

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P200561

Luminaire Tested: **GWC-AF-01-LED-E1-5WQ-8030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200561
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24143)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-AF-01-LED-E1-5WQ-8030-1200
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5994 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G1

Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

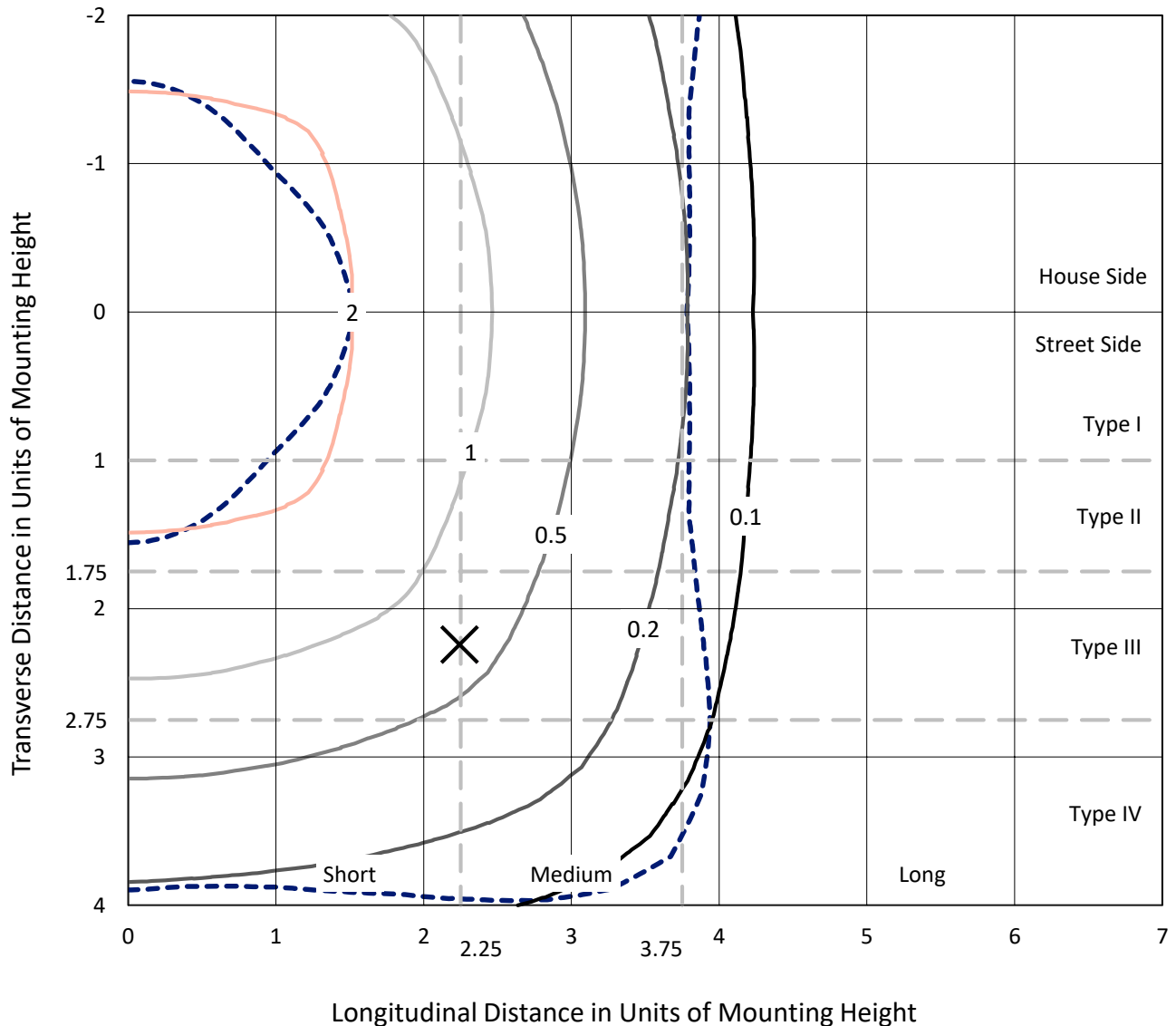


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

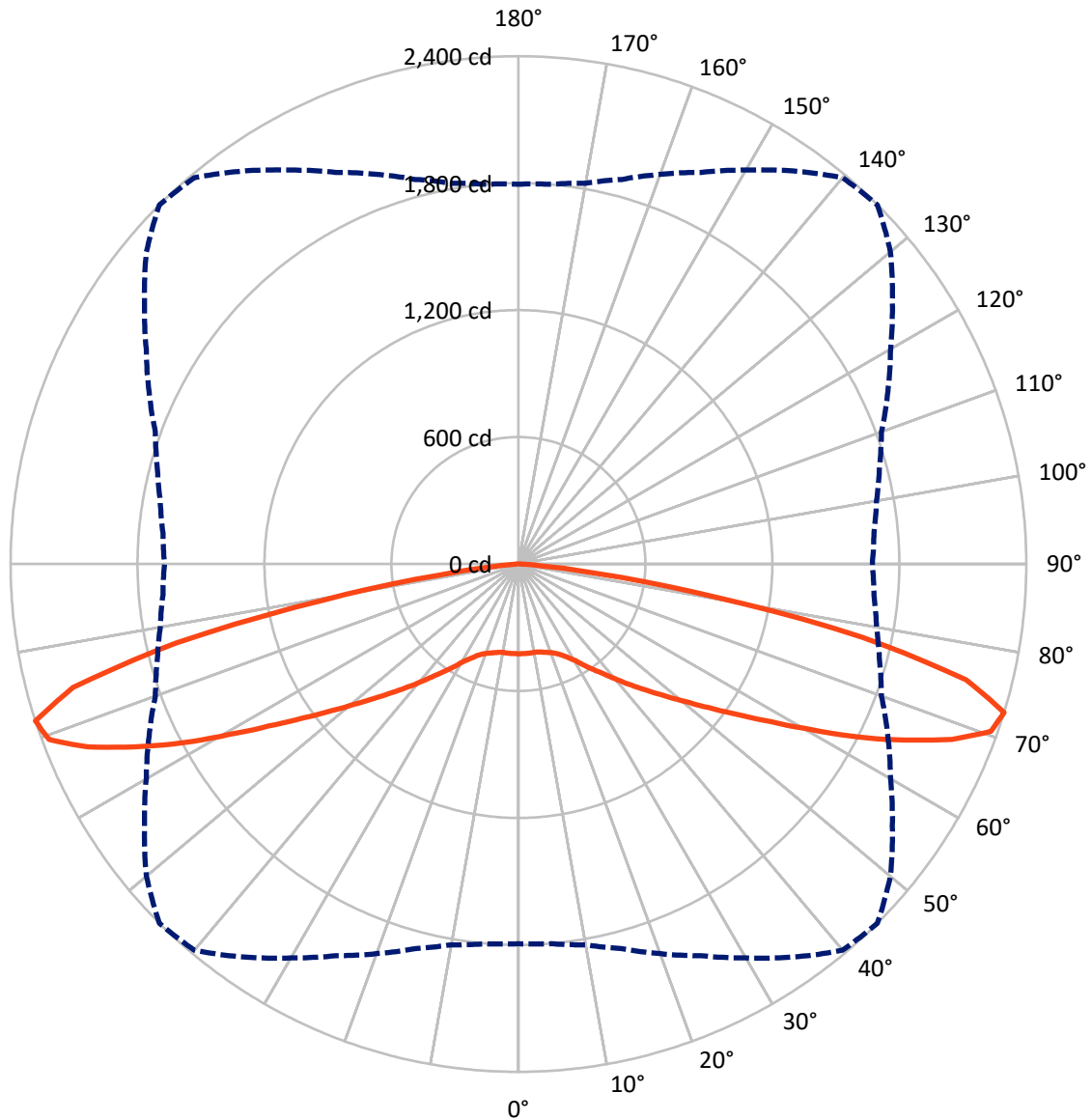


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2997.0	0.0	2997.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2997.0	0.0	2997.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5994.0	0.0	5994.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	0.7
10°-20°	123.1	2.1
20°-30°	225.0	3.8
30°-40°	387.9	6.5
40°-50°	663.0	11.1
50°-60°	1074.7	17.9
60°-70°	1782.9	29.7
70°-80°	1570.3	26.2
80°-90°	126.6	2.1
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°	5994.0	100.0
0°-180°	5994.0	100.0



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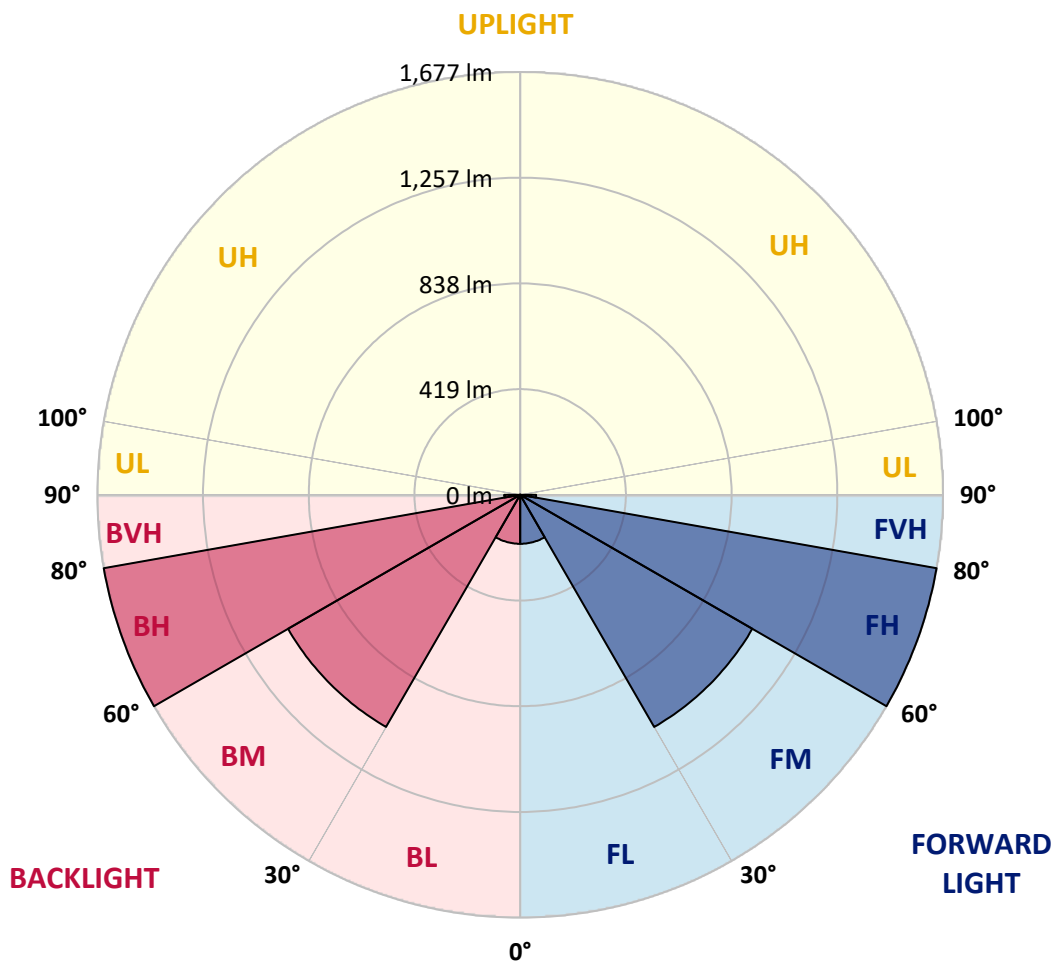
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	194.3	3.2			
FM	(30°-60°)	1062.8	17.7			
FH	(60°-80°)	1676.6	28.0			G1/1800
FVH	(80°-90°)	63.3	1.1			G1/100
BL	(0°-30°)	194.3	3.2	B1/500		
BM	(30°-60°)	1062.8	17.7	B2/2500		
BH	(60°-80°)	1676.6	28.0	B3/2500		G1/1800
BVH	(80°-90°)	63.3	1.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5
2.5°	424.5	424.7	425.0	424.7	424.7	424.5	424.2	424.5	424.2	423.6	423.9
5°	425.8	426.4	426.4	425.8	426.1	425.8	425.3	425.6	425.0	424.2	424.2
7.5°	427.5	427.8	427.8	427.2	427.5	426.9	426.4	426.1	425.6	424.5	423.6
10°	430.0	430.2	430.0	429.4	429.4	428.6	427.2	426.7	425.6	423.9	423.1
12.5°	432.7	433.0	432.7	432.2	431.9	430.5	429.4	428.6	427.8	426.4	425.0
15°	436.6	437.1	436.6	435.5	434.6	433.5	433.0	433.3	433.5	432.4	431.1
17.5°	443.7	444.0	443.2	440.7	439.6	438.5	438.5	439.0	439.9	439.3	437.9
20°	456.9	456.1	454.2	451.1	449.8	447.8	447.6	447.8	447.8	447.6	446.5
22.5°	473.4	472.9	470.4	466.5	464.6	463.5	461.9	460.5	460.2	459.4	458.3
25°	493.2	492.9	489.9	486.6	485.2	483.8	482.5	480.6	478.9	477.0	475.9
27.5°	518.5	517.4	513.0	511.3	509.4	508.6	506.7	504.5	503.1	500.6	499.2
30°	546.3	546.3	542.7	542.1	542.1	540.2	538.0	534.2	531.7	529.2	528.4
32.5°	574.0	574.3	570.7	571.8	572.6	574.0	574.6	573.2	571.5	571.3	569.6
35°	614.2	613.1	609.5	610.3	610.0	609.8	609.8	612.8	613.3	613.9	610.6
37.5°	663.9	663.9	660.3	660.3	658.7	657.0	654.8	656.8	659.8	660.6	658.4
40°	720.8	722.8	718.4	718.1	718.6	713.4	710.9	714.0	715.9	719.2	716.7
42.5°	787.9	786.5	782.1	781.6	778.6	776.9	774.7	777.2	780.2	782.4	783.2
45°	852.2	851.1	846.2	846.2	843.2	841.8	842.9	847.0	848.4	851.4	854.4
47.5°	915.7	914.4	911.1	912.4	912.7	915.2	918.8	922.6	926.5	930.6	932.0
50°	980.6	980.9	977.3	980.6	984.7	991.6	1001.2	1007.6	1015.5	1020.8	1022.4
52.5°	1039.7	1040.8	1044.7	1052.4	1060.6	1074.1	1090.6	1106.0	1119.2	1128.0	1127.4
55°	1110.7	1112.3	1121.7	1134.8	1148.3	1168.7	1193.1	1220.3	1242.3	1255.0	1247.0
57.5°	1201.4	1205.0	1215.4	1233.3	1253.3	1279.7	1313.3	1354.2	1388.3	1405.4	1392.4
60°	1325.9	1328.1	1340.8	1360.6	1384.7	1417.5	1462.3	1517.3	1565.4	1587.9	1573.1
62.5°	1490.0	1494.2	1504.3	1524.4	1549.1	1586.3	1641.0	1709.7	1769.6	1801.0	1767.4
65°	1686.1	1699.2	1707.8	1728.1	1751.2	1790.5	1847.7	1921.4	1985.7	2006.3	1967.6
67.5°	1880.1	1891.7	1906.5	1929.9	1953.3	1997.5	2050.6	2122.1	2192.7	2211.4	2151.2
70°	1965.1	1971.7	1994.8	2026.7	2071.5	2123.7	2185.0	2265.3	2352.7	2368.1	2291.7
72.5°	1794.9	1801.5	1827.4	1881.5	1959.6	2042.6	2149.6	2267.5	2383.0	2400.3	2295.0
75°	1357.5	1346.8	1385.0	1456.8	1562.1	1677.8	1827.4	1996.4	2163.3	2185.0	2059.4
77.5°	701.6	700.2	729.1	818.1	943.8	1075.5	1240.1	1431.2	1594.5	1660.5	1558.2
80°	197.7	199.9	213.6	257.9	331.3	426.4	555.1	734.0	867.6	935.8	878.6
82.5°	77.5	83.6	88.8	97.0	106.7	120.7	161.1	239.7	321.7	384.3	314.8
85°	27.8	29.7	42.1	49.8	50.6	53.3	60.8	70.9	85.5	102.0	83.8
87.5°	10.4	11.5	13.5	22.3	22.0	20.1	24.5	25.6	19.2	17.6	21.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5
2.5°	423.4	423.6	423.6	423.9	424.2	424.2	424.7	424.7
5°	423.6	423.6	423.1	423.4	423.1	423.1	423.4	423.4
7.5°	423.1	422.8	422.3	422.0	421.4	421.4	421.4	421.4
10°	422.3	422.0	421.4	421.2	420.9	420.9	420.9	420.9
12.5°	424.5	423.6	423.1	422.8	422.8	422.8	422.8	422.8
15°	430.2	428.3	426.9	426.9	427.2	427.8	427.8	428.3
17.5°	437.4	435.2	433.8	432.7	433.3	434.1	434.6	435.2
20°	445.9	444.8	442.9	441.8	441.8	442.9	443.4	443.7
22.5°	457.7	456.9	456.1	454.7	454.7	455.3	456.4	456.4
25°	475.3	474.8	474.2	473.1	472.9	472.9	473.4	474.0
27.5°	497.3	497.6	497.0	496.8	495.9	495.7	496.5	496.2
30°	526.7	528.1	529.5	528.4	527.0	526.2	525.4	524.3
32.5°	566.6	564.9	563.9	561.9	559.5	557.3	555.6	553.7
35°	604.3	601.5	600.4	602.1	601.8	600.4	598.5	596.8
37.5°	650.4	649.9	650.4	653.5	652.9	654.3	650.4	650.2
40°	708.7	709.3	713.1	716.7	718.6	720.6	718.4	716.2
42.5°	776.4	776.1	777.5	782.4	785.7	787.9	783.2	782.7
45°	847.8	845.9	847.0	851.1	854.4	856.9	851.7	851.7
47.5°	926.5	923.2	919.6	924.3	926.2	927.8	923.7	922.3
50°	1014.2	1007.3	999.6	1001.5	1001.5	1001.0	995.7	995.5
52.5°	1114.8	1102.1	1088.1	1082.9	1079.9	1076.6	1067.5	1063.1
55°	1230.5	1211.5	1189.6	1176.1	1168.9	1159.9	1144.7	1140.6
57.5°	1365.8	1336.1	1298.1	1281.7	1265.7	1250.9	1234.1	1229.4
60°	1526.1	1482.3	1432.0	1401.5	1384.2	1369.9	1352.6	1351.8
62.5°	1704.7	1635.7	1578.8	1551.3	1538.7	1526.1	1509.6	1511.8
65°	1886.5	1814.4	1761.1	1738.8	1727.0	1716.6	1700.1	1702.5
67.5°	2065.7	1999.5	1940.9	1918.1	1904.9	1891.7	1876.8	1879.3
70°	2194.4	2112.2	2046.2	1995.6	1964.0	1928.3	1905.2	1899.4
72.5°	2157.5	2030.8	1926.1	1825.7	1766.9	1719.0	1686.6	1672.6
75°	1867.2	1694.0	1559.3	1436.2	1366.9	1310.5	1269.6	1244.0
77.5°	1386.7	1192.0	1032.9	891.0	778.8	703.5	650.4	616.1
80°	759.0	577.3	422.0	296.6	218.0	181.2	160.0	149.8
82.5°	236.4	152.6	112.4	97.0	90.2	86.3	80.0	69.8
85°	75.3	66.0	61.3	58.6	55.8	48.7	33.5	30.5
87.5°	29.1	30.0	29.7	28.0	28.6	20.6	16.5	14.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)