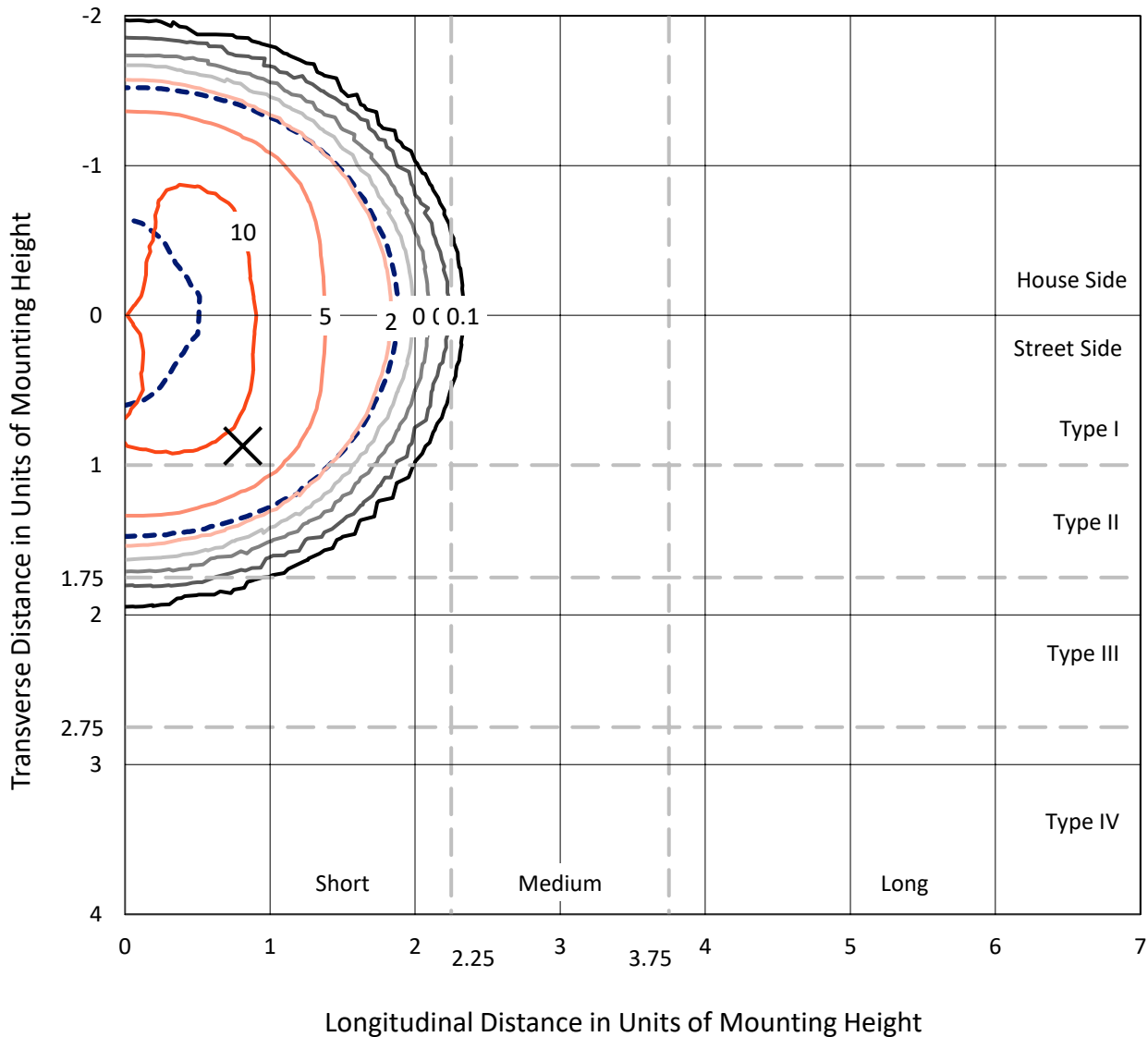
Lumens per Lamp: N/A  
Luminaire Lumens: 6965.8 lumens  
Efficiency: N/A  
Efficacy: 64.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

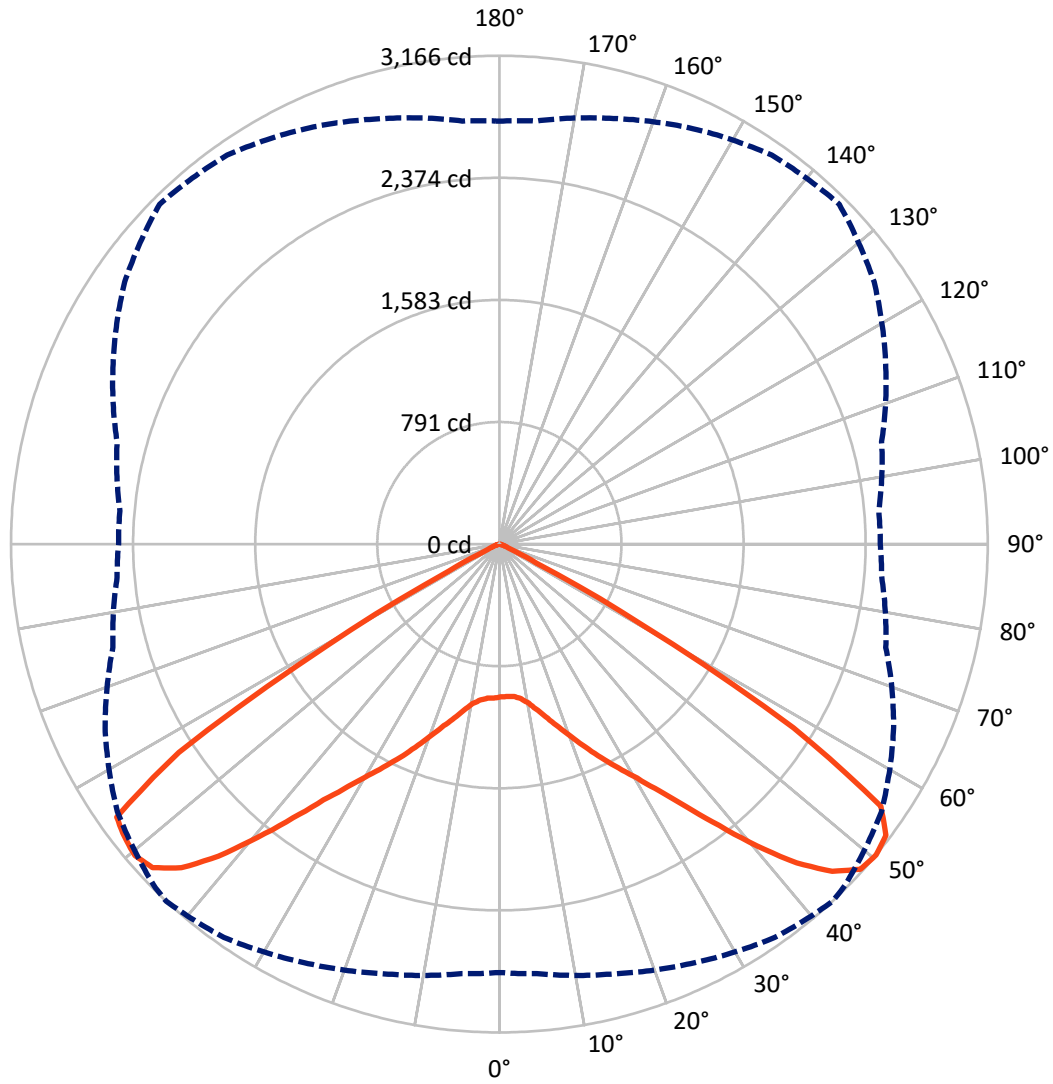
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 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
<b>House Side</b>	Lumens	3482.8	0.0	3482.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3483.0	0.0	3483.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6965.8	0.0	6965.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.6	1.4
10°-20°	335.8	4.8
20°-30°	679.3	9.8
30°-40°	1260.3	18.1
40°-50°	2092.1	30.0
50°-60°	2135.1	30.7
60°-70°	350.1	5.0
70°-80°	15.3	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°	6965.8	100.0
0°-180°	6965.8	100.0

**Coefficient of Utilization**



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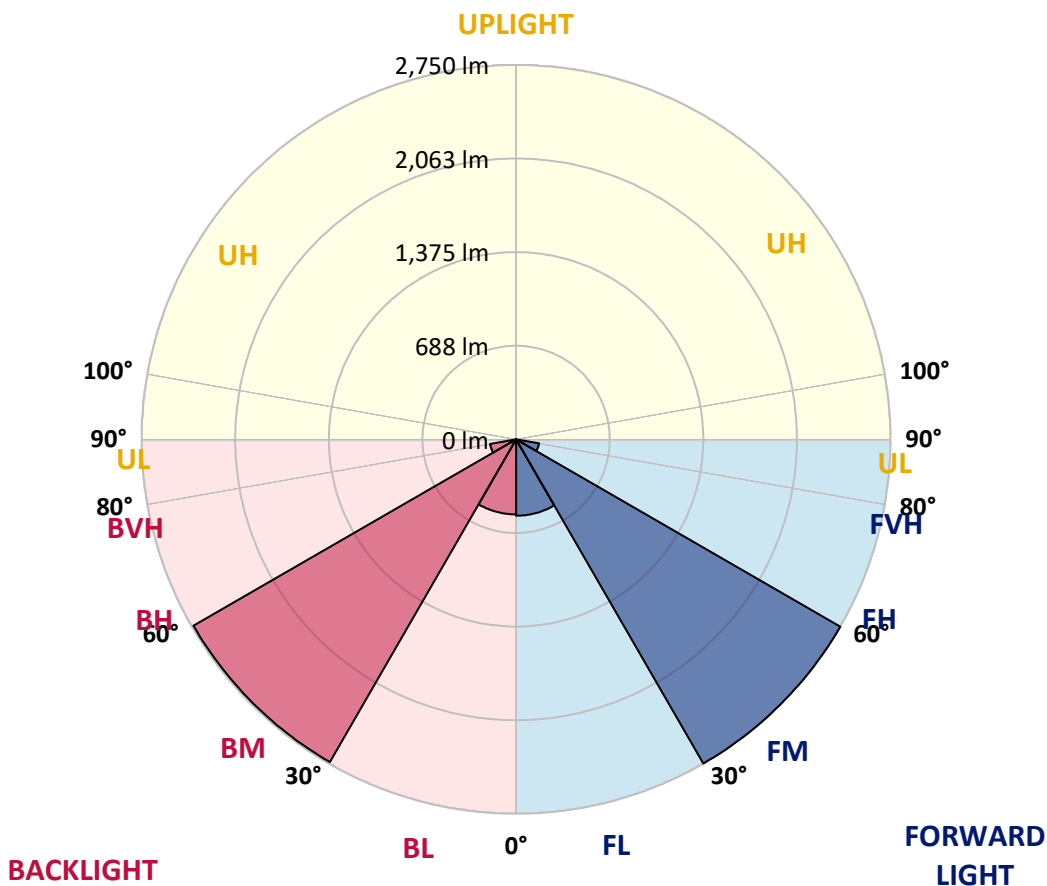
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	561.2	8.1			
FM (30°-60°)	2750.4	39.5			
FH (60°-80°)	171.3	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	551.4	7.9	B2/1000		
BM (30°-60°)	2737.1	39.3	B3/5000		
BH (60°-80°)	194.2	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°	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8
2.5°	972.3	974.6	977.7	980.8	984.6	988.5	990.8	997.7	996.2	1002.3	1002.3
5°	961.5	963.8	967.7	974.6	983.1	991.5	997.7	1011.6	1019.3	1031.6	1036.2
7.5°	966.9	970.0	974.6	985.4	998.5	1011.6	1018.5	1040.9	1056.3	1079.4	1092.5
10°	984.6	987.7	995.4	1013.9	1030.8	1049.3	1057.8	1086.3	1111.0	1142.5	1161.0
12.5°	1004.6	1008.5	1023.9	1051.6	1080.9	1105.6	1117.1	1148.7	1174.1	1209.6	1238.9
15°	1025.4	1031.6	1055.5	1096.3	1137.9	1171.1	1183.4	1217.3	1242.7	1280.5	1313.6
17.5°	1074.0	1080.9	1107.9	1151.8	1208.8	1247.3	1258.1	1293.6	1312.8	1338.2	1372.9
20°	1134.8	1147.9	1181.1	1234.2	1296.6	1333.6	1341.3	1376.0	1374.4	1385.2	1415.3
22.5°	1210.3	1219.6	1255.8	1319.0	1389.1	1429.9	1447.6	1462.3	1443.0	1433.8	1453.0
25°	1288.9	1299.7	1339.0	1408.3	1486.9	1533.9	1548.6	1560.1	1529.3	1494.6	1496.9
27.5°	1390.6	1398.3	1436.9	1510.8	1589.4	1642.6	1655.7	1675.7	1634.9	1579.4	1564.0
30°	1511.6	1519.3	1560.1	1637.9	1715.8	1761.2	1781.2	1805.9	1761.2	1691.9	1674.1
32.5°	1653.3	1661.1	1713.4	1793.6	1857.5	1906.8	1926.1	1952.3	1916.8	1839.0	1819.0
35°	1822.8	1827.5	1889.1	1976.2	2044.0	2091.7	2104.8	2135.6	2096.3	2018.5	2007.7
37.5°	2019.3	2024.7	2091.7	2192.6	2262.0	2315.1	2335.9	2344.4	2296.7	2209.6	2201.1
40°	2235.0	2252.7	2318.2	2426.9	2504.7	2571.7	2590.2	2561.7	2494.7	2376.0	2360.6
42.5°	2460.0	2475.4	2548.6	2666.5	2756.6	2825.2	2825.9	2764.3	2650.3	2486.2	2463.1
45°	2647.2	2653.4	2748.1	2866.8	2977.7	3026.3	3030.9	2919.2	2747.4	2550.1	2500.8
47.5°	2775.9	2785.9	2868.3	2982.3	3104.8	3148.8	3139.5	3000.1	2793.6	2591.7	2510.1
50°	2777.4	2794.4	2883.7	2993.9	3112.5	3165.7	3152.6	3023.2	2819.8	2593.3	2487.7
52.5°	2531.6	2559.4	2705.0	2864.5	3046.3	3137.2	3140.3	3053.2	2809.8	2568.6	2467.7
55°	1909.9	1939.9	2123.3	2395.3	2746.6	3000.1	3044.0	3017.8	2798.2	2579.4	2503.1
57.5°	1010.8	987.7	1089.4	1359.0	1800.5	2248.9	2377.6	2587.1	2669.5	2592.5	2568.6
60°	220.3	235.0	312.8	421.4	702.6	1057.8	1183.4	1542.4	1969.2	2158.7	2295.9
62.5°	94.8	93.2	97.1	110.2	161.0	268.1	327.4	534.7	843.6	1158.7	1372.1
65°	77.8	78.6	81.7	81.7	76.3	77.0	80.9	122.5	197.2	276.6	371.3
67.5°	58.6	59.3	64.7	66.3	62.4	55.5	54.7	46.2	48.5	60.9	63.2
70°	37.0	37.0	40.1	41.6	41.6	38.5	37.8	33.1	32.4	37.0	41.6
72.5°	20.0	20.0	21.6	22.3	21.6	20.8	20.8	20.0	19.3	22.3	28.5
75°	8.5	8.5	9.2	9.2	8.5	8.5	8.5	8.5	8.5	10.0	15.4
77.5°	1.5	2.3	3.1	2.3	1.5	1.5	1.5	2.3	2.3	3.1	4.6
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°	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8	990.8
2.5°	1007.7	999.2	1002.3	1003.9	1001.6	1000.0	991.5	989.2	985.4	979.2	977.7
5°	1041.6	1034.7	1033.9	1029.3	1018.5	1005.4	989.2	982.3	974.6	966.9	965.4
7.5°	1098.6	1090.2	1084.8	1069.4	1044.7	1023.9	996.9	982.3	972.3	962.3	960.0
10°	1171.8	1161.8	1146.4	1117.9	1084.8	1054.7	1023.1	1003.9	988.5	974.6	973.8
12.5°	1249.6	1238.9	1211.1	1174.9	1134.8	1107.1	1067.0	1040.1	1017.0	996.2	993.9
15°	1331.3	1318.2	1280.5	1237.3	1200.3	1171.8	1127.9	1084.8	1049.3	1019.3	1016.2
17.5°	1393.7	1377.5	1332.8	1300.5	1270.4	1241.2	1191.9	1134.8	1087.8	1051.6	1043.2
20°	1433.0	1417.6	1375.2	1357.5	1343.6	1322.8	1264.3	1205.0	1152.6	1107.9	1100.2
22.5°	1470.8	1452.3	1415.3	1415.3	1426.1	1417.6	1354.4	1286.6	1225.0	1173.4	1161.8
25°	1513.1	1498.5	1472.3	1493.9	1520.8	1520.1	1455.3	1370.6	1299.7	1241.9	1230.4
27.5°	1574.8	1560.1	1550.9	1591.7	1625.6	1623.3	1552.4	1460.7	1386.0	1329.0	1318.2
30°	1683.4	1669.5	1659.5	1708.8	1752.0	1735.8	1658.0	1569.4	1493.9	1429.2	1421.4
32.5°	1828.2	1813.6	1800.5	1849.8	1888.3	1867.5	1793.6	1710.4	1623.3	1560.1	1544.7
35°	2018.5	1987.7	1974.6	2033.2	2049.3	2026.2	1955.4	1882.2	1789.7	1717.3	1707.3
37.5°	2215.0	2178.8	2169.5	2220.4	2246.6	2238.1	2154.9	2078.6	1978.5	1898.3	1886.8
40°	2382.9	2349.8	2333.6	2413.0	2472.3	2477.7	2403.0	2309.8	2191.9	2108.7	2087.9
42.5°	2481.6	2453.1	2449.2	2572.5	2669.5	2738.9	2649.5	2553.2	2429.2	2335.2	2318.2
45°	2503.9	2485.4	2517.8	2679.6	2830.6	2956.9	2880.6	2778.9	2644.9	2545.5	2529.3
47.5°	2501.6	2495.4	2553.2	2735.0	2926.1	3081.7	3044.0	2929.2	2799.7	2695.7	2680.3
50°	2468.5	2469.2	2565.5	2762.8	2964.6	3115.6	3077.9	2971.6	2856.0	2753.5	2741.2
52.5°	2455.4	2450.7	2542.4	2754.3	3003.9	3100.2	3015.5	2896.1	2767.4	2641.0	2622.5
55°	2501.6	2490.0	2545.5	2747.4	3008.5	3091.7	2868.3	2609.5	2346.0	2196.5	2184.2
57.5°	2570.9	2558.6	2584.8	2696.5	2767.4	2570.9	2111.0	1693.4	1422.2	1307.4	1257.3
60°	2295.9	2287.4	2267.4	2132.6	1829.0	1379.8	939.9	599.4	430.7	348.2	348.2
62.5°	1424.5	1413.0	1304.3	969.2	704.2	407.6	224.2	140.2	106.3	99.4	98.6
65°	399.9	397.5	329.0	232.7	147.9	91.7	80.9	82.4	80.9	78.6	77.8
67.5°	60.1	66.3	66.3	53.9	51.6	57.8	67.8	72.4	68.6	64.7	63.2
70°	38.5	41.6	40.1	34.7	37.0	43.1	48.5	49.3	47.0	43.1	42.4
72.5°	27.0	30.0	24.7	22.3	23.1	25.4	27.7	27.7	27.0	25.4	23.9
75°	16.2	16.2	11.6	10.8	10.8	11.6	11.6	13.1	13.1	12.3	11.6
77.5°	5.4	6.2	3.9	3.1	3.1	3.1	3.9	4.6	4.6	3.9	3.1
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)