

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: P632933

Luminaire Tested: GWS-SA2D-760-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632933
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-760-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6997.3 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

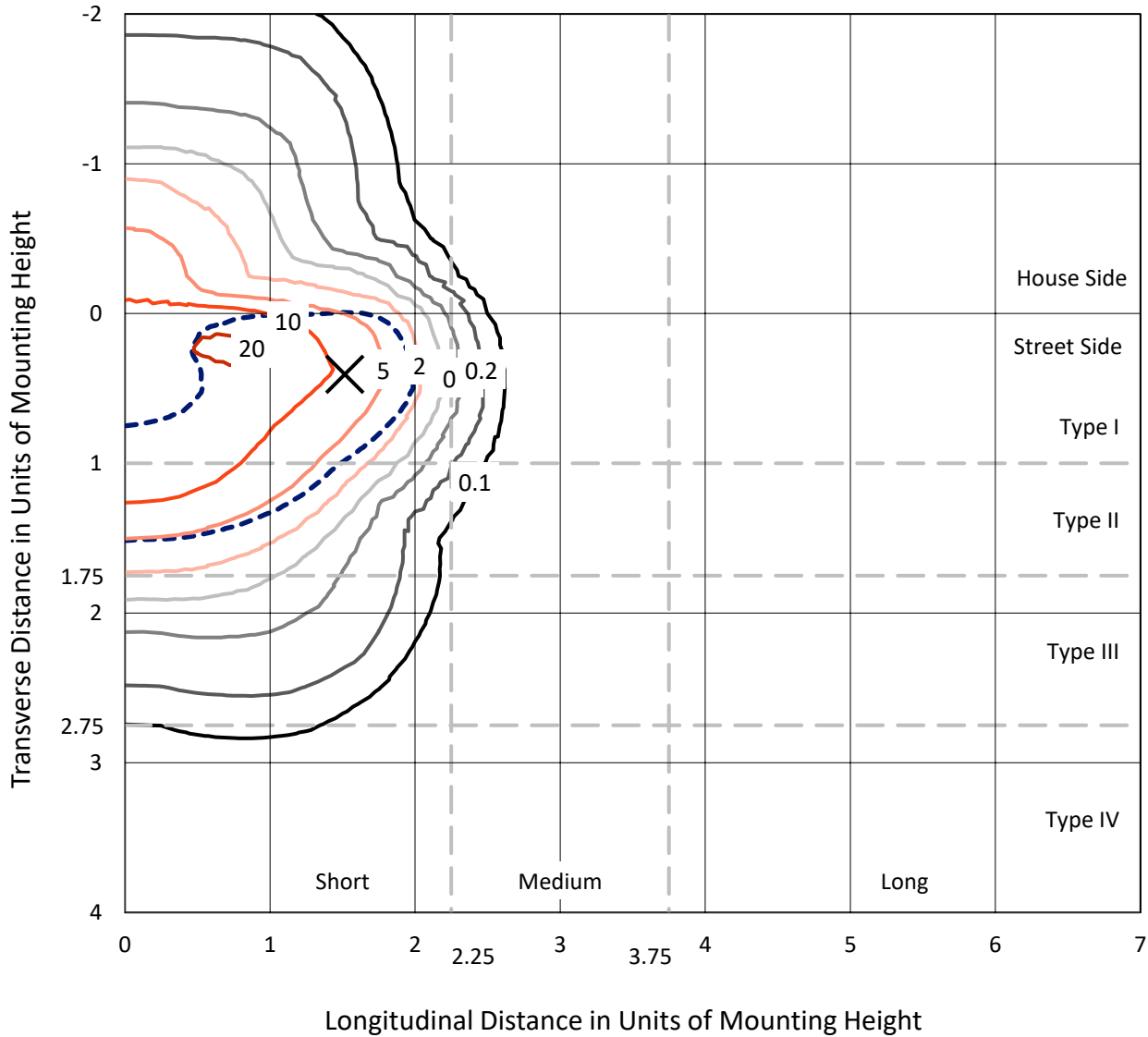
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

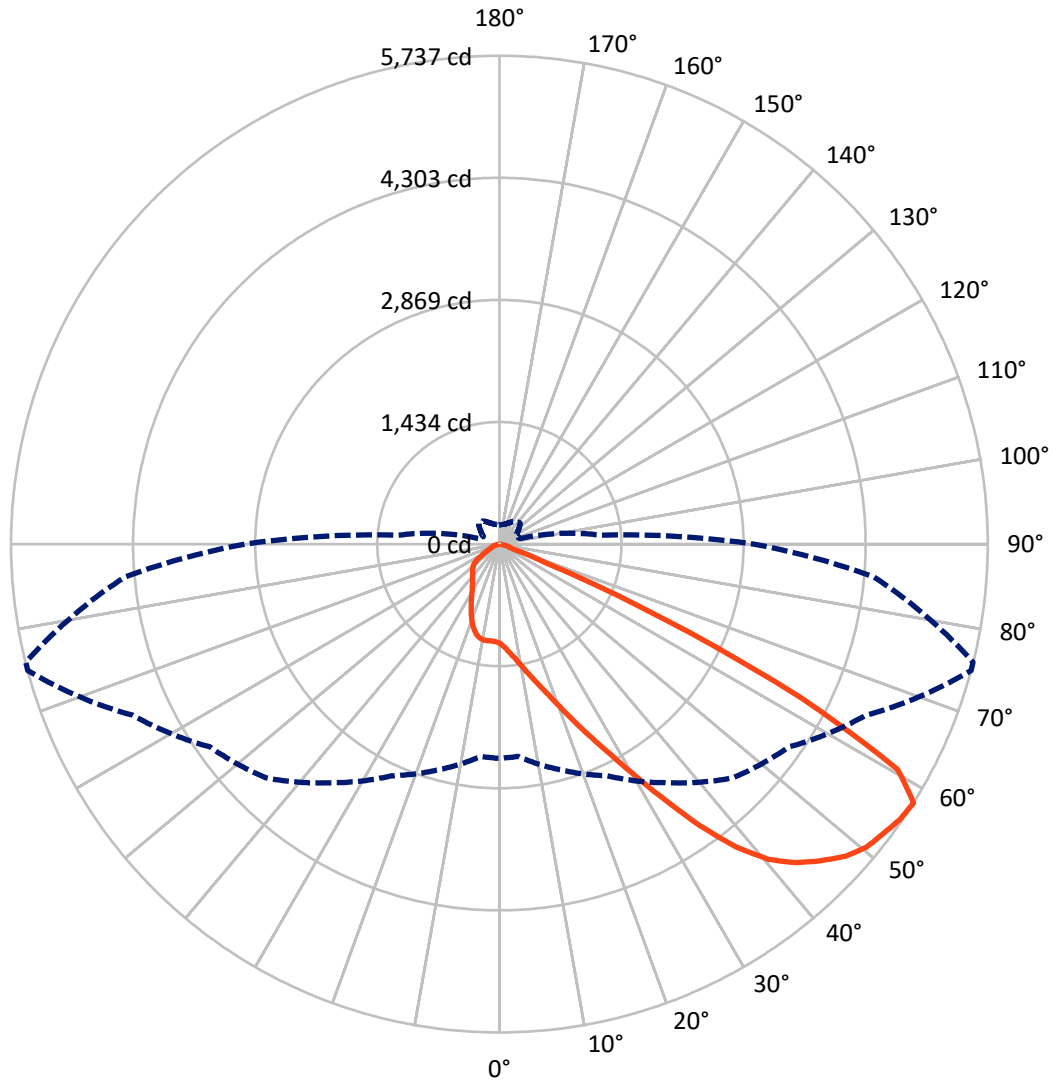
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1143.0	0.0	1143.0
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	5854.3	0.0	5854.3
	% Fixture	83.7	0.0	83.7
Total	Lumens	6997.3	0.0	6997.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	1.7
10°-20°	385.8	5.5
20°-30°	706.4	10.1
30°-40°	1172.1	16.8
40°-50°	1790.0	25.6
50°-60°	2011.4	28.7
60°-70°	741.9	10.6
70°-80°	70.9	1.0
80°-90°	0.1	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°	6997.3	100.0
0°-180°	6997.3	100.0

Coefficient of Utilization



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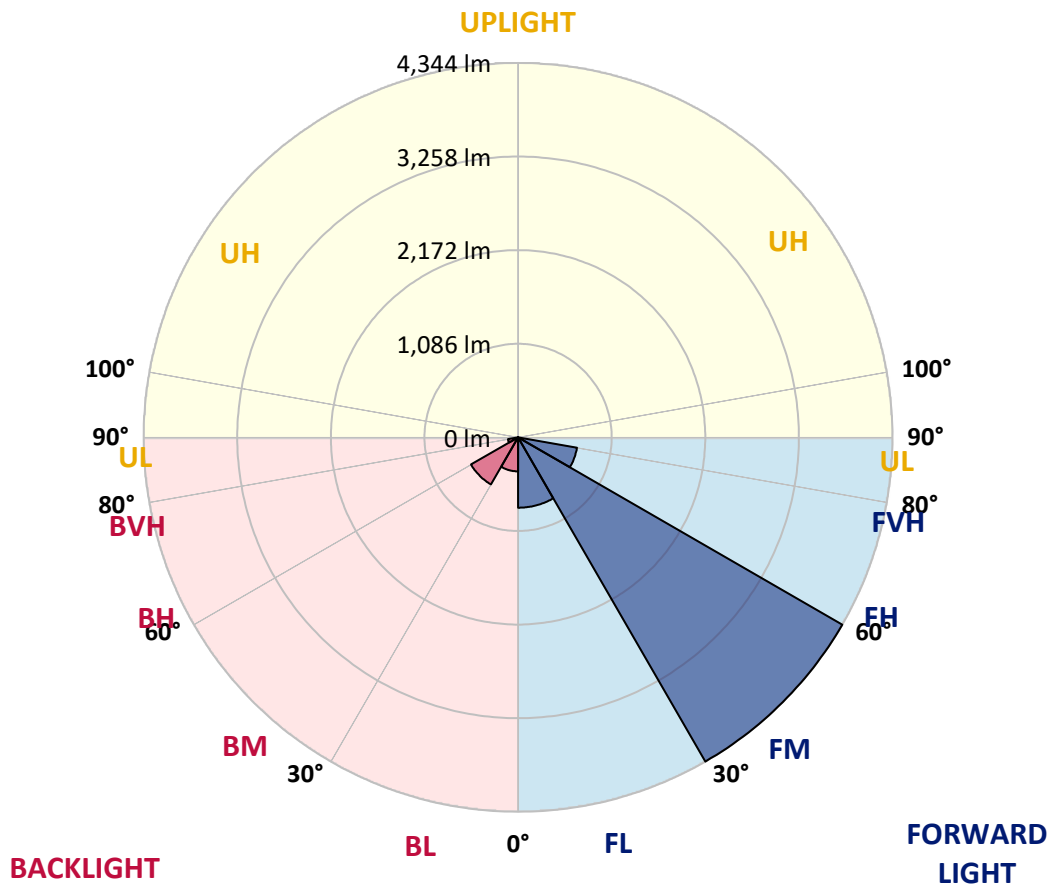
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	816.6	11.7			
FM (30°-60°)	4343.6	62.1			
FH (60°-80°)	694.1	9.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	394.4	5.6	B1/500		
BM (30°-60°)	629.9	9.0	B1/1000		
BH (60°-80°)	118.7	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1167.1	1167.1	1167.1	1167.1	1167.1	1167.1	1167.1	1167.1	1167.1	1167.1	1167.1
2.5°	1303.9	1317.4	1313.1	1304.7	1299.6	1281.9	1270.9	1238.8	1216.0	1213.5	1192.4
5°	1468.5	1466.0	1462.6	1452.5	1444.0	1416.2	1383.2	1329.2	1281.1	1275.1	1230.4
7.5°	1558.9	1560.6	1562.3	1560.6	1554.7	1533.6	1497.2	1433.9	1360.4	1355.4	1284.4
10°	1596.0	1599.4	1607.9	1623.9	1638.3	1636.6	1615.5	1550.4	1460.1	1451.6	1356.2
12.5°	1613.8	1618.0	1631.5	1661.9	1700.8	1731.2	1734.5	1676.3	1576.6	1563.1	1441.5
15°	1638.3	1642.5	1659.4	1699.1	1755.6	1815.6	1854.4	1817.3	1705.8	1691.5	1535.2
17.5°	1649.2	1655.2	1679.6	1732.0	1805.5	1897.5	1985.3	1982.0	1858.7	1847.7	1644.2
20°	1670.4	1674.6	1696.5	1753.1	1841.8	1974.4	2122.1	2175.3	2045.3	2029.3	1775.9
22.5°	1737.1	1738.8	1748.9	1784.4	1867.1	2030.1	2261.5	2400.8	2265.7	2244.6	1923.7
25°	1846.0	1845.2	1849.4	1855.3	1916.1	2086.7	2395.8	2655.0	2518.2	2495.4	2090.9
27.5°	1984.5	1984.5	1994.6	1977.7	2002.2	2156.8	2528.3	2947.2	2812.1	2780.0	2274.1
30°	2147.5	2146.6	2170.3	2143.3	2150.9	2267.4	2671.0	3265.6	3166.7	3127.1	2485.3
32.5°	2368.7	2363.7	2390.7	2353.5	2328.2	2434.6	2845.0	3598.3	3591.5	3530.7	2750.4
35°	2648.2	2639.8	2648.2	2611.9	2566.3	2668.5	3073.0	3930.1	4062.7	3998.5	3066.3
37.5°	2926.1	2953.1	2962.4	2899.9	2862.7	2964.9	3347.5	4227.4	4512.8	4446.1	3394.8
40°	3253.7	3245.3	3277.4	3207.3	3183.6	3296.8	3616.0	4448.6	4869.2	4805.9	3686.9
42.5°	3495.2	3510.4	3550.1	3511.3	3492.7	3599.1	3841.5	4577.9	5116.6	5054.1	3895.5
45°	3784.9	3795.9	3811.1	3779.0	3759.6	3864.3	4004.5	4634.4	5304.9	5237.4	4035.7
47.5°	4098.2	4106.6	4106.6	4040.8	3978.3	4021.3	4113.4	4666.5	5478.1	5413.0	4139.6
50°	4322.8	4327.0	4364.2	4317.8	4181.8	4115.1	4163.2	4697.8	5592.9	5532.1	4173.4
52.5°	4123.5	4118.5	4240.9	4337.2	4373.5	4240.9	4249.4	4743.4	5648.6	5596.3	4200.4
55°	3472.4	3464.0	3636.3	3870.2	4190.2	4360.0	4353.2	4770.4	5710.3	5678.2	4298.3
57.5°	2517.4	2503.0	2742.8	3002.9	3422.6	3882.9	4153.1	4755.2	5737.3	5734.8	4412.3
60°	1513.3	1501.5	1727.8	2001.4	2325.7	2788.4	3236.8	4259.5	5375.9	5380.9	4115.9
62.5°	931.4	942.4	1146.8	1286.1	1406.9	1546.2	1805.5	2865.3	3982.5	4015.4	2892.3
65°	626.6	635.0	824.2	999.8	999.8	817.4	701.8	1369.7	2124.7	2068.9	1368.0
67.5°	420.5	429.8	579.3	784.5	814.1	570.0	284.6	408.7	592.0	574.2	338.6
70°	247.4	257.6	385.9	537.9	592.8	396.9	190.0	173.1	168.0	163.0	131.7
72.5°	110.6	114.8	196.8	273.6	250.0	167.2	134.3	138.5	130.9	128.4	107.2
75°	33.8	35.5	50.7	59.1	60.0	60.0	81.1	108.9	103.0	103.9	82.8
77.5°	8.4	8.4	13.5	12.7	6.8	5.9	15.2	24.5	25.3	22.8	16.9
80°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1167.1	1167.1	1167.1	1167.1	1167.1	1167.1	1167.1	1167.1	1167.1	1167.1	1167.1
2.5°	1183.1	1161.1	1146.8	1126.5	1112.2	1097.0	1083.5	1072.5	1066.6	1064.9	1065.7
5°	1210.1	1175.5	1141.7	1102.9	1075.8	1050.5	1030.2	1014.2	1006.6	1004.1	1004.1
7.5°	1251.5	1203.4	1143.4	1082.6	1037.0	997.3	973.7	955.9	949.2	947.5	942.4
10°	1305.5	1239.7	1140.9	1046.3	982.1	940.7	923.8	918.8	921.3	922.2	921.3
12.5°	1370.6	1277.7	1124.8	993.1	923.8	898.5	900.2	913.7	928.9	936.5	938.2
15°	1439.8	1312.3	1088.5	929.8	874.0	873.2	897.7	928.9	958.5	971.1	974.5
17.5°	1517.5	1340.2	1032.8	862.2	831.0	855.4	899.4	947.5	987.2	1008.3	1012.5
20°	1602.8	1363.0	961.8	798.9	793.0	836.9	897.7	956.8	1005.8	1029.4	1033.6
22.5°	1691.5	1379.0	879.9	740.6	758.3	815.8	881.6	939.0	985.5	1012.5	1015.9
25°	1792.8	1380.7	796.3	691.6	726.2	787.0	842.8	890.1	928.9	952.6	955.1
27.5°	1881.5	1360.4	722.0	651.9	696.7	751.6	788.7	814.9	841.9	855.4	856.3
30°	1983.7	1325.0	651.9	619.8	666.3	707.7	726.2	732.2	734.7	737.2	733.8
32.5°	2105.3	1281.9	599.6	588.6	631.7	659.5	664.6	652.8	638.4	618.1	613.1
35°	2254.7	1243.1	556.5	558.2	593.7	610.5	606.3	581.0	553.1	528.6	524.4
37.5°	2416.9	1210.1	523.6	528.6	552.3	564.1	551.4	523.6	510.9	489.8	490.6
40°	2560.4	1183.1	494.0	499.1	510.1	521.0	500.8	482.2	505.8	504.1	505.8
42.5°	2662.6	1160.3	468.7	466.1	473.7	481.3	466.1	456.9	496.5	485.6	491.5
45°	2722.6	1139.2	447.6	432.4	444.2	457.7	447.6	435.7	449.3	398.6	394.4
47.5°	2763.1	1127.4	429.0	399.4	420.5	444.2	423.1	394.4	374.9	331.0	327.7
50°	2767.3	1121.5	407.0	365.7	392.7	418.0	393.5	353.8	326.0	306.5	304.0
52.5°	2789.3	1133.3	376.6	322.6	352.1	392.7	375.8	336.1	298.1	281.2	277.8
55°	2887.2	1183.1	326.0	263.5	306.5	373.3	361.4	299.8	263.5	253.3	250.8
57.5°	2988.6	1193.2	256.7	208.6	266.9	345.4	330.2	276.1	240.7	228.9	226.3
60°	2732.7	983.0	192.5	172.3	235.6	319.2	305.7	261.8	220.4	206.0	203.5
62.5°	1795.3	531.2	152.8	146.1	198.4	270.2	278.7	236.5	196.8	181.6	180.7
65°	827.6	246.6	117.4	115.7	155.4	215.3	239.8	206.9	166.4	152.8	152.8
67.5°	225.5	122.4	92.0	85.3	105.6	144.4	174.8	154.5	118.2	102.2	101.3
70°	112.3	98.8	82.8	73.5	76.0	89.5	103.0	86.1	60.0	49.0	48.1
72.5°	92.0	81.1	70.1	62.5	57.4	54.9	53.2	43.1	27.9	21.1	20.3
75°	68.4	58.3	49.8	40.5	34.6	32.1	28.7	21.1	11.8	6.8	5.9
77.5°	15.2	14.4	13.5	10.1	9.3	7.6	5.9	4.2	1.7	0.0	0.0
80°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)