

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: P630466

Luminaire Tested: GWS-SA1D-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630466  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-760-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

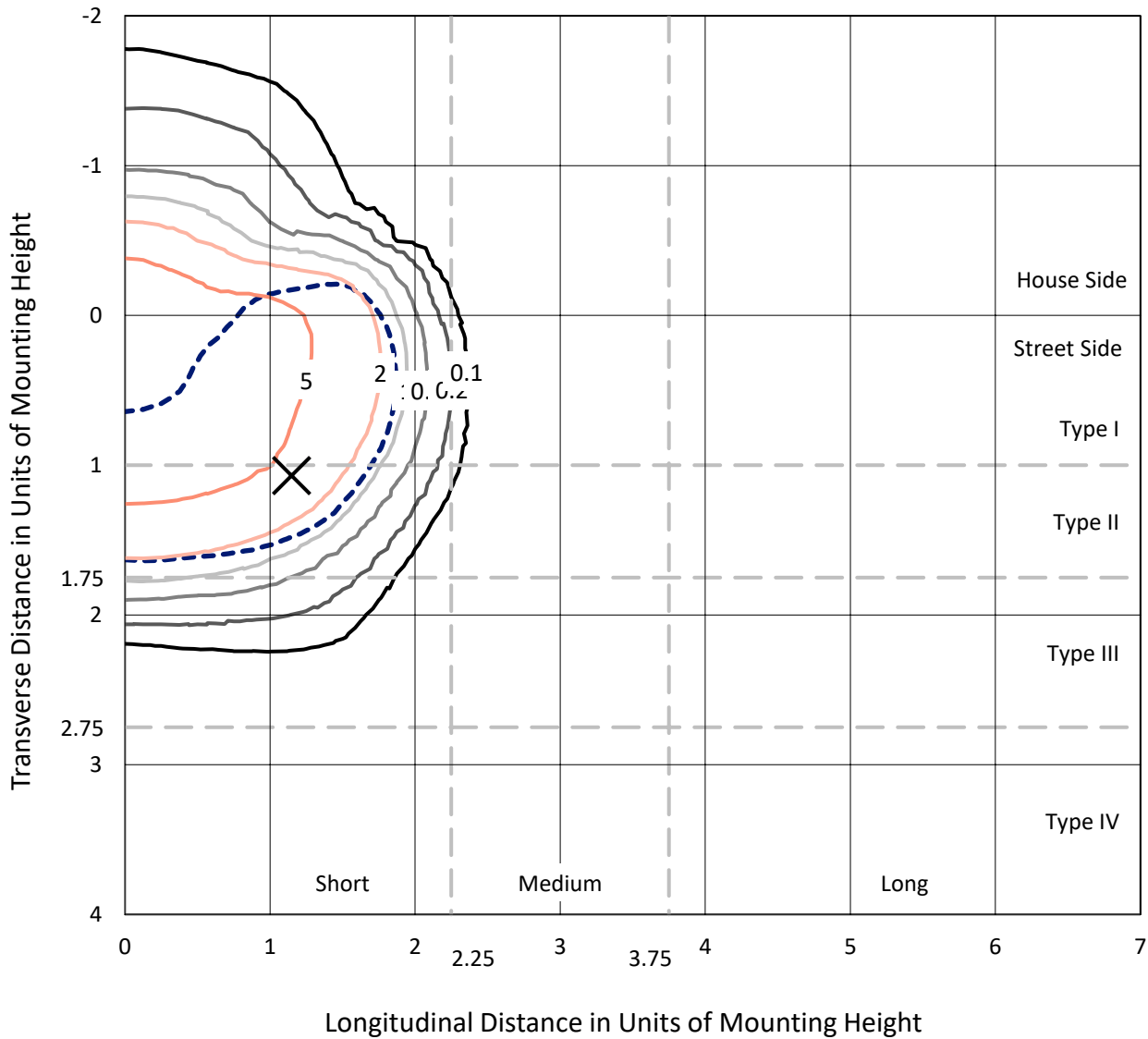
Lumens per Lamp: N/A  
Luminaire Lumens: 3777.8 lumens  
Efficiency: N/A  
Efficacy: 85.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

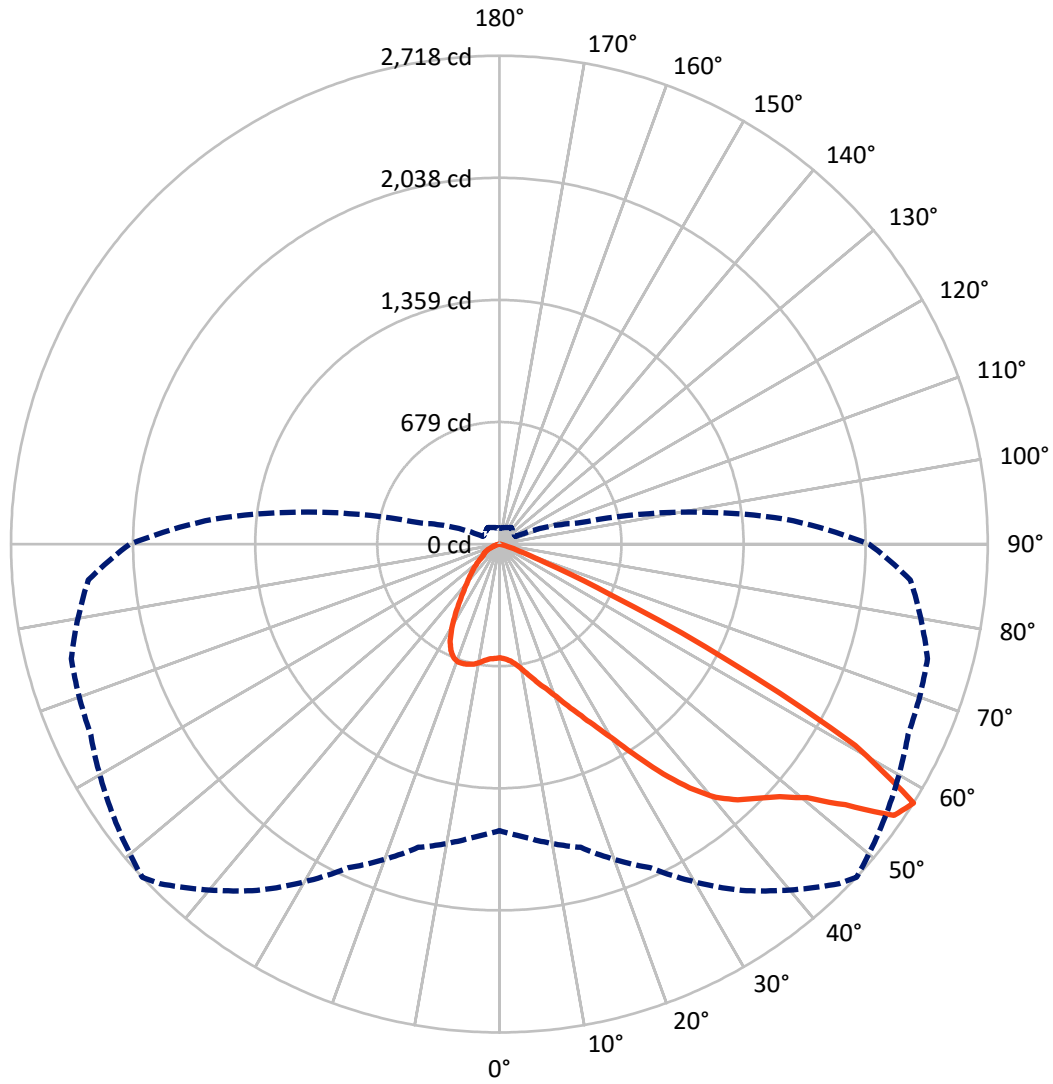
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 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
<b>House Side</b>	Lumens	819.6	0.0	819.6
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	2958.2	0.0	2958.2
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	3777.8	0.0	3777.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.9	1.7
10°-20°	212.3	5.6
20°-30°	394.2	10.4
30°-40°	631.0	16.7
40°-50°	922.4	24.4
50°-60°	1138.4	30.1
60°-70°	380.4	10.1
70°-80°	35.4	0.9
80°-90°	0.7	0.0
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°	3777.8	100.0
0°-180°	3777.8	100.0

**Coefficient of Utilization**



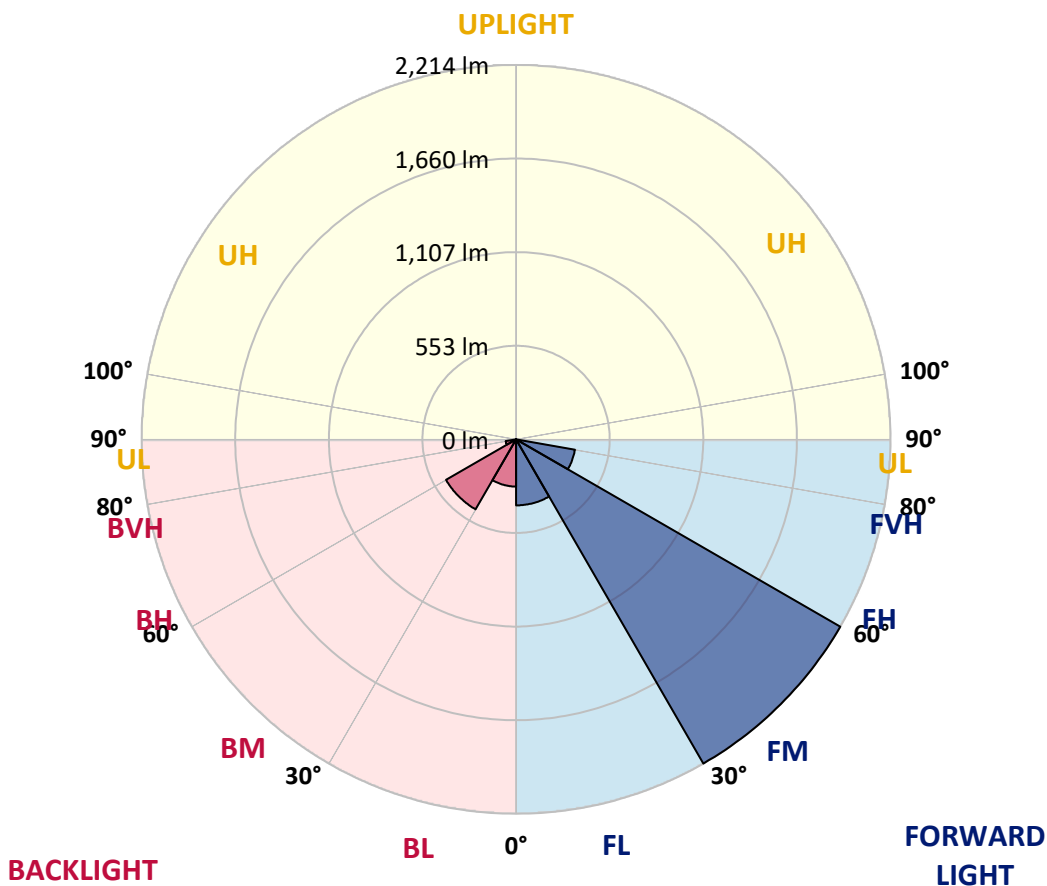
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	390.4	10.3			
FM (30°-60°)	2213.8	58.6			
FH (60°-80°)	353.5	9.4			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	279.0	7.4	B1/500		
BM (30°-60°)	478.1	12.7	B1/1000		
BH (60°-80°)	62.3	1.6	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	632.4	632.4	632.4	632.4	632.4	632.4	632.4	632.4	632.4	632.4	632.4
2.5°	639.0	638.5	638.1	640.7	639.9	639.4	640.3	640.3	640.3	637.7	632.4
5°	654.3	654.3	653.9	656.5	654.3	653.0	653.5	653.5	651.7	646.9	640.3
7.5°	678.5	677.6	676.7	679.3	677.1	676.7	677.6	674.9	671.9	664.0	654.8
10°	713.1	713.1	711.8	714.4	712.7	711.8	711.8	710.0	704.3	692.1	678.5
12.5°	760.9	758.7	755.6	753.5	752.6	752.1	752.6	749.9	743.8	728.0	709.2
15°	813.1	811.3	806.5	803.0	798.2	797.3	799.9	797.7	791.6	770.1	743.4
17.5°	878.9	881.1	868.8	861.3	847.3	846.4	847.3	850.8	846.4	818.8	779.8
20°	935.0	936.8	927.6	922.3	909.6	903.9	905.6	911.3	906.5	874.1	819.7
22.5°	995.1	997.3	987.6	976.7	971.0	971.0	977.6	985.5	978.9	936.3	865.3
25°	1067.0	1068.8	1060.9	1046.4	1036.3	1049.0	1058.7	1079.7	1068.8	1010.9	919.2
27.5°	1149.5	1149.9	1138.5	1123.6	1118.3	1142.0	1151.7	1184.1	1179.7	1094.7	976.2
30°	1237.6	1238.1	1235.4	1225.3	1220.5	1251.7	1264.8	1311.7	1308.7	1198.6	1053.9
32.5°	1329.3	1329.3	1334.1	1333.2	1338.9	1389.8	1410.9	1464.4	1461.3	1325.8	1150.4
35°	1421.4	1421.8	1430.2	1451.2	1474.9	1542.4	1570.1	1635.0	1627.9	1478.0	1273.6
37.5°	1526.2	1521.8	1533.2	1564.8	1617.4	1695.5	1721.8	1783.6	1775.7	1633.6	1434.5
40°	1652.5	1644.6	1644.6	1681.5	1741.1	1831.0	1853.4	1884.1	1857.3	1759.5	1592.4
42.5°	1792.0	1784.5	1774.9	1807.3	1857.3	1927.5	1945.9	1937.6	1915.6	1878.4	1772.2
45°	1933.2	1921.8	1928.4	1948.1	1977.0	2010.4	2017.4	1978.8	1968.7	1979.2	1920.9
47.5°	2040.6	2032.7	2049.0	2076.6	2100.3	2105.1	2100.3	2046.8	2045.9	2083.2	2024.0
50°	2076.6	2077.5	2122.2	2182.7	2220.9	2224.8	2218.3	2156.9	2148.5	2159.5	2079.7
52.5°	2080.1	2083.6	2149.0	2264.3	2368.2	2415.6	2410.3	2344.1	2262.5	2250.7	2163.9
55°	1995.5	2016.1	2107.3	2275.7	2496.7	2648.0	2665.6	2538.8	2417.8	2407.7	2345.0
57.5°	1595.1	1637.2	1747.2	1987.1	2353.3	2672.2	2717.8	2626.6	2509.5	2466.5	2296.3
60°	953.4	1005.6	1111.3	1405.6	1791.1	2196.3	2274.8	2287.5	2233.6	2109.5	1761.7
62.5°	409.2	404.8	535.0	760.5	1065.3	1395.9	1431.5	1486.7	1533.7	1403.8	1069.2
65°	140.3	152.6	212.3	343.0	533.3	648.2	679.8	729.3	796.0	657.0	391.6
67.5°	86.8	92.1	122.4	202.6	287.7	283.3	269.3	261.4	254.4	174.1	107.4
70°	63.2	67.5	86.0	139.5	193.4	136.0	118.0	95.6	106.1	97.8	76.3
72.5°	42.5	46.0	59.2	84.6	99.1	66.2	61.4	69.7	84.2	80.3	62.3
75°	25.4	27.6	33.8	41.2	40.3	34.2	34.6	49.1	64.5	60.1	44.3
77.5°	17.5	18.4	22.4	26.8	19.7	10.5	9.6	13.6	21.9	21.9	14.9
80°	4.4	5.7	5.7	3.5	3.1	2.6	2.6	3.9	6.1	4.4	2.2
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.9
87.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9
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°	632.4	632.4	632.4	632.4	632.4	632.4	632.4	632.4	632.4	632.4	632.4
2.5°	635.5	630.2	633.7	632.8	635.5	636.4	632.4	631.5	632.0	626.7	625.0
5°	641.6	635.5	637.2	635.5	638.5	641.2	639.9	641.6	643.8	639.9	638.1
7.5°	654.8	648.6	648.2	645.6	650.0	651.7	651.3	656.1	660.5	657.8	655.2
10°	677.6	669.2	668.4	666.2	667.5	668.8	664.0	664.9	668.8	665.7	664.4
12.5°	705.6	695.6	693.4	688.1	688.1	681.5	671.0	668.8	671.9	669.7	667.5
15°	735.9	722.3	718.8	709.6	700.8	688.5	677.6	674.9	677.1	674.5	672.8
17.5°	769.7	754.3	742.9	726.7	707.4	692.9	680.6	674.9	671.4	666.2	665.7
20°	803.0	782.8	763.5	737.7	712.2	690.3	670.1	655.2	642.5	634.6	631.5
22.5°	841.6	811.8	780.6	744.2	707.8	674.5	639.0	613.5	591.6	584.2	580.7
25°	882.8	844.2	797.7	750.4	692.9	639.4	591.2	553.5	524.5	514.9	510.9
27.5°	928.4	875.4	815.3	749.1	662.2	589.4	525.4	478.5	450.0	441.2	444.3
30°	986.3	915.7	837.2	735.5	616.2	519.3	444.3	404.8	383.3	375.0	375.4
32.5°	1063.5	973.6	869.2	706.5	557.0	439.4	373.7	344.7	330.2	319.3	318.4
35°	1174.0	1061.8	899.1	660.0	485.1	368.4	320.6	297.8	277.6	264.9	267.1
37.5°	1306.5	1172.7	915.3	597.3	404.4	313.1	280.7	257.4	234.6	215.8	218.0
40°	1463.5	1317.9	914.0	514.9	330.7	275.4	247.3	220.2	191.7	174.5	176.3
42.5°	1638.5	1455.2	885.5	427.6	274.1	244.7	215.3	181.1	153.5	143.0	143.4
45°	1790.2	1566.5	835.5	337.3	230.7	214.9	182.0	146.9	134.6	127.2	126.7
47.5°	1902.5	1648.1	764.0	265.3	195.6	187.7	149.5	131.6	121.9	115.8	114.9
50°	1965.2	1676.6	685.0	207.9	165.3	159.2	133.8	119.3	112.7	108.8	107.9
52.5°	2049.4	1710.8	628.5	164.0	138.6	130.3	123.2	111.0	106.6	103.5	102.2
55°	2182.7	1777.1	579.3	130.3	115.3	113.6	116.2	106.1	103.5	98.7	96.9
57.5°	2057.3	1596.4	450.0	100.9	97.4	103.9	112.3	101.3	94.7	90.3	88.6
60°	1447.7	1061.3	226.3	81.1	86.8	97.4	105.7	91.7	85.1	86.0	85.1
62.5°	798.2	531.1	101.7	68.0	75.4	86.0	90.3	79.4	75.0	82.4	83.8
65°	260.9	180.7	58.8	52.6	59.6	70.2	78.1	75.4	74.6	83.3	86.0
67.5°	80.3	59.6	39.9	37.7	41.2	51.8	65.8	81.6	87.7	90.3	91.7
70°	60.1	46.9	34.2	32.0	33.8	39.5	55.7	68.0	64.0	64.5	63.6
72.5°	48.2	37.3	29.4	28.1	28.1	27.2	29.4	36.8	41.7	43.9	43.9
75°	33.8	26.3	22.4	20.6	16.2	13.2	11.8	11.8	10.5	10.1	9.6
77.5°	11.4	9.6	8.8	7.0	4.8	3.9	3.5	3.1	2.2	1.3	0.9
80°	1.8	1.3	0.9	0.9	0.9	0.4	0.4	0.4	0.0	0.0	0.0
82.5°	0.9	0.9	0.9	0.9	0.9	0.4	0.4	0.0	0.0	0.0	0.0
85°	0.9	0.9	0.9	0.9	0.9	0.4	0.4	0.0	0.0	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	0.4	0.4	0.4	0.0	0.0	0.0	0.0
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)