

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: P630877

Luminaire Tested: GWS-SA1E-750-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630877
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6833 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

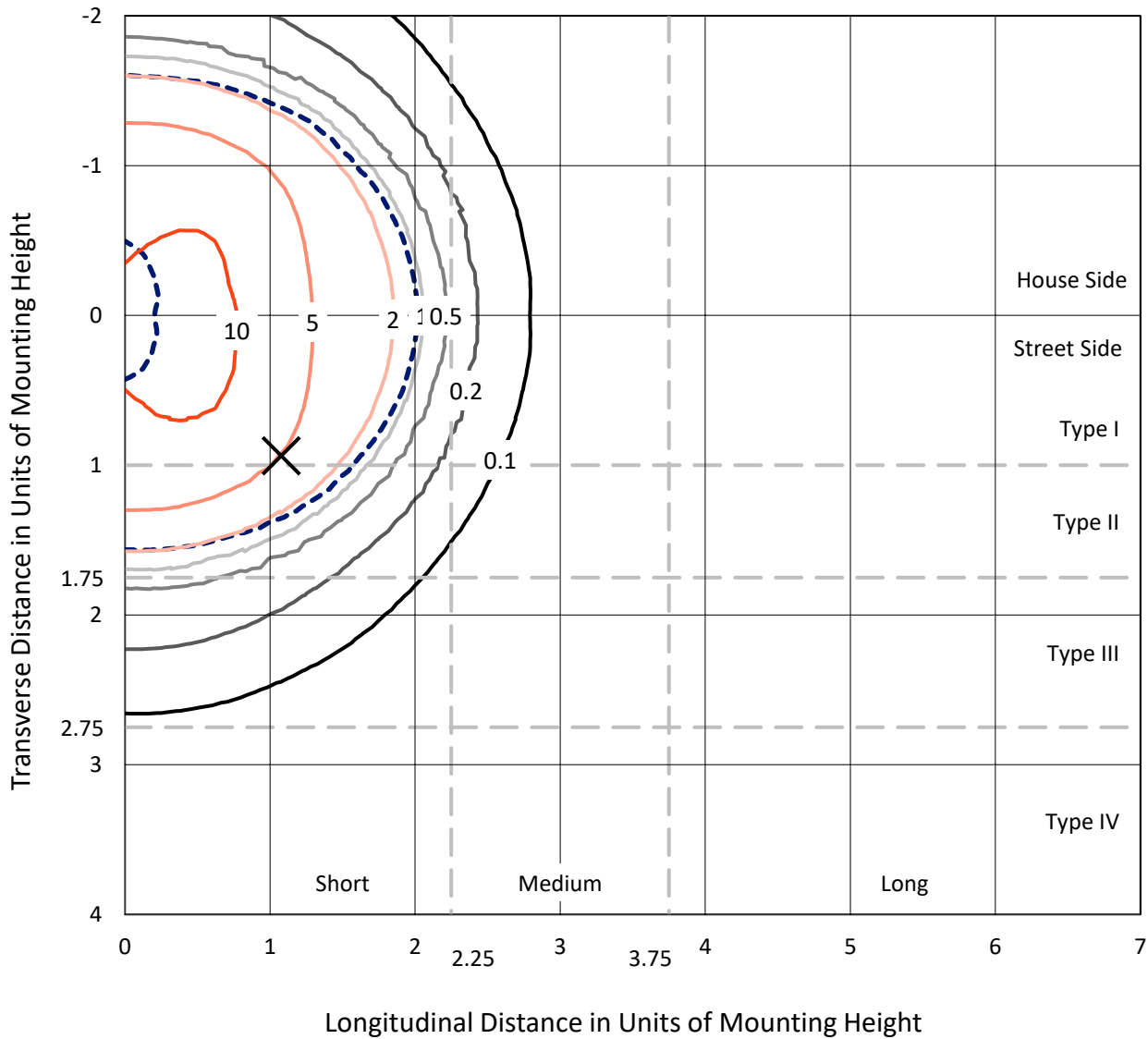
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

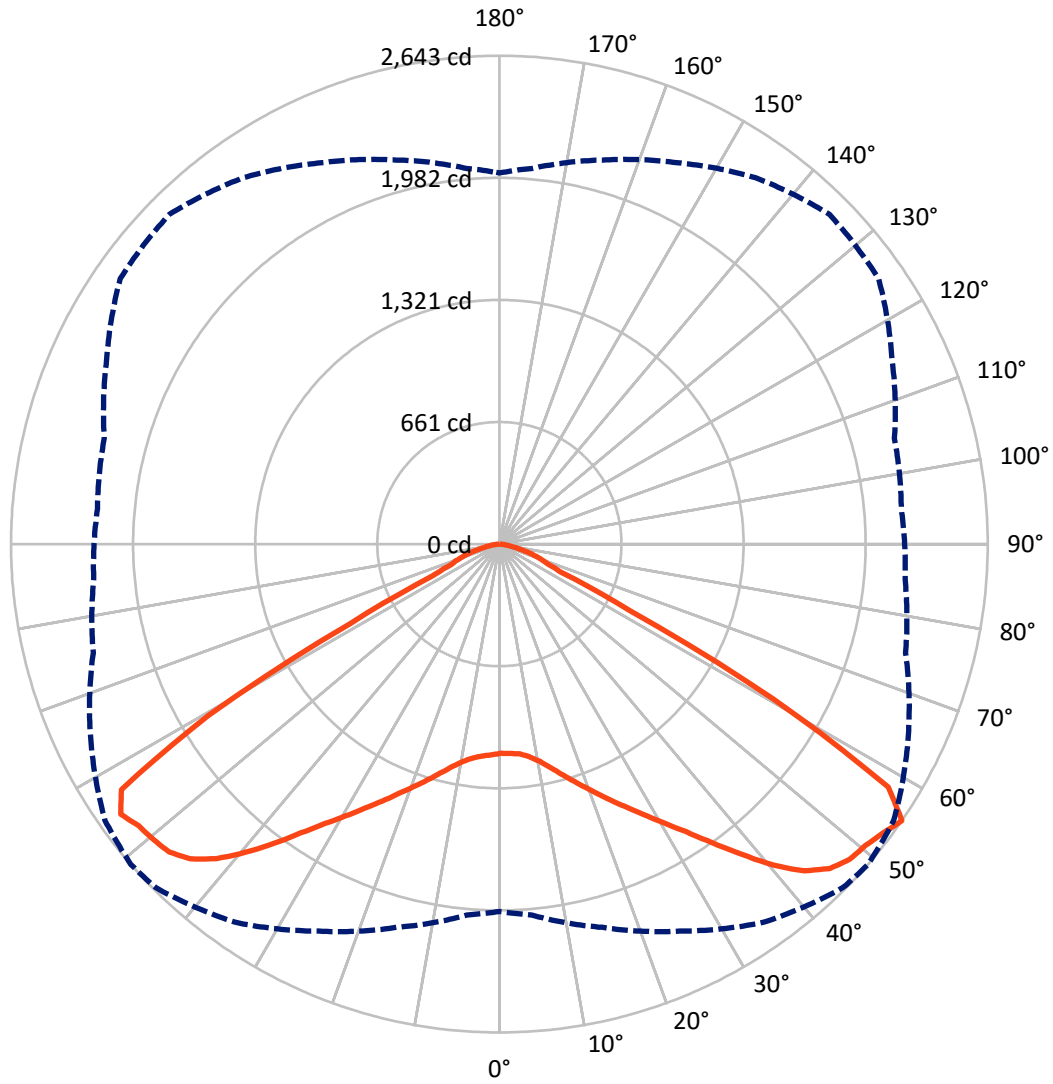
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3383.0	0.0	3383.0
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	3450.0	0.0	3450.0
	% Fixture	50.5	0.0	50.5
Total	Lumens	6833.0	0.0	6833.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	1.6
10°-20°	364.2	5.3
20°-30°	693.7	10.2
30°-40°	1176.0	17.2
40°-50°	1769.8	25.9
50°-60°	1937.2	28.4
60°-70°	612.6	9.0
70°-80°	147.0	2.2
80°-90°	22.1	0.3
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°	6833.0	100.0
0°-180°	6833.0	100.0

Coefficient of Utilization



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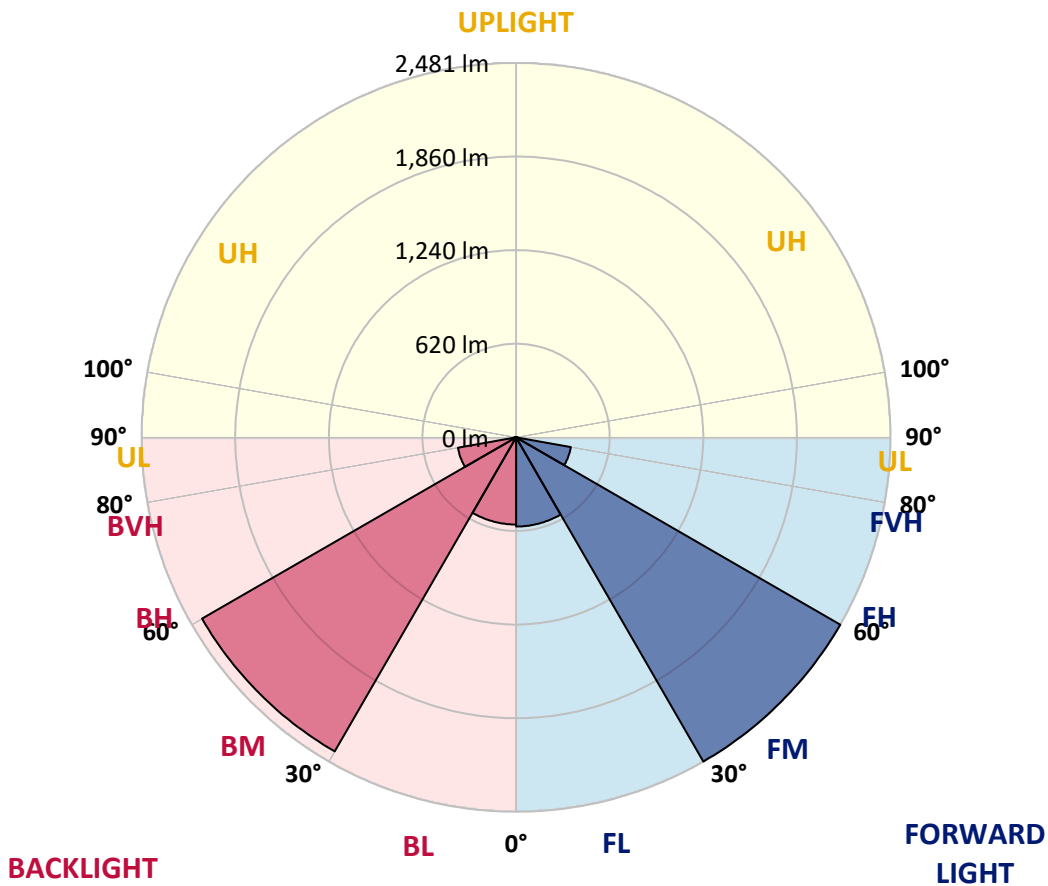
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	590.8	8.6			
FM (30°-60°)	2480.6	36.3			
FH (60°-80°)	368.5	5.4			G0/660
FVH (80°-90°)	10.2	0.1			G1/100
BL (0°-30°)	577.6	8.5	B2/1000		
BM (30°-60°)	2402.4	35.2	B2/2500		
BH (60°-80°)	391.1	5.7	B1/500		G0/660
BVH (80°-90°)	11.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9
2.5°	1115.3	1116.4	1118.6	1122.5	1126.4	1131.9	1134.2	1136.9	1136.4	1139.7	1139.7
5°	1109.7	1111.4	1114.7	1120.3	1126.9	1137.5	1140.3	1146.9	1153.6	1161.9	1164.7
7.5°	1116.4	1118.6	1122.5	1131.4	1141.4	1155.3	1160.8	1171.9	1184.7	1199.7	1205.8
10°	1129.1	1131.9	1138.6	1153.0	1169.2	1190.3	1195.3	1209.2	1229.7	1250.3	1262.5
12.5°	1143.6	1148.0	1160.3	1183.1	1206.9	1234.7	1242.5	1259.7	1282.0	1308.6	1325.3
15°	1160.3	1164.2	1183.1	1215.3	1252.5	1289.2	1298.1	1314.7	1339.8	1365.9	1389.2
17.5°	1195.3	1201.9	1224.2	1261.4	1304.7	1348.1	1358.1	1377.0	1397.0	1417.5	1439.8
20°	1243.1	1248.6	1277.0	1323.1	1374.2	1413.7	1423.7	1440.3	1449.8	1460.3	1479.2
22.5°	1290.9	1298.6	1330.9	1385.3	1445.3	1488.1	1495.9	1511.5	1504.8	1501.5	1513.7
25°	1350.3	1360.9	1392.5	1452.0	1513.1	1565.9	1572.0	1585.4	1574.3	1557.0	1556.5
27.5°	1424.2	1433.7	1466.4	1527.6	1588.1	1643.2	1654.8	1672.6	1648.2	1627.0	1612.0
30°	1512.0	1518.1	1554.2	1619.3	1681.5	1733.7	1748.7	1766.5	1748.2	1713.2	1698.2
32.5°	1614.3	1622.6	1664.3	1732.6	1788.2	1840.4	1855.4	1877.7	1857.7	1818.2	1799.3
35°	1737.1	1745.4	1789.3	1863.8	1920.4	1974.3	1984.9	2003.2	1978.2	1932.7	1917.7
37.5°	1870.4	1881.0	1936.6	2007.1	2066.6	2129.4	2129.9	2135.5	2099.9	2043.2	2026.6
40°	2020.5	2034.4	2089.9	2163.3	2235.0	2286.1	2285.5	2270.0	2210.0	2122.2	2096.6
42.5°	2168.8	2179.9	2236.1	2311.6	2383.3	2431.7	2417.2	2379.4	2292.8	2173.3	2139.4
45°	2276.1	2284.4	2343.3	2428.3	2501.1	2531.1	2505.0	2459.5	2342.2	2205.5	2155.5
47.5°	2326.6	2337.8	2397.2	2481.7	2563.9	2581.2	2550.0	2507.2	2371.1	2235.5	2168.3
50°	2299.4	2313.9	2381.1	2459.5	2552.3	2587.8	2565.6	2522.8	2401.7	2265.0	2191.1
52.5°	2228.8	2242.7	2327.8	2422.8	2527.8	2598.4	2597.8	2562.8	2436.7	2273.3	2192.2
55°	1987.7	2014.9	2147.2	2311.1	2497.8	2629.5	2642.8	2605.6	2442.2	2275.5	2203.8
57.5°	1293.6	1341.4	1467.0	1680.4	2054.9	2391.7	2481.7	2490.6	2402.2	2266.1	2206.1
60°	540.1	578.5	677.9	819.6	1129.1	1529.8	1704.3	1879.3	2090.5	2167.2	2185.5
62.5°	335.6	339.0	349.0	381.2	484.6	680.2	792.4	956.3	1270.3	1537.6	1660.9
65°	302.8	304.5	306.7	304.5	309.5	333.4	363.4	420.7	548.5	681.3	839.1
67.5°	266.7	269.0	270.6	269.0	270.6	271.7	275.1	280.1	303.4	322.3	336.7
70°	215.6	218.9	221.7	220.6	227.3	227.3	230.6	234.5	246.2	260.1	270.1
72.5°	164.5	161.7	165.0	166.1	172.3	175.6	180.6	185.0	198.4	206.7	219.5
75°	106.7	103.9	108.9	111.7	120.0	124.5	128.9	133.4	142.8	148.4	160.6
77.5°	57.8	57.2	62.2	66.1	75.0	80.6	83.9	87.2	95.0	96.7	104.5
80°	33.3	33.3	36.7	39.5	45.0	51.1	54.5	57.2	62.8	64.5	67.8
82.5°	18.3	18.3	20.0	21.7	26.1	29.5	32.2	34.5	39.5	41.1	42.8
85°	8.9	8.3	9.4	10.6	12.2	13.9	15.6	16.7	20.6	21.7	23.9
87.5°	1.1	1.1	1.1	1.7	2.2	3.3	3.9	3.9	6.1	7.2	8.3
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°	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9	1131.9
2.5°	1143.0	1135.8	1140.3	1141.9	1141.9	1140.3	1133.0	1130.8	1127.5	1122.5	1122.5
5°	1168.6	1163.0	1164.2	1161.4	1154.7	1146.4	1133.0	1126.4	1120.8	1114.7	1114.1
7.5°	1212.5	1205.3	1204.2	1193.6	1175.8	1158.0	1138.0	1125.8	1117.5	1109.7	1109.1
10°	1269.7	1263.1	1254.7	1233.6	1207.5	1181.4	1154.2	1137.5	1125.3	1114.1	1113.6
12.5°	1333.6	1325.9	1310.3	1279.2	1246.4	1220.8	1189.7	1164.2	1145.8	1130.8	1128.0
15°	1403.1	1392.0	1365.3	1328.6	1296.4	1269.2	1235.8	1199.2	1171.4	1147.5	1144.7
17.5°	1456.4	1442.0	1413.1	1378.7	1352.0	1324.8	1281.4	1235.3	1195.3	1165.3	1160.8
20°	1493.1	1481.5	1448.7	1423.1	1407.5	1383.7	1333.1	1280.9	1235.8	1198.1	1195.8
22.5°	1527.0	1513.1	1480.9	1465.9	1465.9	1449.8	1401.4	1339.8	1287.0	1243.1	1237.5
25°	1565.4	1550.4	1525.9	1524.2	1532.0	1524.8	1466.4	1400.3	1338.6	1289.2	1280.3
27.5°	1618.7	1602.0	1587.6	1597.6	1608.7	1600.9	1535.9	1459.2	1394.2	1344.2	1336.4
30°	1703.7	1683.2	1669.8	1682.1	1703.7	1680.9	1610.4	1529.2	1463.7	1408.7	1404.8
32.5°	1802.6	1779.3	1765.4	1784.9	1804.3	1768.7	1698.7	1620.9	1552.0	1494.2	1487.6
35°	1921.6	1892.1	1871.5	1897.7	1917.7	1882.7	1813.2	1739.3	1662.6	1602.6	1593.7
37.5°	2027.1	1991.6	1977.7	2014.4	2041.0	2018.2	1942.7	1873.2	1789.3	1723.7	1719.8
40°	2103.8	2068.8	2058.8	2119.4	2166.1	2160.5	2092.7	2013.2	1934.3	1858.8	1851.5
42.5°	2137.2	2112.7	2114.9	2196.6	2268.9	2304.4	2243.9	2158.8	2082.7	2004.4	1999.4
45°	2144.4	2129.4	2147.2	2249.4	2344.4	2417.2	2365.5	2294.4	2208.3	2132.7	2130.5
47.5°	2152.2	2143.8	2171.1	2279.4	2392.2	2476.7	2447.8	2374.4	2287.2	2213.3	2207.7
50°	2170.5	2167.2	2197.7	2300.5	2415.0	2492.8	2460.0	2387.2	2297.8	2225.0	2211.6
52.5°	2176.1	2170.5	2214.4	2333.3	2452.8	2492.2	2421.7	2326.6	2236.6	2155.5	2141.6
55°	2193.3	2183.3	2213.3	2345.5	2505.0	2524.5	2419.4	2277.2	2151.6	2041.0	2008.2
57.5°	2197.7	2186.6	2206.1	2325.5	2448.3	2431.1	2126.6	1837.6	1600.9	1478.1	1492.0
60°	2173.8	2177.2	2143.8	2130.5	1963.8	1733.7	1302.0	1040.8	817.4	722.9	743.5
62.5°	1654.8	1668.7	1554.8	1352.0	1039.7	824.1	545.1	423.4	358.4	341.7	344.5
65°	835.2	854.1	735.7	608.5	452.3	365.6	316.2	306.2	302.8	299.0	299.0
67.5°	330.6	336.2	331.7	310.6	289.0	281.2	279.0	277.8	274.0	271.7	272.3
70°	265.6	270.1	263.4	250.1	241.2	240.6	239.5	237.3	234.5	234.5	236.2
72.5°	216.7	221.2	211.7	203.4	196.7	191.7	188.9	187.3	183.4	183.4	185.0
75°	159.5	162.3	154.5	153.4	146.1	141.1	136.7	134.5	129.5	127.3	128.9
77.5°	106.1	105.6	101.7	101.7	98.9	92.8	87.8	82.8	76.1	71.7	72.8
80°	68.9	68.9	67.2	67.2	64.5	59.5	53.3	48.3	44.5	41.1	41.1
82.5°	43.9	43.3	42.8	42.2	41.1	36.1	31.7	28.3	25.6	23.3	23.9
85°	24.5	24.5	23.3	23.3	21.1	18.3	16.1	13.9	12.2	11.7	11.7
87.5°	8.3	8.3	7.8	7.8	6.7	5.0	3.9	3.3	2.8	2.2	2.8
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)