

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: P629938

Luminaire Tested: GWS-SA1C-760-U-AFL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629938
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-SA1C-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: 4399.3 lumens
Efficiency: N/A
Efficacy: 129.0 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

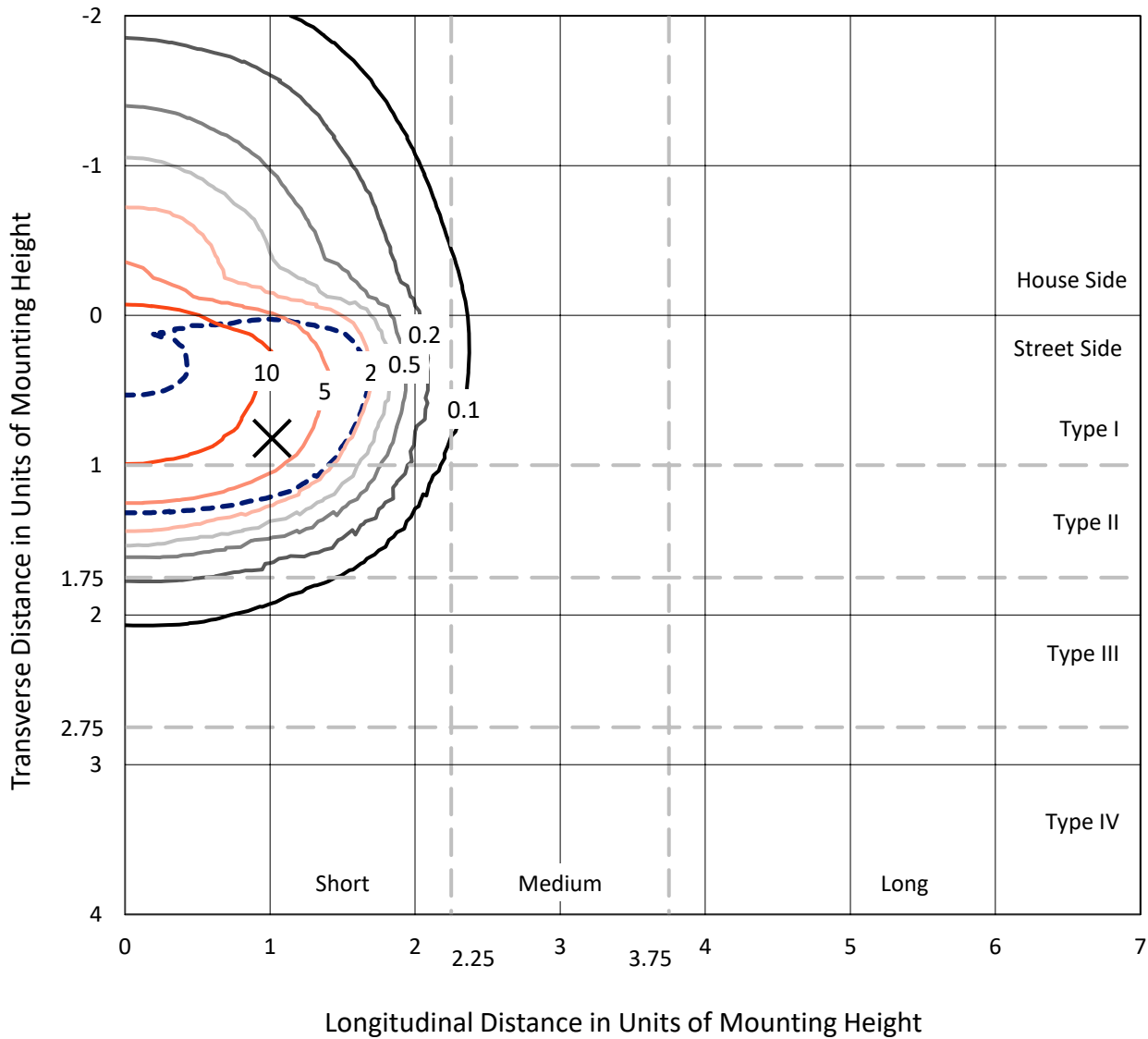
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629938
 CATALOG NUMBER: GWS-SA1C-760-U-AFL-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

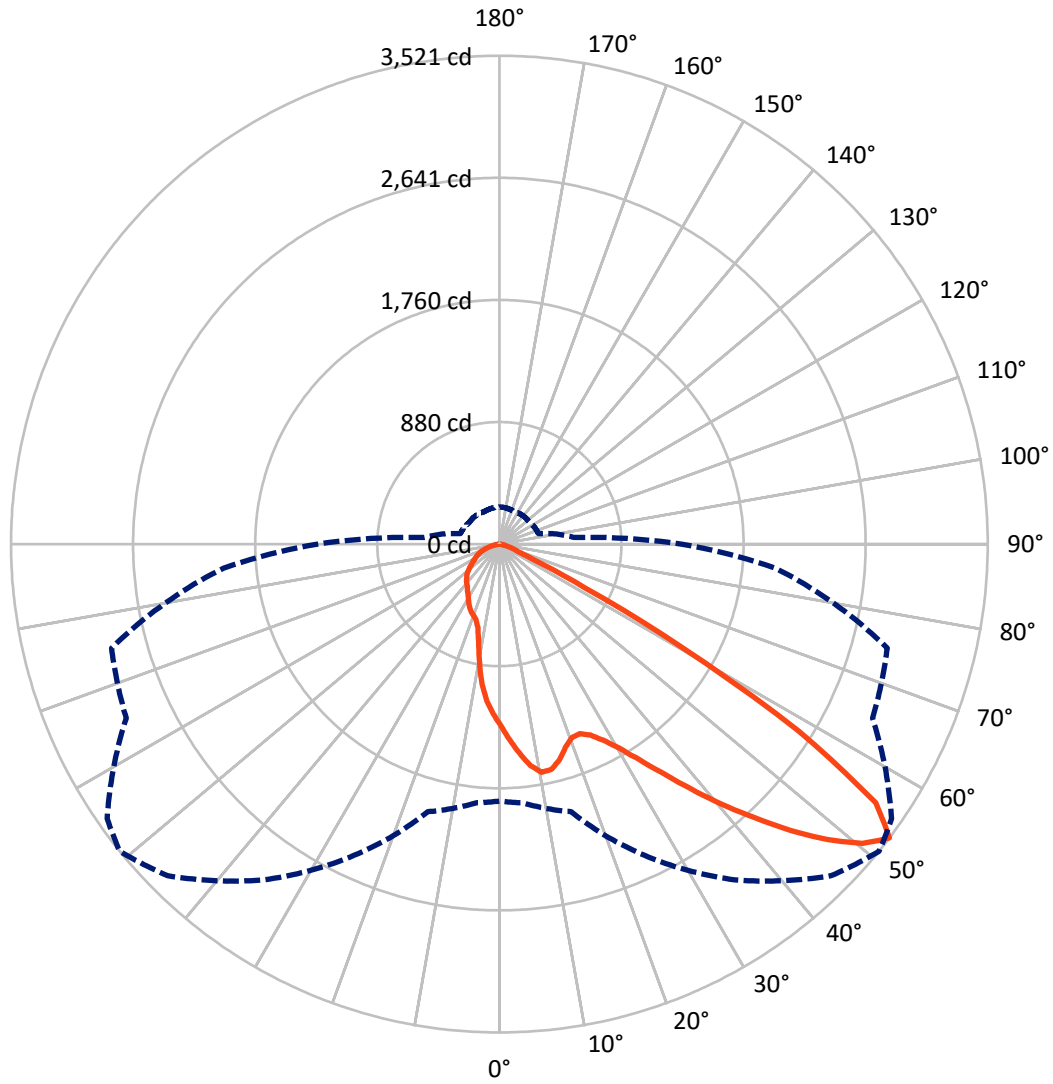
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16 fc
 Type II - Short - N/A

REPORT NUMBER: P629938
CATALOG NUMBER: GWS-SA1C-760-U-AFL-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629938

CATALOG NUMBER: GWS-SA1C-760-U-AFL-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	857.2	0.0	857.2
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	3542.1	0.0	3542.1
	% Fixture	80.5	0.0	80.5
Total	Lumens	4399.3	0.0	4399.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.2	2.8
10°-20°	317.6	7.2
20°-30°	516.4	11.7
30°-40°	818.4	18.6
40°-50°	1234.3	28.1
50°-60°	1067.8	24.3
60°-70°	242.1	5.5
70°-80°	71.4	1.6
80°-90°	9.2	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°	4399.3	100.0
0°-180°	4399.3	100.0

Coefficient of Utilization



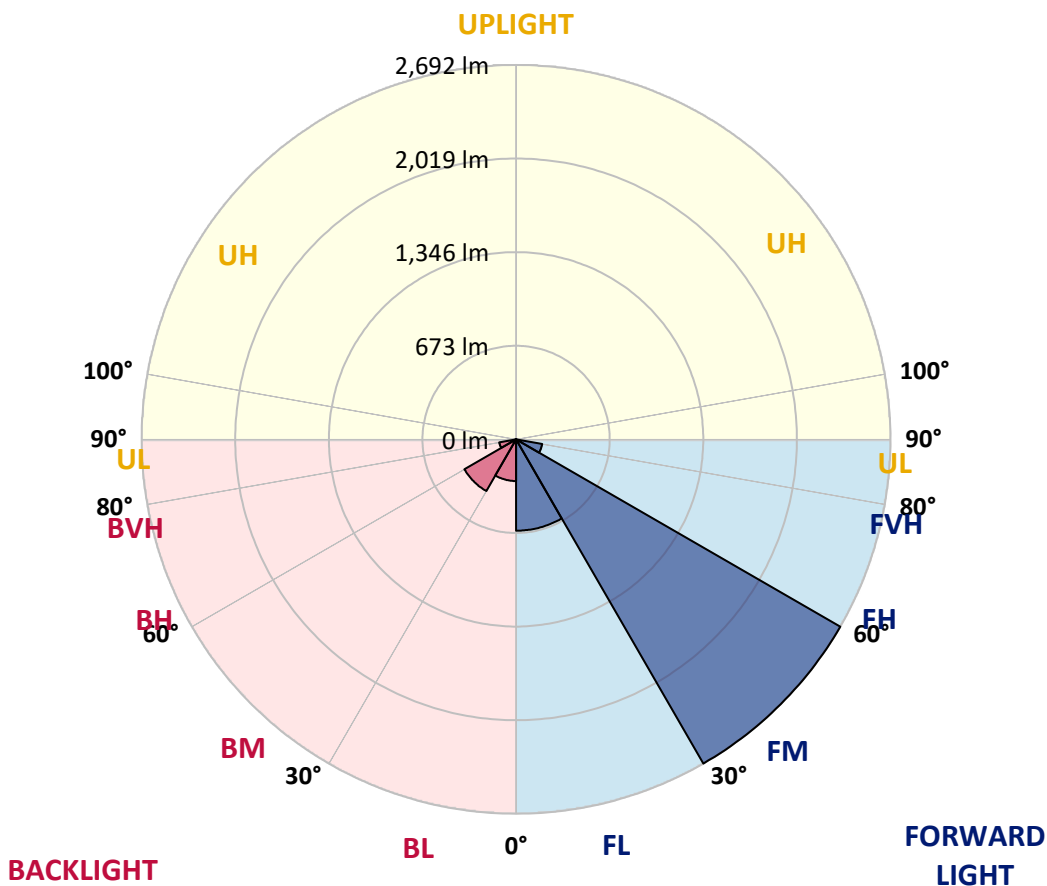
REPORT NUMBER: P629938

CATALOG NUMBER: GWS-SA1C-760-U-AFL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	656.6	14.9			
FM (30°-60°)	2691.6	61.2			
FH (60°-80°)	190.5	4.3			G0/660
FVH (80°-90°)	3.5	0.1			G0/10
BL (0°-30°)	299.6	6.8	B1/500		
BM (30°-60°)	428.9	9.7	B1/1000		
BH (60°-80°)	122.9	2.8	B1/500		G1/500
BVH (80°-90°)	5.7	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





REPORT NUMBER: P629938
 CATALOG NUMBER: GWS-SA1C-760-U-AFL-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9
2.5°	1459.7	1468.1	1455.2	1450.3	1442.3	1428.4	1412.4	1407.9	1373.5	1350.9	1325.5
5°	1606.4	1610.9	1600.5	1590.1	1570.3	1545.6	1514.6	1508.0	1445.5	1393.7	1339.8
7.5°	1639.1	1637.4	1646.4	1652.3	1649.9	1640.1	1612.7	1599.8	1525.1	1443.0	1363.4
10°	1509.8	1500.0	1533.4	1573.1	1620.7	1675.6	1672.5	1671.4	1606.4	1509.4	1393.7
12.5°	1338.4	1333.5	1360.6	1410.4	1500.4	1622.1	1667.6	1703.1	1679.8	1572.7	1427.4
15°	1240.4	1238.6	1257.1	1292.9	1364.5	1518.1	1615.5	1685.7	1742.7	1640.5	1463.2
17.5°	1222.6	1223.7	1229.9	1250.4	1301.9	1428.4	1541.1	1639.1	1791.7	1714.9	1508.0
20°	1274.4	1281.4	1270.6	1273.7	1301.5	1396.1	1490.3	1592.2	1823.0	1789.6	1556.4
22.5°	1389.5	1387.1	1363.4	1349.5	1349.9	1415.9	1484.8	1570.3	1843.5	1862.3	1600.2
25°	1519.9	1517.1	1488.9	1458.0	1438.5	1469.8	1524.7	1593.6	1861.9	1928.7	1635.3
27.5°	1673.9	1665.2	1633.9	1594.3	1551.2	1564.7	1601.9	1656.5	1890.4	1994.0	1658.6
30°	1823.0	1833.1	1788.2	1741.3	1695.8	1687.4	1709.0	1758.3	1948.5	2070.5	1686.4
32.5°	2020.8	2017.3	1967.6	1906.4	1841.4	1835.2	1852.2	1897.4	2052.8	2176.2	1728.8
35°	2260.3	2261.0	2190.5	2107.7	2015.2	1998.6	2027.1	2070.9	2208.2	2319.4	1795.9
37.5°	2509.2	2508.2	2446.7	2352.8	2226.6	2203.0	2235.6	2268.3	2402.5	2514.4	1900.2
40°	2683.7	2690.7	2661.8	2612.5	2492.9	2435.2	2464.0	2486.6	2613.9	2743.9	2037.5
42.5°	2782.8	2793.3	2799.5	2829.1	2766.1	2704.6	2694.2	2706.0	2802.6	2957.0	2166.5
45°	2804.0	2817.9	2863.5	2973.0	2997.3	2979.9	2945.9	2917.4	2943.4	3108.2	2250.9
47.5°	2710.5	2734.8	2832.2	3023.7	3165.9	3220.5	3182.6	3139.1	3024.8	3147.1	2242.2
50°	2339.9	2368.4	2587.8	2920.1	3189.9	3388.8	3392.2	3327.9	3015.0	3034.9	2133.1
52.5°	1852.6	1872.0	1997.5	2475.5	2954.6	3381.8	3520.9	3452.0	2968.1	2894.4	1996.5
55°	1107.2	1138.5	1255.7	1633.2	2301.7	2997.3	3293.5	3326.9	2945.2	2776.6	1903.3
57.5°	373.7	389.0	500.9	721.3	1356.5	2194.6	2544.7	2680.3	2673.7	2596.5	1721.5
60°	178.0	181.5	204.1	273.6	543.0	1146.8	1506.3	1662.7	1805.3	1819.5	1071.1
62.5°	135.6	137.7	149.1	164.1	218.3	483.2	690.4	810.0	865.3	742.5	390.0
65°	113.3	115.1	123.8	133.1	148.4	209.3	264.9	305.6	275.3	214.5	186.0
67.5°	94.6	95.9	102.6	112.6	123.1	140.1	147.0	151.2	158.5	178.0	171.0
70°	74.0	75.4	82.4	91.1	101.2	105.3	111.9	116.1	130.7	155.7	155.0
72.5°	57.0	58.8	62.6	68.1	76.5	80.7	88.0	92.8	101.2	121.3	129.7
75°	41.7	42.8	46.2	48.0	49.0	48.0	55.3	60.8	72.0	79.6	81.7
77.5°	17.0	19.1	18.4	18.4	21.9	26.4	30.2	33.7	41.4	45.9	46.2
80°	7.0	7.6	9.0	10.1	12.2	15.6	18.1	19.5	22.9	25.7	27.8
82.5°	4.2	4.5	5.2	5.6	7.0	9.0	10.4	11.5	14.3	17.0	18.1
85°	2.1	2.1	2.4	2.8	3.5	4.2	4.9	5.6	7.3	9.0	10.1
87.5°	0.3	0.3	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P629938

CATALOG NUMBER: GWS-SA1C-760-U-AFL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9
2.5°	1310.6	1291.8	1269.9	1252.5	1232.4	1217.4	1196.2	1183.0	1170.5	1160.1	1152.4
5°	1312.0	1280.3	1234.8	1194.5	1152.8	1113.1	1072.5	1039.4	1009.9	985.2	983.1
7.5°	1320.0	1274.4	1203.2	1132.6	1051.3	972.7	894.1	830.2	781.5	756.1	750.9
10°	1333.5	1273.7	1170.8	1058.2	919.5	793.0	699.8	651.1	623.0	612.9	609.4
12.5°	1347.8	1272.0	1129.5	953.2	760.6	649.7	598.6	592.7	597.9	598.6	598.3
15°	1365.2	1271.0	1077.3	830.2	644.5	583.3	586.8	599.3	611.5	614.3	614.3
17.5°	1386.4	1268.5	1006.4	709.9	571.9	570.5	588.9	605.6	617.1	619.1	619.1
20°	1408.6	1262.3	919.1	611.8	542.3	562.5	582.3	595.2	603.1	605.9	606.3
22.5°	1423.9	1245.6	818.7	539.2	523.9	547.2	561.4	574.6	574.6	567.7	565.6
25°	1427.0	1209.8	709.9	489.5	502.0	523.5	538.1	530.5	516.2	510.7	510.3
27.5°	1415.6	1157.6	602.5	454.0	475.6	497.1	494.7	483.6	477.3	471.7	473.8
30°	1401.7	1095.1	509.3	424.8	445.0	466.2	457.8	454.0	449.5	443.2	444.6
32.5°	1392.3	1025.2	437.7	402.2	424.5	427.9	433.8	433.5	429.3	417.5	416.8
35°	1395.1	954.6	389.7	383.8	407.4	406.0	417.2	415.1	386.2	369.9	368.8
37.5°	1417.3	886.8	361.5	369.2	380.3	389.0	398.7	373.7	363.6	353.2	353.9
40°	1459.7	823.9	346.2	361.2	364.0	376.8	354.2	353.9	349.4	340.0	339.6
42.5°	1507.7	770.7	335.8	357.4	353.5	356.0	332.0	334.8	334.4	328.5	326.8
45°	1536.9	721.7	327.5	343.1	344.2	319.8	312.5	315.7	317.4	314.3	313.9
47.5°	1506.7	665.4	318.8	321.2	330.3	303.5	294.4	294.8	297.9	298.3	296.9
50°	1421.8	602.5	308.4	302.4	296.5	286.5	278.1	276.4	279.5	282.6	283.7
52.5°	1312.3	542.3	291.0	281.9	268.0	268.0	264.2	258.6	262.8	267.0	268.4
55°	1232.0	497.8	266.3	256.2	240.9	246.1	245.4	240.6	246.1	249.3	250.3
57.5°	1067.6	400.1	234.3	231.2	218.3	224.6	226.0	219.7	216.9	217.6	218.7
60°	633.7	258.3	211.4	211.0	199.5	206.8	211.0	204.8	196.4	197.5	198.8
62.5°	284.4	197.5	182.5	181.1	180.8	190.2	194.7	188.8	176.9	178.0	179.4
65°	179.0	170.7	158.5	158.5	164.1	172.1	175.6	170.7	157.1	155.4	156.8
67.5°	166.2	158.9	146.4	143.9	146.7	153.3	153.7	144.3	136.3	134.9	134.9
70°	149.1	143.6	131.4	126.5	125.5	125.1	124.1	121.7	116.5	115.1	115.8
72.5°	123.4	119.6	111.9	106.7	103.9	103.6	99.4	97.3	92.8	92.1	91.8
75°	81.7	82.7	82.7	82.0	79.6	78.6	74.0	72.0	66.7	64.7	64.3
77.5°	48.3	49.4	50.8	51.1	50.8	50.8	46.6	44.1	38.9	36.2	35.5
80°	29.5	30.2	30.9	32.0	30.6	29.5	25.7	23.3	20.9	19.1	18.8
82.5°	19.1	19.8	20.2	20.9	20.2	18.8	15.6	14.3	12.5	11.1	10.8
85°	10.8	11.1	11.8	11.8	10.8	9.7	8.0	7.0	5.9	5.2	5.2
87.5°	3.8	3.8	3.8	4.2	3.5	3.1	2.1	1.4	1.0	1.0	1.0
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)