

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: P630433

Luminaire Tested: GWS-SA1D-760-U-AFL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630433
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-760-U-AFL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE 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: 5550 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

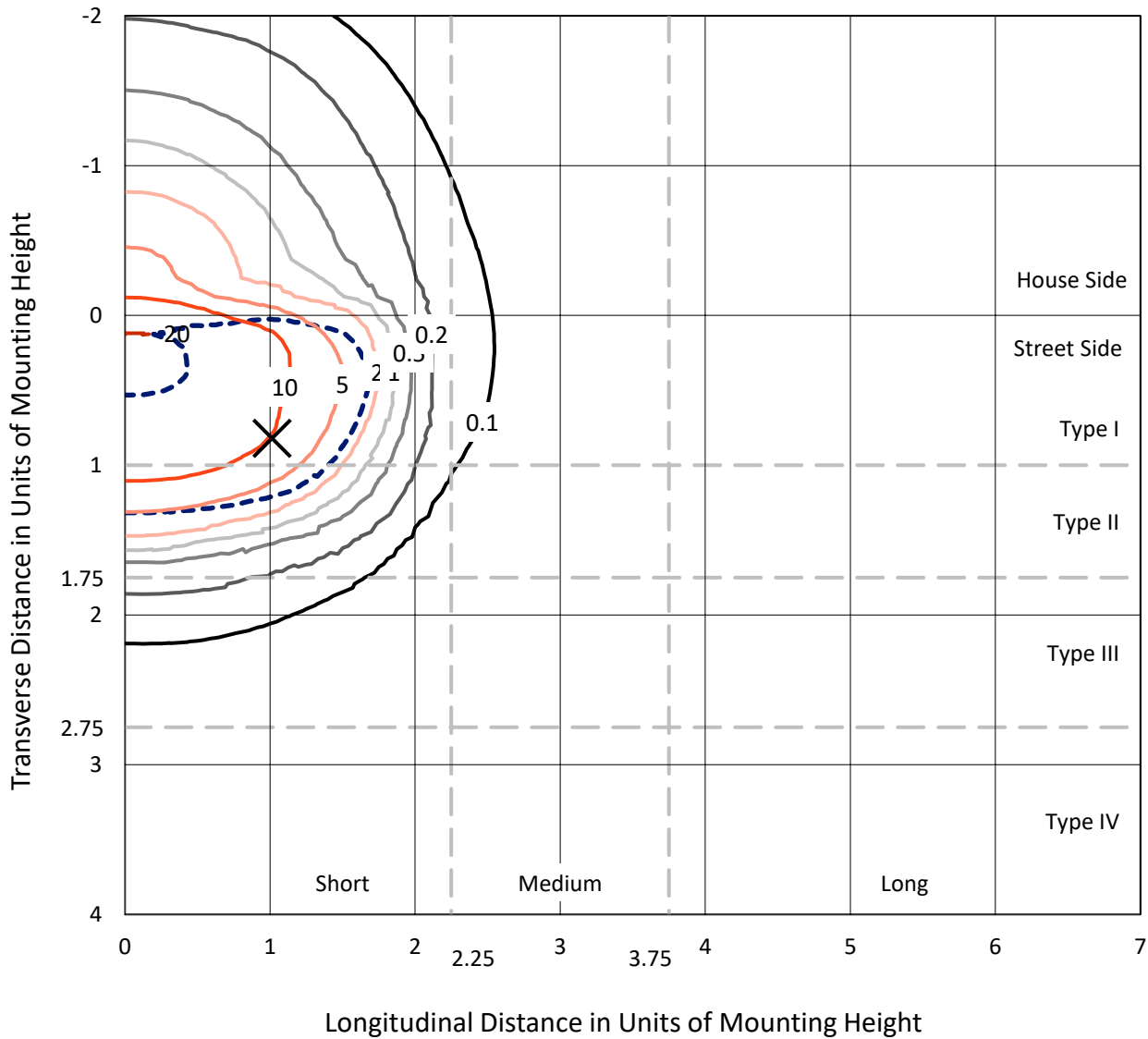
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

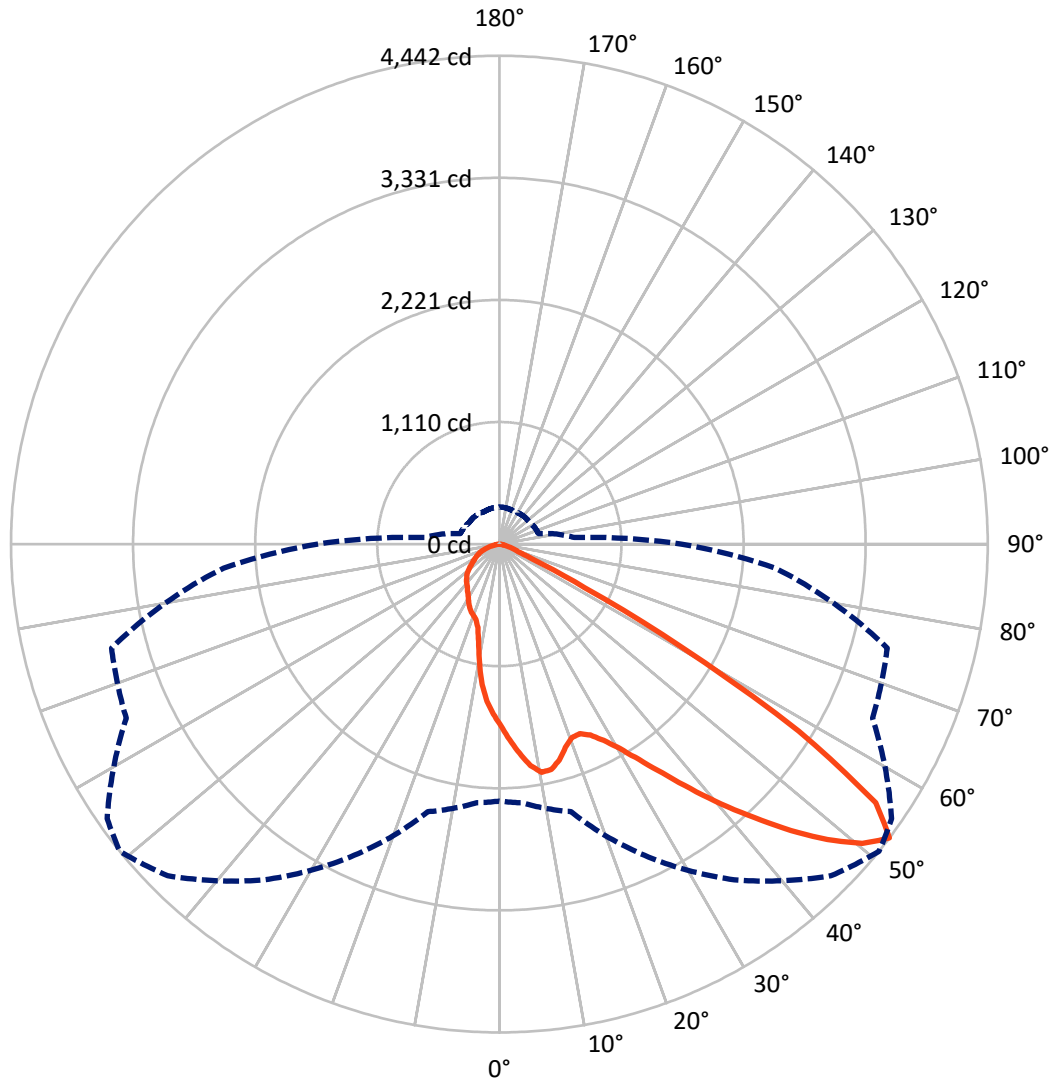
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1081.4	0.0	1081.4
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	4468.6	0.0	4468.6
	% Fixture	80.5	0.0	80.5
Total	Lumens	5550.0	0.0	5550.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.2	2.8
10°-20°	400.7	7.2
20°-30°	651.5	11.7
30°-40°	1032.4	18.6
40°-50°	1557.1	28.1
50°-60°	1347.0	24.3
60°-70°	305.4	5.5
70°-80°	90.0	1.6
80°-90°	11.6	0.2
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°	5550.0	100.0
0°-180°	5550.0	100.0

Coefficient of Utilization



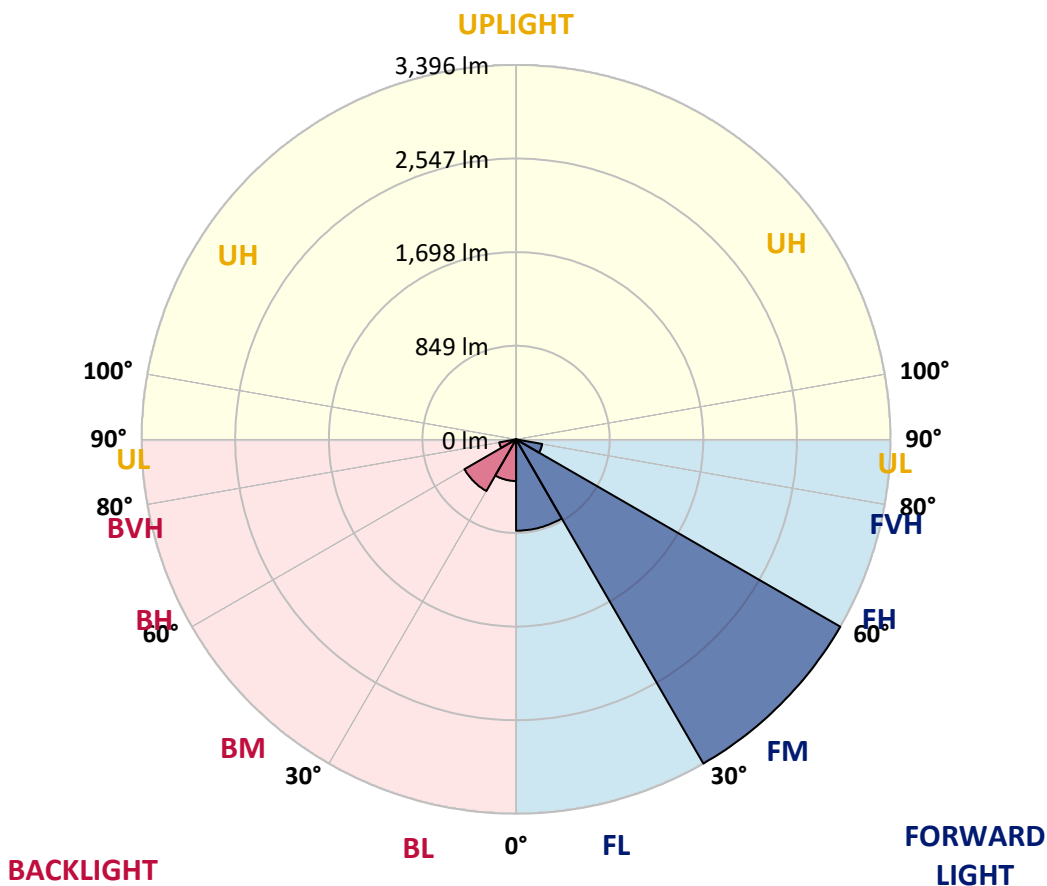
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	828.4	14.9			
FM (30°-60°)	3395.6	61.2			
FH (60°-80°)	240.3	4.3			G0/660
FVH (80°-90°)	4.4	0.1			G0/10
BL (0°-30°)	378.0	6.8	B1/500		
BM (30°-60°)	541.0	9.7	B1/1000		
BH (60°-80°)	155.1	2.8	B1/500		G1/500
BVH (80°-90°)	7.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	1652.5	1652.5	1652.5	1652.5	1652.5	1652.5	1652.5	1652.5	1652.5	1652.5	1652.5
2.5°	1841.5	1852.1	1835.8	1829.7	1819.6	1802.1	1781.9	1776.2	1732.8	1704.3	1672.2
5°	2026.6	2032.3	2019.2	2006.0	1981.0	1949.9	1910.8	1902.5	1823.6	1758.2	1690.2
7.5°	2067.8	2065.6	2077.0	2084.5	2081.4	2069.1	2034.5	2018.3	1924.0	1820.5	1720.1
10°	1904.7	1892.4	1934.5	1984.5	2044.6	2113.9	2109.9	2108.6	2026.6	1904.2	1758.2
12.5°	1688.5	1682.3	1716.5	1779.3	1892.8	2046.3	2103.8	2148.5	2119.1	1984.1	1800.7
15°	1564.8	1562.6	1585.9	1631.0	1721.4	1915.2	2038.0	2126.6	2198.5	2069.6	1845.9
17.5°	1542.4	1543.7	1551.6	1577.5	1642.4	1802.1	1944.2	2067.8	2260.4	2163.4	1902.5
20°	1607.8	1616.5	1603.0	1606.9	1642.0	1761.3	1880.1	2008.6	2299.8	2257.7	1963.5
22.5°	1752.9	1749.9	1720.1	1702.5	1702.9	1786.3	1873.1	1981.0	2325.7	2349.4	2018.7
25°	1917.4	1913.9	1878.4	1839.3	1814.8	1854.3	1923.5	2010.4	2349.0	2433.2	2063.0
27.5°	2111.7	2100.7	2061.3	2011.3	1956.9	1974.0	2020.9	2089.8	2384.9	2515.6	2092.4
30°	2299.8	2312.6	2256.0	2196.8	2139.3	2128.8	2156.0	2218.3	2458.2	2612.1	2127.5
32.5°	2549.4	2545.0	2482.3	2405.1	2323.1	2315.2	2336.7	2393.7	2589.7	2745.4	2181.0
35°	2851.5	2852.4	2763.4	2659.0	2542.4	2521.3	2557.3	2612.5	2785.8	2926.1	2265.6
37.5°	3165.6	3164.2	3086.6	2968.2	2809.0	2779.2	2820.4	2861.6	3030.9	3172.1	2397.2
40°	3385.7	3394.5	3358.1	3295.8	3144.9	3072.1	3108.5	3137.1	3297.6	3461.6	2570.4
42.5°	3510.7	3523.9	3531.8	3569.0	3489.7	3412.0	3398.9	3413.8	3535.7	3730.4	2733.1
45°	3537.5	3555.0	3612.5	3750.6	3781.3	3759.4	3716.4	3680.4	3713.3	3921.2	2839.7
47.5°	3419.5	3450.2	3573.0	3814.6	3994.0	4062.9	4015.1	3960.2	3816.0	3970.3	2828.7
50°	2952.0	2987.9	3264.7	3683.9	4024.3	4275.1	4279.5	4198.4	3803.7	3828.7	2691.0
52.5°	2337.1	2361.7	2520.0	3123.0	3727.4	4266.4	4441.8	4354.9	3744.5	3651.5	2518.7
55°	1396.8	1436.3	1584.1	2060.4	2903.7	3781.3	4155.0	4197.1	3715.5	3502.8	2401.1
57.5°	471.5	490.8	632.0	910.0	1711.3	2768.7	3210.3	3381.3	3373.0	3275.6	2171.8
60°	224.5	228.9	257.4	345.2	685.0	1446.8	1900.3	2097.7	2277.5	2295.4	1351.2
62.5°	171.0	173.7	188.1	207.0	275.4	609.6	871.0	1021.9	1091.6	936.8	492.1
65°	143.0	145.2	156.1	168.0	187.3	264.0	334.2	385.5	347.3	270.6	234.6
67.5°	119.3	121.0	129.4	142.1	155.3	176.7	185.5	190.8	200.0	224.5	215.8
70°	93.4	95.2	103.9	114.9	127.6	132.9	141.2	146.5	164.9	196.5	195.6
72.5°	71.9	74.1	78.9	86.0	96.5	101.7	111.0	117.1	127.6	153.1	163.6
75°	52.6	53.9	58.3	60.5	61.8	60.5	69.7	76.7	90.8	100.4	103.1
77.5°	21.5	24.1	23.2	23.2	27.6	33.3	38.2	42.5	52.2	57.9	58.3
80°	8.8	9.6	11.4	12.7	15.3	19.7	22.8	24.6	28.9	32.5	35.1
82.5°	5.3	5.7	6.6	7.0	8.8	11.4	13.2	14.5	18.0	21.5	22.8
85°	2.6	2.6	3.1	3.5	4.4	5.3	6.1	7.0	9.2	11.4	12.7
87.5°	0.4	0.4	0.4	0.9	1.3	1.8	2.2	2.6	3.1	3.5	4.4
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°	1652.5	1652.5	1652.5	1652.5	1652.5	1652.5	1652.5	1652.5	1652.5	1652.5	1652.5
2.5°	1653.4	1629.7	1602.1	1580.1	1554.7	1535.9	1509.1	1492.4	1476.6	1463.5	1453.8
5°	1655.1	1615.2	1557.8	1506.9	1454.3	1404.3	1353.0	1311.3	1274.0	1242.9	1240.3
7.5°	1665.2	1607.8	1517.9	1428.8	1326.2	1227.1	1128.0	1047.3	985.9	953.9	947.3
10°	1682.3	1606.9	1477.1	1335.0	1160.0	1000.4	882.8	821.4	785.9	773.2	768.8
12.5°	1700.3	1604.7	1424.9	1202.5	959.6	819.7	755.2	747.8	754.3	755.2	754.8
15°	1722.2	1603.4	1359.1	1047.3	813.1	735.9	740.3	756.1	771.4	774.9	774.9
17.5°	1749.0	1600.3	1269.6	895.5	721.4	719.7	742.9	764.0	778.5	781.1	781.1
20°	1777.1	1592.4	1159.6	771.9	684.2	709.6	734.6	750.8	760.9	764.4	764.9
22.5°	1796.4	1571.4	1032.8	680.2	660.9	690.3	708.3	724.9	724.9	716.2	713.5
25°	1800.3	1526.2	895.5	617.5	633.3	660.5	678.9	669.2	651.3	644.3	643.8
27.5°	1785.8	1460.4	760.0	572.8	600.0	627.1	624.1	610.0	602.1	595.1	597.8
30°	1768.3	1381.5	642.5	535.9	561.4	588.1	577.6	572.8	567.1	559.2	560.9
32.5°	1756.5	1293.3	552.2	507.4	535.5	539.9	547.3	546.9	541.6	526.7	525.8
35°	1760.0	1204.3	491.6	484.2	514.0	512.2	526.3	523.6	487.2	466.6	465.3
37.5°	1788.0	1118.8	456.1	465.8	479.8	490.8	503.0	471.5	458.7	445.6	446.5
40°	1841.5	1039.4	436.8	455.7	459.2	475.4	446.9	446.5	440.8	428.9	428.5
42.5°	1902.1	972.3	423.7	450.8	446.0	449.1	418.8	422.3	421.9	414.4	412.3
45°	1938.9	910.5	413.1	432.9	434.2	403.5	394.3	398.2	400.4	396.5	396.0
47.5°	1900.7	839.4	402.2	405.2	416.6	382.9	371.5	371.9	375.8	376.3	374.5
50°	1793.7	760.0	389.0	381.6	374.1	361.4	350.9	348.7	352.6	356.6	357.9
52.5°	1655.6	684.2	367.1	355.7	338.1	338.1	333.3	326.3	331.6	336.8	338.6
55°	1554.3	628.0	335.9	323.2	303.9	310.5	309.6	303.5	310.5	314.5	315.8
57.5°	1346.8	504.8	295.6	291.6	275.4	283.3	285.1	277.2	273.7	274.5	275.9
60°	799.5	325.9	266.6	266.2	251.7	260.9	266.2	258.3	247.8	249.1	250.9
62.5°	358.7	249.1	230.2	228.5	228.1	239.9	245.6	238.1	223.2	224.5	226.3
65°	225.9	215.3	200.0	200.0	207.0	217.1	221.5	215.3	198.2	196.0	197.8
67.5°	209.6	200.4	184.6	181.6	185.1	193.4	193.8	182.0	171.9	170.2	170.2
70°	188.1	181.1	165.8	159.6	158.3	157.9	156.6	153.5	146.9	145.2	146.0
72.5°	155.7	150.9	141.2	134.6	131.1	130.7	125.4	122.8	117.1	116.2	115.8
75°	103.1	104.4	104.4	103.5	100.4	99.1	93.4	90.8	84.2	81.6	81.1
77.5°	61.0	62.3	64.0	64.5	64.0	64.0	58.8	55.7	49.1	45.6	44.7
80°	37.3	38.2	39.0	40.3	38.6	37.3	32.5	29.4	26.3	24.1	23.7
82.5°	24.1	25.0	25.4	26.3	25.4	23.7	19.7	18.0	15.8	14.0	13.6
85°	13.6	14.0	14.9	14.9	13.6	12.3	10.1	8.8	7.5	6.6	6.6
87.5°	4.8	4.8	4.8	5.3	4.4	3.9	2.6	1.8	1.3	1.3	1.3
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)