

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: P631922

Luminaire Tested: GWS-SA2B-760-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631922
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-SA2B-760-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6137.8 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

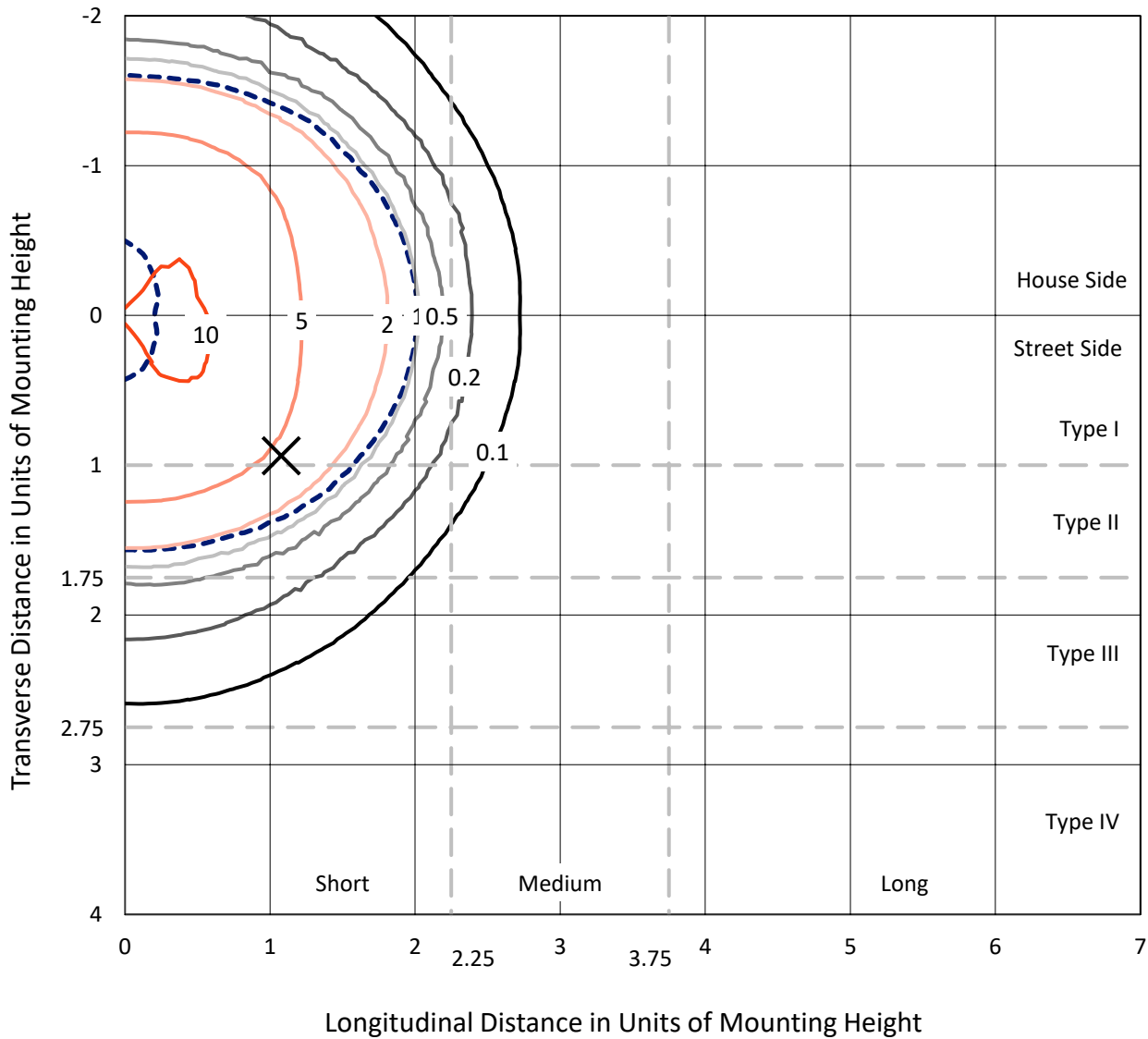
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

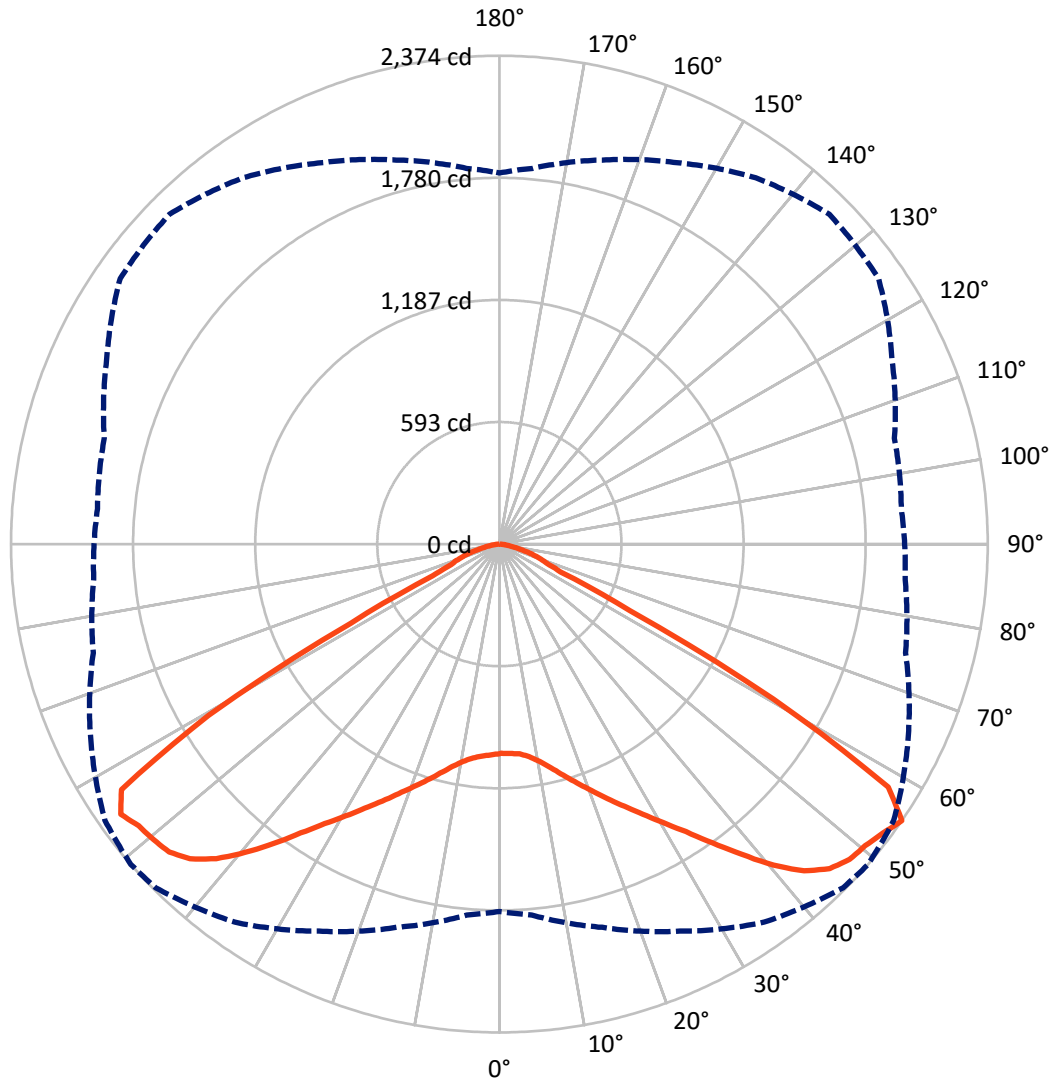
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 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	3038.8	0.0	3038.8
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	3099.0	0.0	3099.0
	% Fixture	50.5	0.0	50.5
Total	Lumens	6137.8	0.0	6137.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	1.6
10°-20°	327.2	5.3
20°-30°	623.1	10.2
30°-40°	1056.4	17.2
40°-50°	1589.7	25.9
50°-60°	1740.1	28.4
60°-70°	550.2	9.0
70°-80°	132.1	2.2
80°-90°	19.8	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°	6137.8	100.0
0°-180°	6137.8	100.0

Coefficient of Utilization



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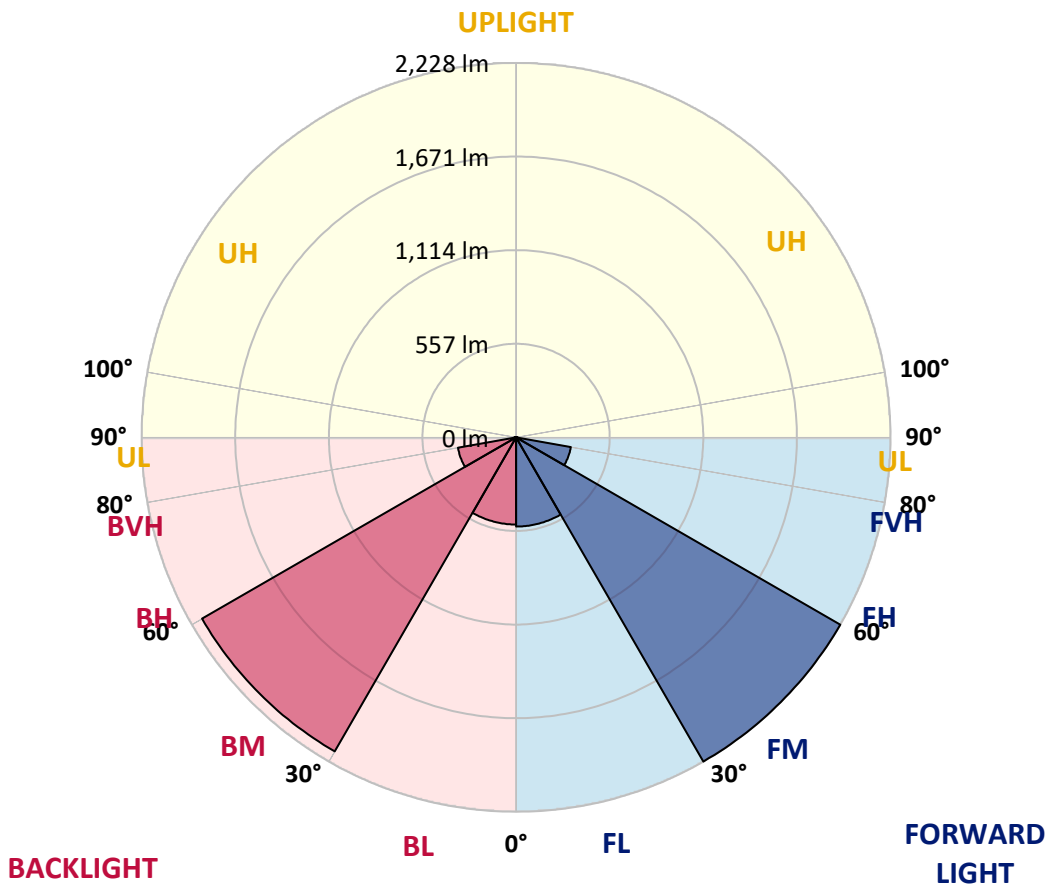
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	530.7	8.6			
FM (30°-60°)	2228.2	36.3			
FH (60°-80°)	331.0	5.4			G0/660
FVH (80°-90°)	9.2	0.1			G0/10
BL (0°-30°)	518.8	8.5	B2/1000		
BM (30°-60°)	2158.0	35.2	B2/2500		
BH (60°-80°)	351.3	5.7	B1/500		G0/660
BVH (80°-90°)	10.6	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°	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8
2.5°	1001.8	1002.8	1004.8	1008.3	1011.8	1016.8	1018.8	1021.3	1020.8	1023.8	1023.8
5°	996.8	998.3	1001.3	1006.3	1012.3	1021.8	1024.3	1030.2	1036.2	1043.7	1046.2
7.5°	1002.8	1004.8	1008.3	1016.3	1025.2	1037.7	1042.7	1052.7	1064.2	1077.7	1083.2
10°	1014.3	1016.8	1022.8	1035.7	1050.2	1069.2	1073.7	1086.1	1104.6	1123.1	1134.1
12.5°	1027.2	1031.2	1042.2	1062.7	1084.1	1109.1	1116.1	1131.6	1151.5	1175.5	1190.5
15°	1042.2	1045.7	1062.7	1091.6	1125.1	1158.0	1166.0	1181.0	1203.4	1226.9	1247.9
17.5°	1073.7	1079.7	1099.6	1133.1	1172.0	1210.9	1219.9	1236.9	1254.9	1273.3	1293.3
20°	1116.6	1121.6	1147.0	1188.5	1234.4	1269.8	1278.8	1293.8	1302.3	1311.8	1328.7
22.5°	1159.5	1166.5	1195.5	1244.4	1298.3	1336.7	1343.7	1357.7	1351.7	1348.7	1359.7
25°	1212.9	1222.4	1250.9	1304.3	1359.2	1406.6	1412.1	1424.1	1414.1	1398.6	1398.1
27.5°	1279.3	1287.8	1317.3	1372.2	1426.6	1476.0	1486.5	1502.4	1480.5	1461.5	1448.0
30°	1358.2	1363.7	1396.1	1454.5	1510.4	1557.3	1570.8	1586.8	1570.3	1538.9	1525.4
32.5°	1450.0	1457.5	1494.9	1556.3	1606.3	1653.2	1666.7	1686.6	1668.7	1633.2	1616.2
35°	1560.3	1567.8	1607.3	1674.1	1725.1	1773.5	1783.0	1799.4	1777.0	1736.0	1722.6
37.5°	1680.1	1689.6	1739.5	1802.9	1856.3	1912.7	1913.2	1918.2	1886.3	1835.4	1820.4
40°	1814.9	1827.4	1877.3	1943.2	2007.6	2053.5	2053.0	2039.0	1985.1	1906.2	1883.3
42.5°	1948.2	1958.2	2008.6	2076.5	2140.8	2184.3	2171.3	2137.4	2059.5	1952.2	1921.7
45°	2044.5	2052.0	2104.9	2181.3	2246.7	2273.6	2250.2	2209.2	2103.9	1981.1	1936.2
47.5°	2089.9	2099.9	2153.3	2229.2	2303.1	2318.5	2290.6	2252.2	2129.9	2008.1	1947.7
50°	2065.5	2078.5	2138.8	2209.2	2292.6	2324.5	2304.6	2266.1	2157.3	2034.5	1968.1
52.5°	2002.1	2014.6	2090.9	2176.3	2270.6	2334.0	2333.5	2302.1	2188.8	2042.0	1969.1
55°	1785.5	1809.9	1928.7	2076.0	2243.7	2362.0	2373.9	2340.5	2193.8	2044.0	1979.6
57.5°	1162.0	1204.9	1317.7	1509.4	1845.8	2148.3	2229.2	2237.2	2157.8	2035.5	1981.6
60°	485.2	519.6	609.0	736.2	1014.3	1374.2	1530.9	1688.1	1877.8	1946.7	1963.1
62.5°	301.5	304.5	313.5	342.4	435.3	611.0	711.8	859.0	1141.1	1381.1	1492.0
65°	272.0	273.5	275.5	273.5	278.0	299.5	326.4	377.9	492.7	612.0	753.7
67.5°	239.6	241.6	243.1	241.6	243.1	244.1	247.1	251.6	272.5	289.5	302.5
70°	193.7	196.7	199.2	198.2	204.2	204.2	207.1	210.6	221.1	233.6	242.6
72.5°	147.7	145.3	148.2	149.2	154.7	157.7	162.2	166.2	178.2	185.7	197.2
75°	95.8	93.3	97.8	100.3	107.8	111.8	115.8	119.8	128.3	133.3	144.3
77.5°	51.9	51.4	55.9	59.4	67.4	72.4	75.4	78.4	85.4	86.9	93.8
80°	29.9	29.9	32.9	35.4	40.4	45.9	48.9	51.4	56.4	57.9	60.9
82.5°	16.5	16.5	18.0	19.5	23.5	26.5	29.0	30.9	35.4	36.9	38.4
85°	8.0	7.5	8.5	9.5	11.0	12.5	14.0	15.0	18.5	19.5	21.5
87.5°	1.0	1.0	1.0	1.5	2.0	3.0	3.5	3.5	5.5	6.5	7.5
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°	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8
2.5°	1026.7	1020.3	1024.3	1025.7	1025.7	1024.3	1017.8	1015.8	1012.8	1008.3	1008.3
5°	1049.7	1044.7	1045.7	1043.2	1037.2	1029.7	1017.8	1011.8	1006.8	1001.3	1000.8
7.5°	1089.1	1082.7	1081.7	1072.2	1056.2	1040.2	1022.3	1011.3	1003.8	996.8	996.3
10°	1140.6	1134.6	1127.1	1108.1	1084.6	1061.2	1036.7	1021.8	1010.8	1000.8	1000.3
12.5°	1198.0	1191.0	1177.0	1149.0	1119.6	1096.6	1068.7	1045.7	1029.2	1015.8	1013.3
15°	1260.3	1250.4	1226.4	1193.5	1164.5	1140.1	1110.1	1077.2	1052.2	1030.7	1028.2
17.5°	1308.3	1295.3	1269.3	1238.4	1214.4	1190.0	1151.0	1109.6	1073.7	1046.7	1042.7
20°	1341.2	1330.7	1301.3	1278.3	1264.3	1242.9	1197.5	1150.5	1110.1	1076.2	1074.2
22.5°	1371.7	1359.2	1330.2	1316.8	1316.8	1302.3	1258.9	1203.4	1156.0	1116.6	1111.6
25°	1406.1	1392.6	1370.7	1369.2	1376.2	1369.7	1317.3	1257.9	1202.4	1158.0	1150.0
27.5°	1454.0	1439.0	1426.1	1435.0	1445.0	1438.0	1379.6	1310.8	1252.4	1207.4	1200.5
30°	1530.4	1511.9	1499.9	1510.9	1530.4	1509.9	1446.5	1373.7	1314.8	1265.3	1261.8
32.5°	1619.2	1598.3	1585.8	1603.3	1620.7	1588.8	1525.9	1456.0	1394.1	1342.2	1336.2
35°	1726.1	1699.6	1681.1	1704.6	1722.6	1691.1	1628.7	1562.3	1493.4	1439.5	1431.6
37.5°	1820.9	1788.9	1776.5	1809.4	1833.4	1812.9	1745.0	1682.6	1607.3	1548.4	1544.9
40°	1889.8	1858.3	1849.3	1903.7	1945.7	1940.7	1879.8	1808.4	1737.5	1669.6	1663.2
42.5°	1919.7	1897.8	1899.8	1973.1	2038.0	2070.0	2015.6	1939.2	1870.8	1800.4	1795.9
45°	1926.2	1912.7	1928.7	2020.5	2105.9	2171.3	2124.9	2061.0	1983.6	1915.7	1913.7
47.5°	1933.2	1925.7	1950.2	2047.5	2148.8	2224.7	2198.7	2132.9	2054.5	1988.1	1983.1
50°	1949.7	1946.7	1974.1	2066.5	2169.3	2239.2	2209.7	2144.3	2064.0	1998.6	1986.6
52.5°	1954.7	1949.7	1989.1	2095.9	2203.2	2238.7	2175.3	2089.9	2009.1	1936.2	1923.7
55°	1970.1	1961.2	1988.1	2106.9	2250.2	2267.6	2173.3	2045.5	1932.7	1833.4	1803.9
57.5°	1974.1	1964.1	1981.6	2088.9	2199.2	2183.8	1910.2	1650.7	1438.0	1327.7	1340.2
60°	1952.7	1955.7	1925.7	1913.7	1764.0	1557.3	1169.5	934.9	734.2	649.4	667.9
62.5°	1486.5	1498.9	1396.6	1214.4	933.9	740.2	489.7	380.4	322.0	307.0	309.5
65°	750.2	767.2	660.9	546.6	406.3	328.4	284.0	275.0	272.0	268.5	268.5
67.5°	297.0	302.0	298.0	279.0	259.6	252.6	250.6	249.6	246.1	244.1	244.6
70°	238.6	242.6	236.6	224.6	216.6	216.1	215.1	213.1	210.6	210.6	212.1
72.5°	194.7	198.7	190.2	182.7	176.7	172.2	169.7	168.2	164.7	164.7	166.2
75°	143.3	145.8	138.8	137.8	131.3	126.8	122.8	120.8	116.3	114.3	115.8
77.5°	95.3	94.8	91.3	91.3	88.8	83.4	78.9	74.4	68.4	64.4	65.4
80°	61.9	61.9	60.4	60.4	57.9	53.4	47.9	43.4	39.9	36.9	36.9
82.5°	39.4	38.9	38.4	37.9	36.9	32.4	28.5	25.5	23.0	21.0	21.5
85°	22.0	22.0	21.0	21.0	19.0	16.5	14.5	12.5	11.0	10.5	10.5
87.5°	7.5	7.5	7.0	7.0	6.0	4.5	3.5	3.0	2.5	2.0	2.5
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)