

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: P197649

Luminaire Tested: **TT-C6-LED-E1-MQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197649
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33410)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C6-LED-E1-MQ-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9259.2 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 108
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



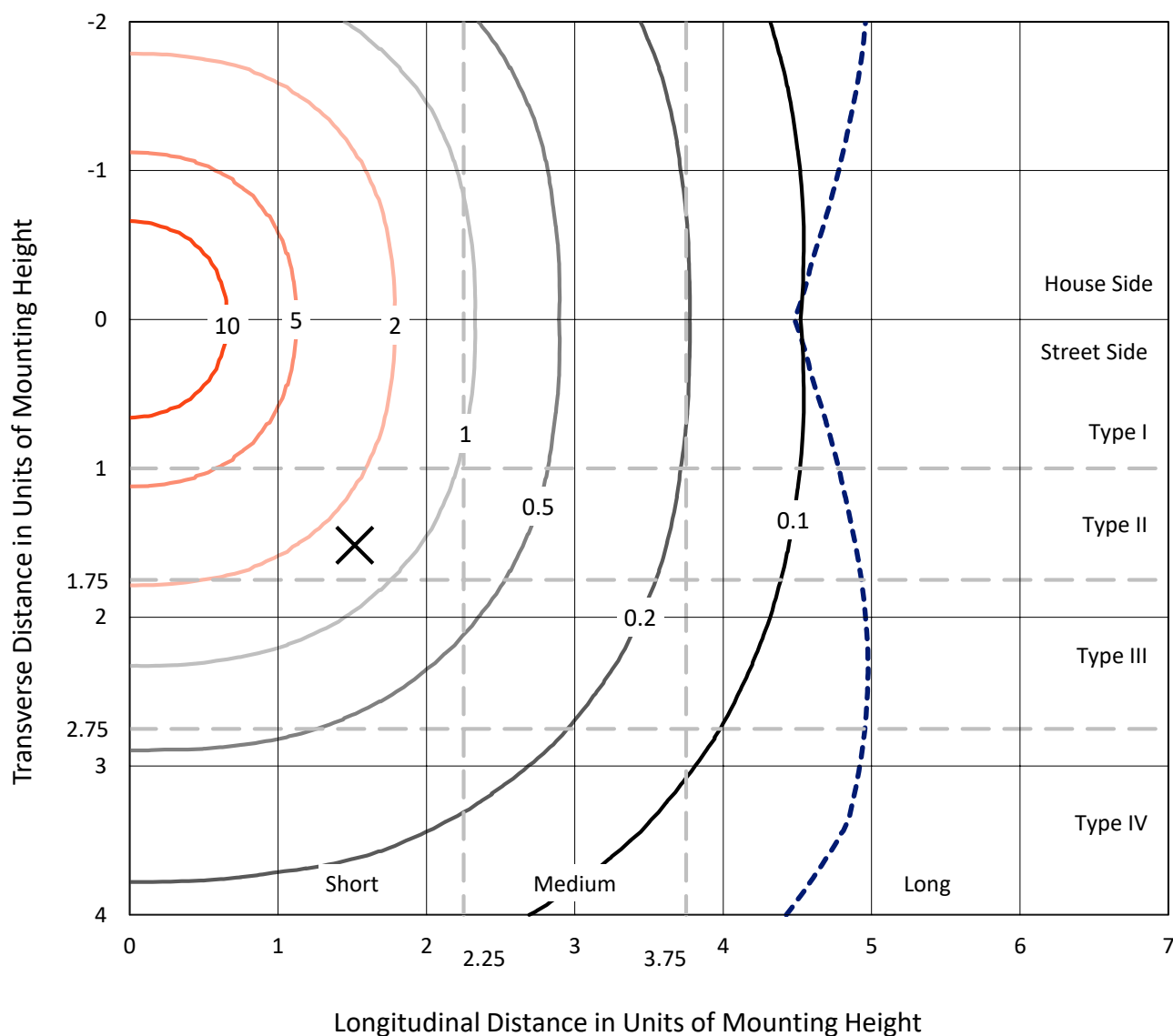
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

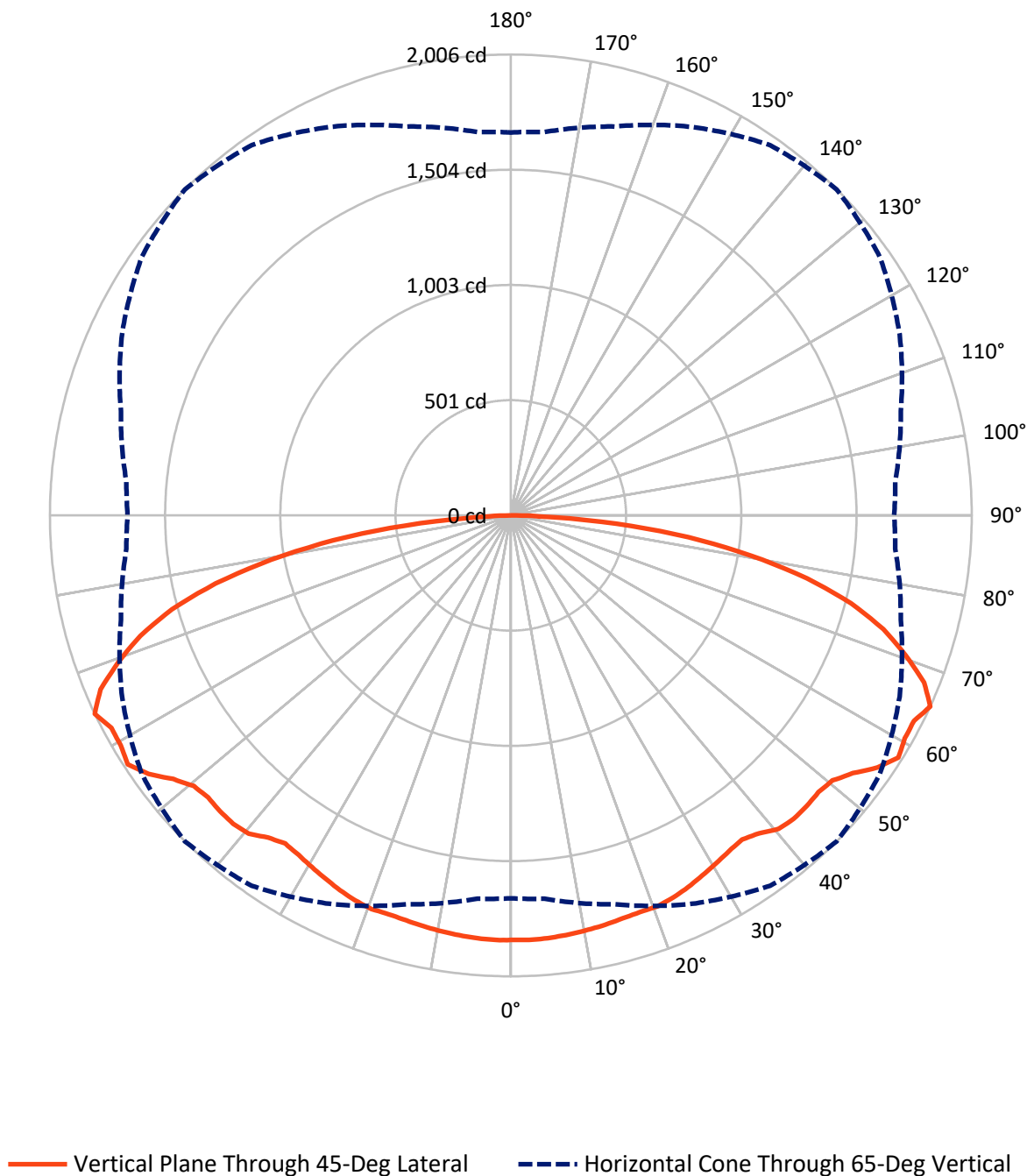


Based on 10 foot mounting height. Maximum calculated value = 18.5 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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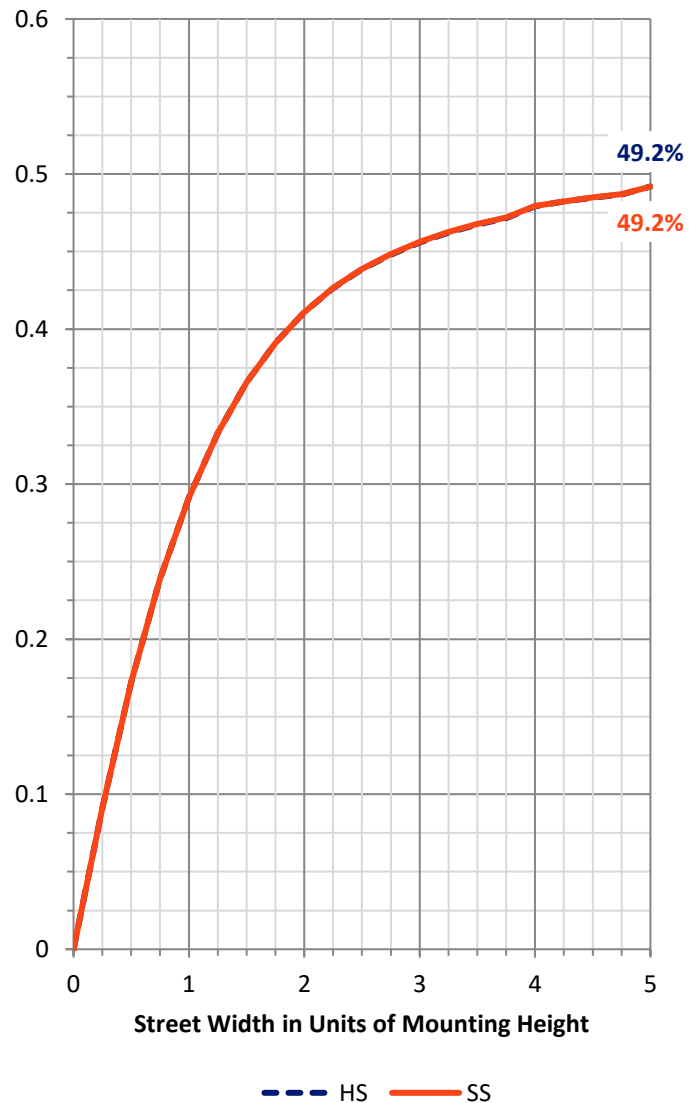
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4629.6	0.0	4629.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4629.6	0.0	4629.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	9259.2	0.0	9259.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.8	1.9
10°-20°	515.7	5.6
20°-30°	825.2	8.9
30°-40°	1090.0	11.8
40°-50°	1362.5	14.7
50°-60°	1635.8	17.7
60°-70°	1788.0	19.3
70°-80°	1420.7	15.3
80°-90°	445.5	4.8
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°	9259.2	100.0
0°-180°	9259.2	100.0

Coefficient of Utilization



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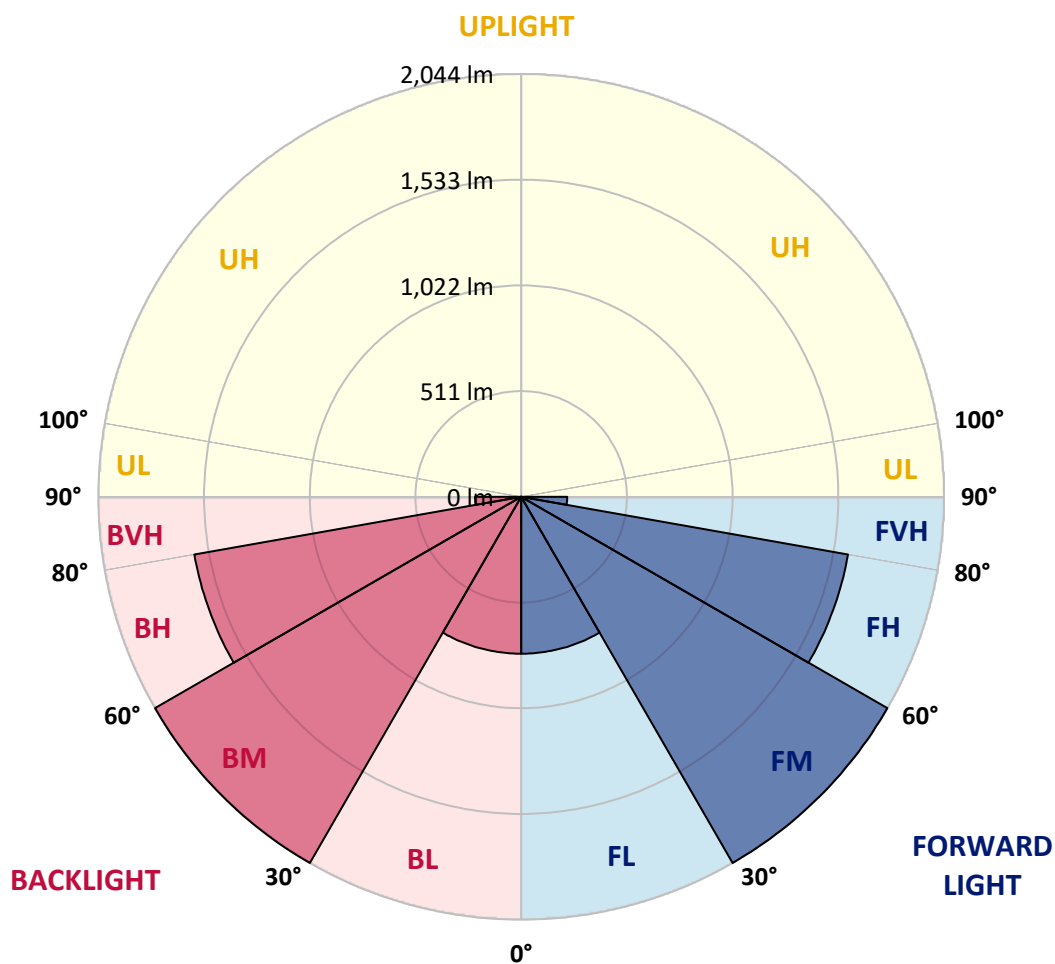
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	758.4	8.2			
FM	(30°-60°)	2044.1	22.1			
FH	(60°-80°)	1604.3	17.3			G1/1800
FVH	(80°-90°)	222.7	2.4			G2/225
BL	(0°-30°)	758.4	8.2	B2/1000		
BM	(30°-60°)	2044.1	22.1	B2/2500		
BH	(60°-80°)	1604.3	17.3	B3/2500		G1/1800
BVH	(80°-90°)	222.7	2.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1847.3	1847.3	1847.3	1847.3	1847.3	1847.3	1847.3	1847.3	1847.3	1847.3	1847.3
2.5°	1848.9	1848.9	1848.9	1848.9	1847.3	1848.9	1847.3	1847.3	1848.9	1848.9	1848.9
5°	1845.7	1845.7	1845.7	1845.7	1845.7	1845.7	1845.7	1845.7	1845.7	1845.7	1845.7
7.5°	1840.8	1840.8	1840.8	1840.8	1840.8	1840.8	1840.8	1840.8	1840.8	1840.8	1840.8
10°	1834.4	1836.0	1836.0	1836.0	1834.4	1834.4	1834.4	1836.0	1836.0	1834.4	1834.4
12.5°	1827.9	1827.9	1829.5	1827.9	1827.9	1827.9	1827.9	1827.9	1827.9	1827.9	1826.3
15°	1818.2	1818.2	1819.8	1819.8	1819.8	1819.8	1819.8	1818.2	1818.2	1816.6	1816.6
17.5°	1810.1	1810.1	1813.3	1813.3	1815.0	1815.0	1815.0	1811.7	1811.7	1808.5	1808.5
20°	1808.5	1808.5	1810.1	1813.3	1815.0	1816.6	1815.0	1811.7	1808.5	1805.3	1805.3
22.5°	1797.2	1798.8	1802.0	1803.6	1806.9	1806.9	1806.9	1802.0	1800.4	1797.2	1797.2
25°	1782.6	1781.0	1785.8	1789.1	1792.3	1792.3	1790.7	1787.5	1785.8	1781.0	1781.0
27.5°	1760.0	1761.6	1764.8	1769.7	1774.5	1774.5	1772.9	1769.7	1766.4	1763.2	1761.6
30°	1740.5	1742.2	1745.4	1750.3	1753.5	1758.3	1753.5	1750.3	1745.4	1743.8	1742.2
32.5°	1719.5	1721.1	1726.0	1734.1	1738.9	1742.2	1738.9	1735.7	1727.6	1722.8	1721.1
35°	1705.0	1706.6	1711.4	1722.8	1732.5	1732.5	1732.5	1724.4	1714.7	1706.6	1705.0
37.5°	1706.6	1709.8	1721.1	1737.3	1753.5	1755.1	1753.5	1737.3	1722.8	1709.8	1708.2
40°	1719.5	1722.8	1742.2	1766.4	1787.5	1793.9	1789.1	1766.4	1743.8	1726.0	1721.1
42.5°	1717.9	1722.8	1743.8	1774.5	1795.5	1805.3	1795.5	1774.5	1747.0	1727.6	1721.1
45°	1711.4	1714.7	1737.3	1769.7	1795.5	1805.3	1797.2	1772.9	1742.2	1719.5	1714.7
47.5°	1701.7	1705.0	1722.8	1761.6	1790.7	1800.4	1792.3	1766.4	1727.6	1709.8	1706.6
50°	1688.8	1698.5	1727.6	1768.0	1806.9	1813.3	1808.5	1771.3	1730.8	1705.0	1692.0
52.5°	1701.7	1700.1	1734.1	1806.9	1842.5	1863.5	1847.3	1803.6	1742.2	1708.2	1705.0
55°	1730.8	1743.8	1781.0	1848.9	1907.2	1936.3	1913.6	1853.8	1784.2	1742.2	1734.1
57.5°	1729.2	1745.4	1811.7	1879.7	1968.6	1988.0	1962.2	1887.7	1808.5	1753.5	1732.5
60°	1719.5	1726.0	1776.1	1897.5	1947.6	1970.2	1947.6	1889.4	1789.1	1727.6	1727.6
62.5°	1687.2	1698.5	1777.8	1861.9	1933.0	1968.6	1941.1	1868.3	1776.1	1709.8	1688.8
65°	1666.1	1674.2	1751.9	1865.1	1967.0	2005.8	1960.5	1866.7	1756.7	1679.1	1667.8
67.5°	1599.8	1614.4	1687.2	1810.1	1908.8	1939.5	1921.7	1806.9	1687.2	1616.0	1598.2
70°	1486.6	1494.7	1595.0	1711.4	1802.0	1823.0	1797.2	1722.8	1585.3	1506.0	1481.7
72.5°	1347.5	1358.8	1451.0	1580.4	1667.8	1695.3	1664.5	1585.3	1442.9	1371.7	1349.1
75°	1206.7	1218.1	1277.9	1418.6	1491.4	1530.3	1494.7	1408.9	1281.1	1211.6	1201.9
77.5°	1004.5	1022.3	1114.5	1208.4	1277.9	1318.4	1287.6	1208.4	1108.1	1025.6	994.8
80°	789.4	802.3	888.1	970.6	1033.7	1059.5	1045.0	970.6	889.7	805.6	791.0
82.5°	553.2	561.3	635.7	702.0	779.7	779.7	763.5	715.0	634.1	561.3	564.5
85°	296.0	305.7	362.3	414.1	462.6	462.6	448.1	417.3	360.7	304.1	297.6
87.5°	59.9	66.3	87.4	95.4	113.2	121.3	110.0	100.3	87.4	69.6	69.6
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)