

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: P630962

Luminaire Tested: GWS-SA1E-760-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-760-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6525.1 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

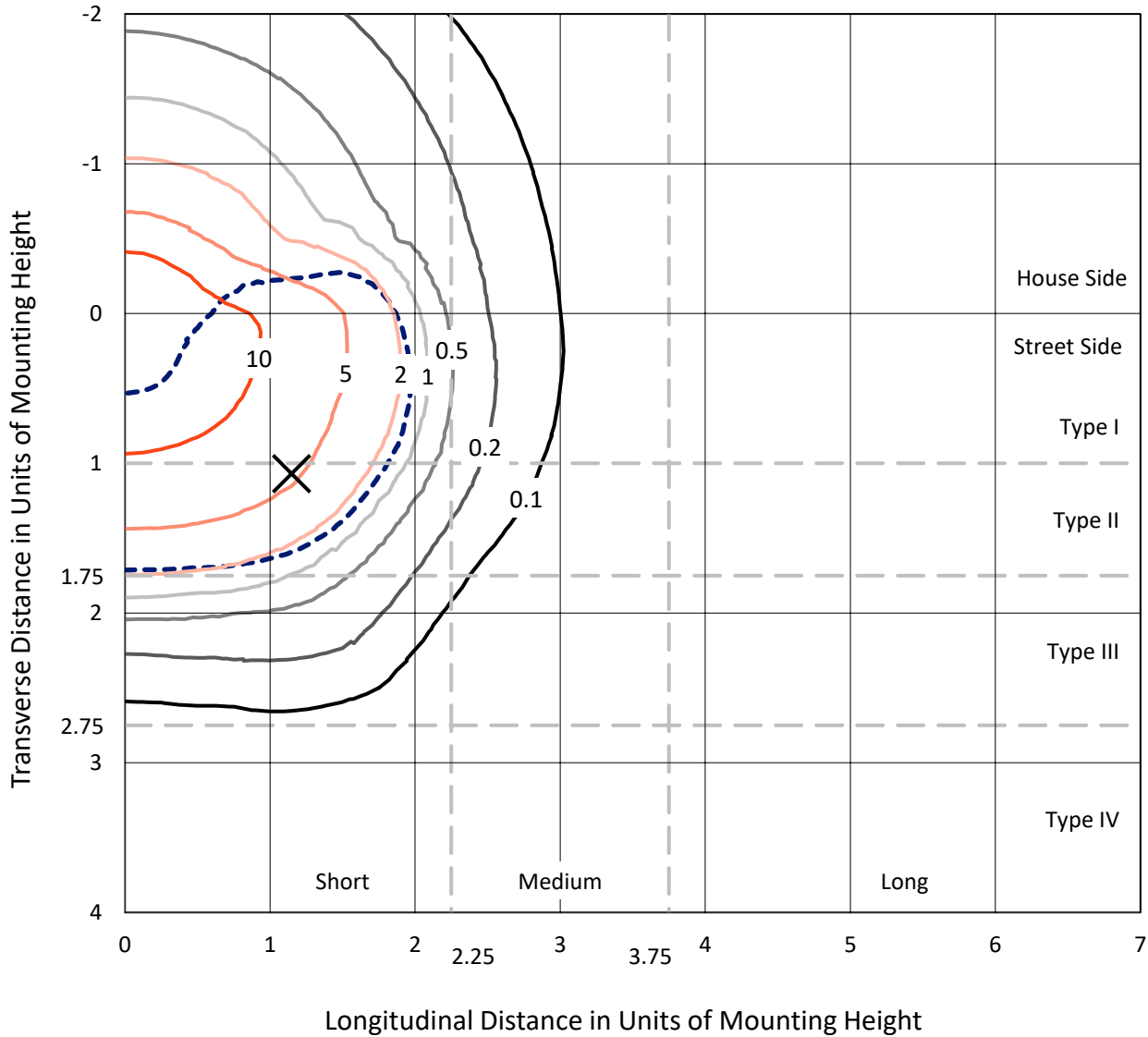
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

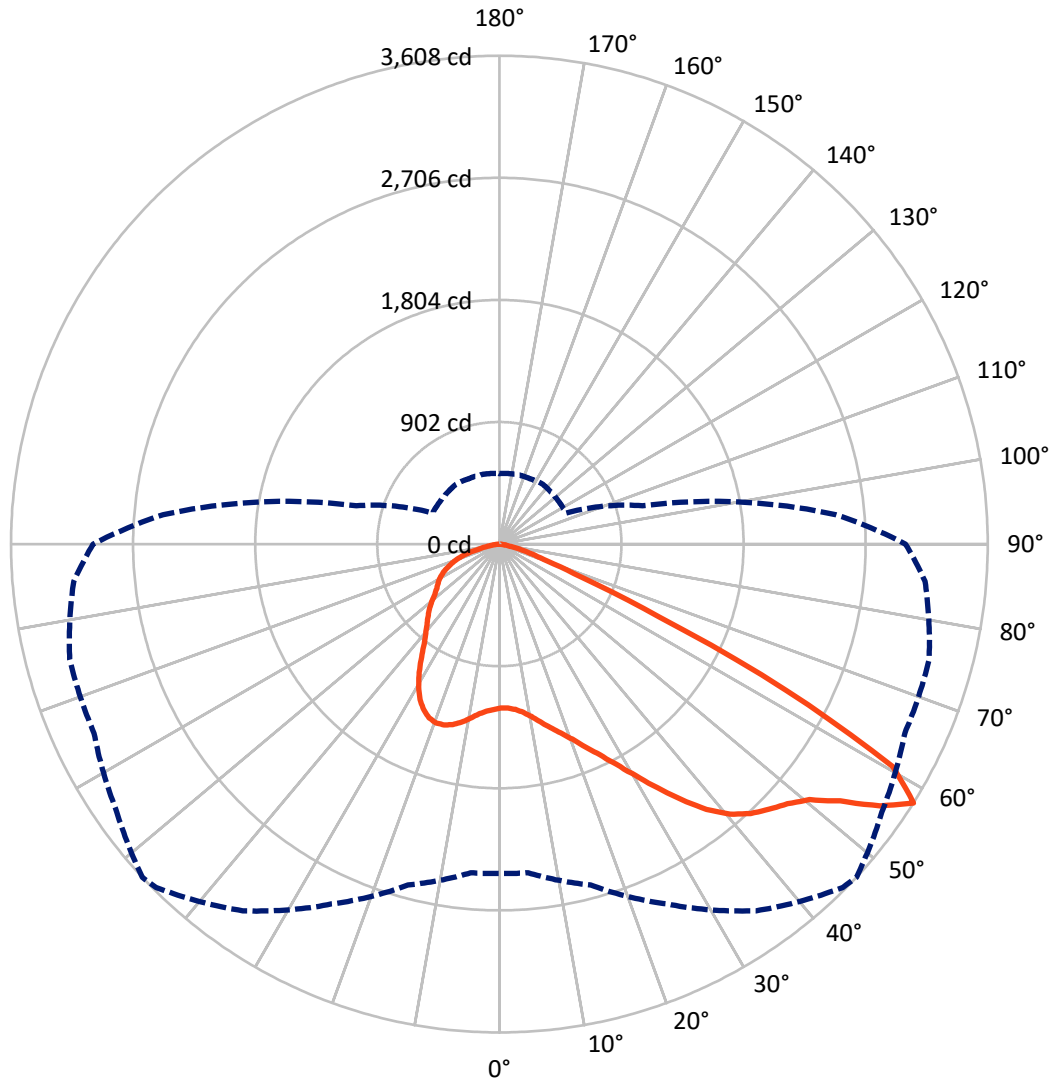
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2065.2	0.0	2065.2
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	4459.9	0.0	4459.9
	% Fixture	68.4	0.0	68.4
Total	Lumens	6525.1	0.0	6525.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.4	1.8
10°-20°	392.6	6.0
20°-30°	706.8	10.8
30°-40°	1067.6	16.4
40°-50°	1437.7	22.0
50°-60°	1727.5	26.5
60°-70°	841.3	12.9
70°-80°	207.3	3.2
80°-90°	24.9	0.4
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°	6525.1	100.0
0°-180°	6525.1	100.0

Coefficient of Utilization



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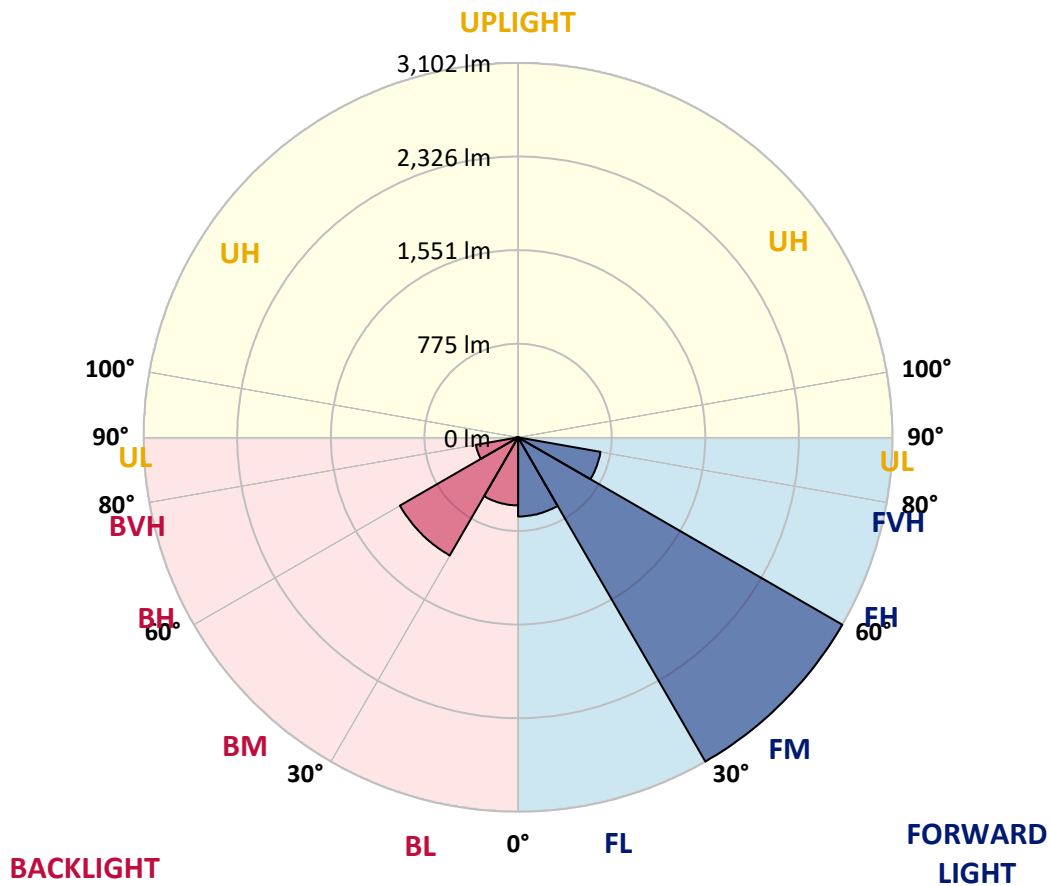
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	655.4	10.0			
FM (30°-60°)	3101.7	47.5			
FH (60°-80°)	693.4	10.6			G1/1800
FVH (80°-90°)	9.4	0.1			G0/10
BL (0°-30°)	563.3	8.6	B2/1000		
BM (30°-60°)	1131.1	17.3	B2/2500		
BH (60°-80°)	355.2	5.4	B1/500		G1/500
BVH (80°-90°)	15.5	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1
2.5°	1207.9	1207.3	1207.3	1210.6	1210.6	1211.7	1213.4	1215.0	1215.6	1212.8	1206.8
5°	1221.1	1221.1	1221.1	1223.8	1223.8	1224.9	1227.1	1227.6	1227.1	1222.7	1216.7
7.5°	1241.9	1241.9	1242.4	1245.7	1248.5	1250.1	1253.9	1253.4	1251.7	1244.6	1236.9
10°	1275.9	1277.5	1279.1	1283.0	1288.5	1292.3	1295.0	1295.0	1292.8	1281.9	1272.0
12.5°	1324.1	1326.3	1327.9	1331.2	1335.6	1342.2	1348.2	1348.2	1345.5	1331.8	1317.0
15°	1380.5	1382.7	1382.2	1383.3	1391.5	1400.8	1405.7	1409.0	1410.1	1390.9	1367.9
17.5°	1445.2	1447.4	1445.2	1441.9	1443.0	1457.8	1466.6	1478.6	1485.8	1460.0	1423.3
20°	1503.8	1501.7	1501.7	1503.8	1507.1	1525.2	1538.4	1558.1	1566.9	1535.6	1478.6
22.5°	1565.8	1570.7	1568.5	1568.5	1581.7	1611.8	1627.7	1653.5	1662.8	1622.2	1545.5
25°	1645.8	1650.2	1649.1	1650.2	1665.5	1708.3	1724.2	1771.8	1781.2	1723.1	1619.5
27.5°	1733.5	1740.6	1743.9	1742.8	1767.5	1823.4	1843.1	1909.4	1926.4	1836.0	1698.4
30°	1847.5	1855.1	1857.9	1856.8	1885.8	1962.0	1984.5	2060.1	2084.2	1969.7	1798.7
32.5°	1979.5	1987.2	1995.4	1998.7	2036.0	2113.8	2146.2	2224.5	2259.1	2124.2	1919.8
35°	2110.5	2117.1	2133.0	2158.8	2209.7	2289.2	2317.7	2395.0	2428.4	2284.8	2066.1
37.5°	2255.2	2259.6	2273.3	2308.9	2382.4	2458.0	2486.5	2560.5	2564.3	2439.9	2231.7
40°	2413.6	2413.6	2410.9	2445.9	2522.7	2598.8	2623.5	2666.3	2643.8	2559.4	2392.8
42.5°	2547.9	2545.7	2547.9	2580.8	2637.8	2699.7	2721.1	2712.8	2684.3	2650.9	2538.6
45°	2669.0	2670.6	2690.4	2715.6	2745.2	2781.9	2794.5	2747.9	2722.2	2724.3	2655.3
47.5°	2751.2	2752.8	2798.9	2841.1	2859.2	2870.7	2865.2	2800.5	2787.4	2812.0	2745.2
50°	2762.2	2770.9	2850.4	2937.0	2981.9	2983.6	2968.2	2889.3	2885.5	2913.4	2793.4
52.5°	2764.4	2773.1	2872.3	3028.5	3145.2	3169.9	3152.4	3070.2	3030.2	3002.2	2852.6
55°	2756.1	2766.0	2875.6	3089.9	3313.5	3412.1	3413.8	3297.6	3169.9	3151.3	3021.4
57.5°	2433.3	2437.2	2607.1	2933.7	3306.9	3586.4	3607.8	3450.0	3304.2	3286.6	3156.8
60°	1695.1	1710.5	1895.1	2326.5	2778.1	3270.7	3339.8	3293.8	3196.2	3068.5	2708.5
62.5°	848.9	862.1	1047.3	1455.1	1916.0	2305.1	2379.1	2427.9	2450.9	2313.9	1844.2
65°	365.5	375.4	490.5	760.1	1084.6	1272.6	1298.3	1357.0	1500.6	1338.9	993.6
67.5°	244.4	251.0	309.6	463.6	639.0	651.1	647.2	659.8	691.1	570.5	448.9
70°	187.4	192.9	232.4	339.8	459.3	393.0	372.1	337.6	366.6	373.8	363.9
72.5°	135.9	140.3	169.9	231.8	287.7	251.0	247.7	265.3	304.7	315.7	309.6
75°	87.7	89.9	108.0	127.1	148.5	161.1	167.7	199.5	239.5	247.7	240.6
77.5°	58.6	60.3	70.7	81.7	84.4	84.9	87.1	101.4	128.8	144.1	142.5
80°	30.7	30.7	34.5	34.5	39.5	47.1	49.3	58.6	71.2	78.9	79.5
82.5°	12.1	12.6	14.8	16.4	19.7	24.1	25.8	30.7	37.3	42.7	47.7
85°	4.9	5.5	6.0	7.1	8.8	11.0	11.5	13.2	17.5	21.9	24.7
87.5°	0.0	0.0	0.5	0.5	1.1	1.6	1.6	2.2	2.7	4.9	6.6
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°	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1	1210.1
2.5°	1213.9	1206.8	1213.9	1216.1	1222.1	1224.3	1220.5	1220.0	1220.0	1214.5	1212.8
5°	1222.1	1215.6	1222.7	1226.0	1234.8	1240.2	1241.3	1245.7	1248.5	1246.3	1245.7
7.5°	1242.4	1234.2	1241.9	1246.8	1258.3	1267.1	1270.9	1280.8	1287.9	1286.8	1286.3
10°	1278.0	1267.1	1275.9	1284.1	1296.7	1307.1	1307.6	1313.1	1320.2	1318.1	1317.0
12.5°	1319.2	1308.7	1318.6	1326.8	1341.6	1346.0	1338.9	1336.7	1337.8	1335.0	1332.9
15°	1369.6	1354.8	1363.5	1372.9	1381.1	1376.1	1360.8	1354.8	1354.2	1350.4	1348.2
17.5°	1420.0	1401.4	1407.9	1412.9	1409.0	1393.7	1374.5	1364.1	1359.2	1351.5	1349.3
20°	1469.9	1446.3	1445.2	1441.4	1423.8	1395.9	1370.1	1349.3	1336.7	1326.3	1322.4
22.5°	1526.9	1494.0	1477.5	1460.0	1421.6	1376.1	1337.2	1307.6	1287.4	1274.2	1269.8
25°	1588.2	1541.7	1507.7	1472.6	1399.7	1333.9	1279.7	1239.1	1215.0	1200.8	1195.8
27.5°	1649.1	1585.0	1534.0	1474.2	1355.9	1273.1	1200.2	1145.4	1121.3	1109.8	1106.0
30°	1731.3	1642.5	1565.2	1452.9	1298.3	1188.7	1097.7	1042.4	1026.5	1018.3	1015.0
32.5°	1826.1	1715.4	1606.9	1407.9	1224.9	1090.1	994.2	955.8	944.8	928.9	928.4
35°	1951.0	1819.5	1646.3	1341.6	1132.3	984.3	914.7	887.3	867.6	842.3	840.2
37.5°	2096.8	1949.4	1667.7	1257.2	1024.3	897.2	855.5	824.8	793.0	759.6	755.2
40°	2247.5	2101.2	1669.4	1157.5	918.5	839.6	804.5	764.5	725.1	687.8	682.9
42.5°	2405.9	2242.6	1640.3	1042.4	831.9	789.7	754.1	703.7	659.3	634.1	631.4
45°	2547.3	2356.6	1574.5	921.3	767.8	748.1	702.6	648.3	624.8	606.7	602.9
47.5°	2658.6	2432.2	1485.8	812.8	715.8	705.3	646.1	618.2	600.1	583.7	579.8
50°	2713.4	2449.2	1370.1	724.5	667.5	654.9	614.4	593.0	580.9	567.8	564.5
52.5°	2781.3	2468.4	1270.4	650.5	620.4	603.4	588.1	571.1	562.3	554.1	551.3
55°	2937.5	2540.7	1217.8	591.3	575.5	567.8	565.6	551.3	548.6	543.1	538.2
57.5°	3001.1	2494.2	1093.4	543.1	539.8	540.9	546.4	533.3	530.5	523.9	520.6
60°	2413.6	1885.3	740.4	501.5	510.2	517.4	522.8	509.7	505.8	504.8	500.4
62.5°	1546.6	1159.7	516.8	462.6	475.7	484.5	487.8	475.2	472.4	481.2	481.7
65°	805.1	631.9	419.3	420.9	431.9	445.0	451.6	447.2	446.1	455.4	456.0
67.5°	411.0	386.4	365.5	371.6	380.3	397.3	412.7	431.9	438.4	439.5	440.1
70°	350.2	339.2	328.8	332.7	342.0	351.3	366.1	375.4	364.5	361.7	360.6
72.5°	298.1	289.9	285.0	289.4	294.3	292.7	288.3	292.7	294.3	294.8	295.4
75°	231.8	225.8	222.0	222.5	222.5	216.5	208.3	203.3	197.8	193.5	193.5
77.5°	141.9	143.0	146.9	146.3	145.8	143.6	135.4	131.0	117.8	114.0	114.0
80°	81.1	82.8	86.6	87.7	87.7	84.9	76.7	71.8	65.8	63.0	62.5
82.5°	49.3	51.5	53.7	54.8	55.4	52.1	44.9	41.1	37.8	35.1	35.1
85°	25.8	26.9	29.0	29.6	28.0	24.7	20.8	19.2	15.9	15.3	15.3
87.5°	7.1	7.7	8.8	7.1	6.6	4.9	2.7	2.2	1.1	0.5	0.5
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)