

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: P197577

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197577
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33411)
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-CQ-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
CONCENTRATED DISTRIBUTION
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9398.2 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

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



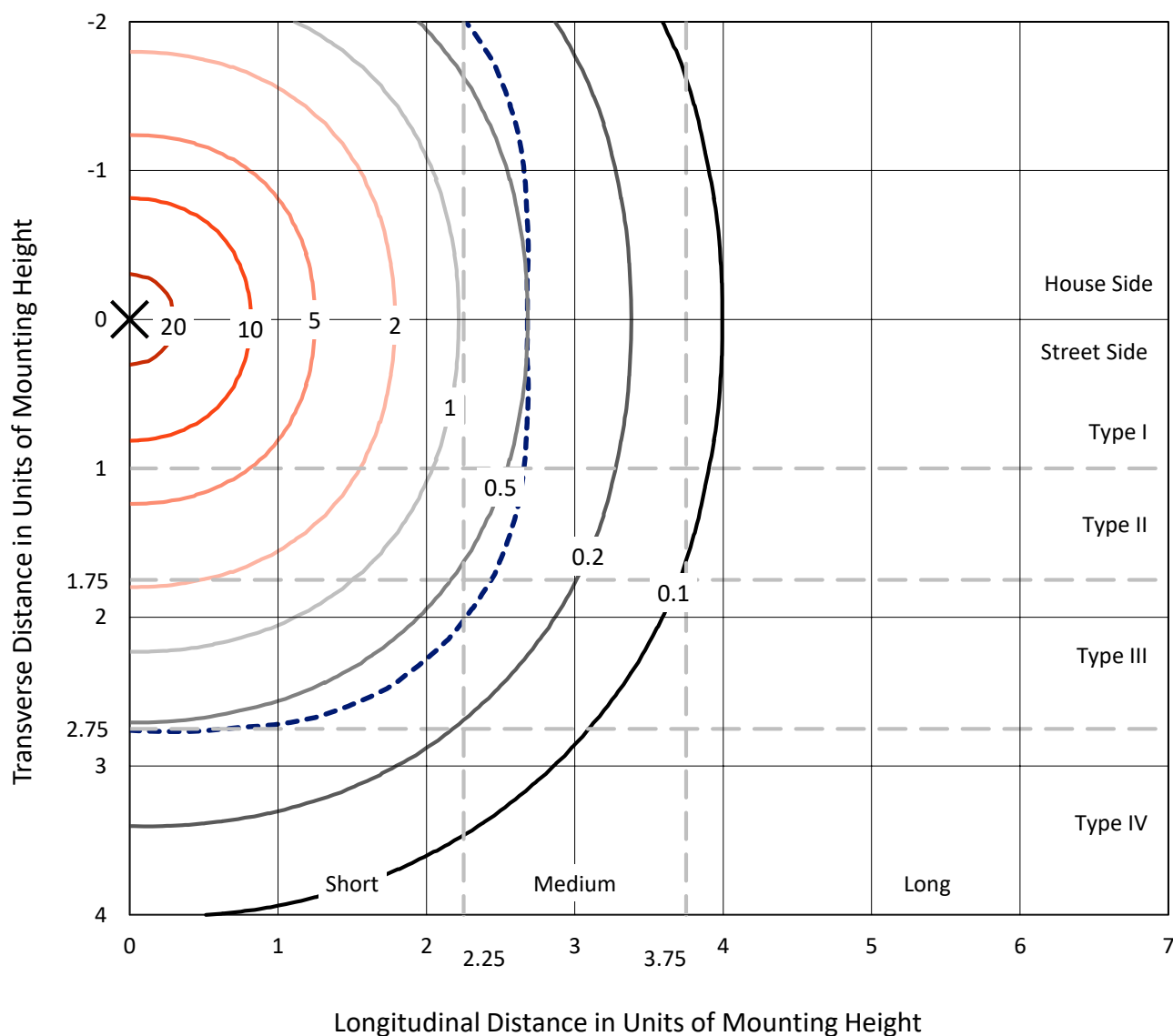
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

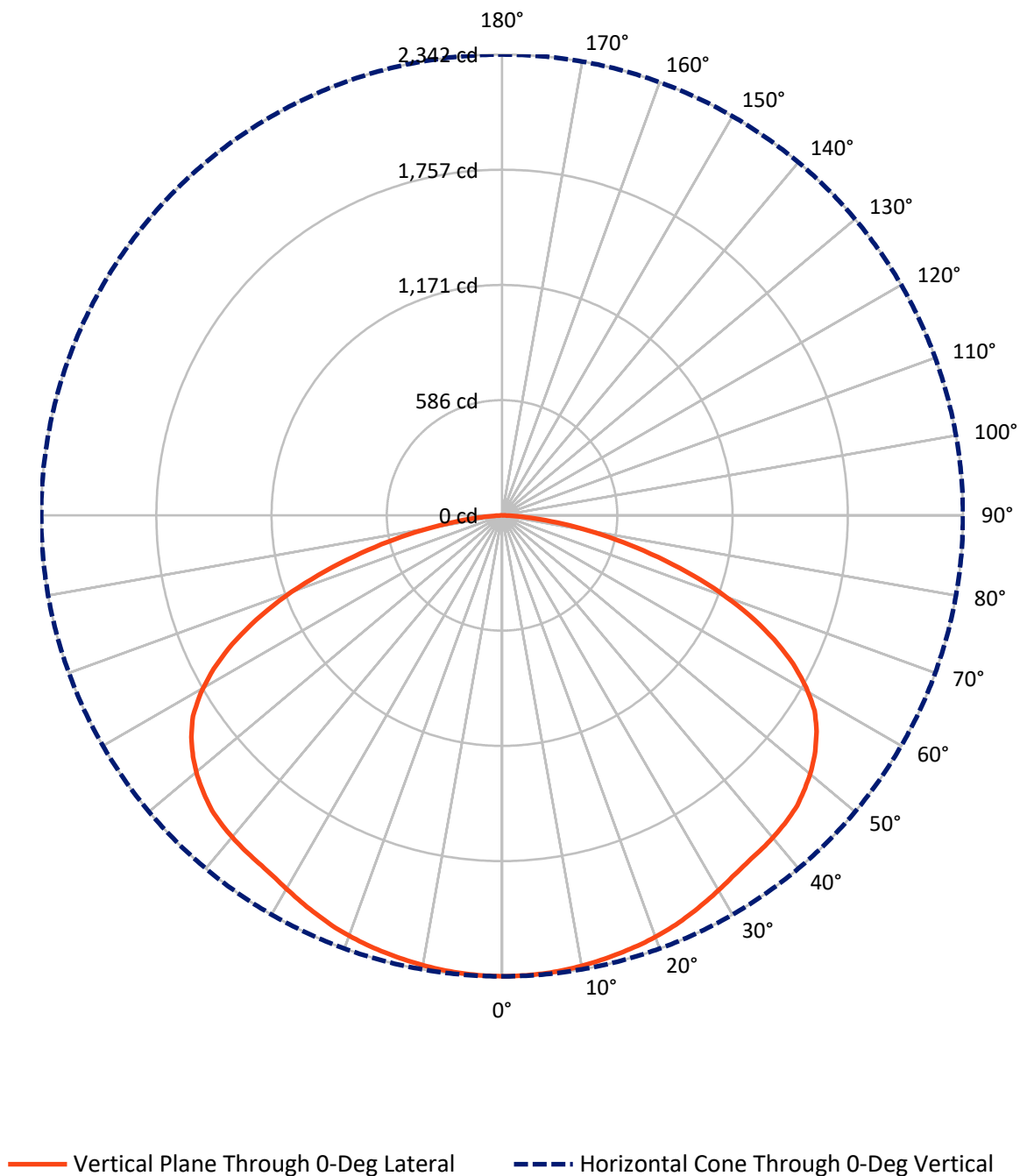


Based on 10 foot mounting height. Maximum calculated value = 23.4 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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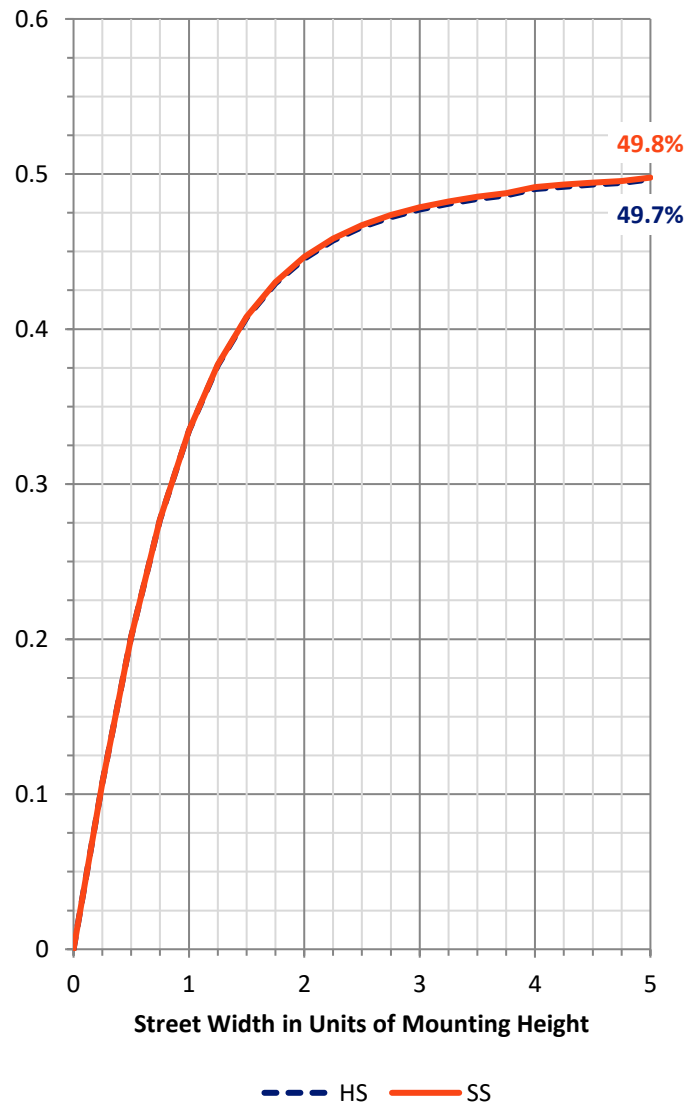
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4699.1	0.0	4699.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4699.1	0.0	4699.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	9398.2	0.0	9398.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.6	2.4
10°-20°	651.8	6.9
20°-30°	1036.9	11.0
30°-40°	1371.4	14.6
40°-50°	1673.4	17.8
50°-60°	1807.2	19.2
60°-70°	1565.1	16.7
70°-80°	887.4	9.4
80°-90°	182.5	1.9
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°	9398.2	100.0
0°-180°	9398.2	100.0

Coefficient of Utilization



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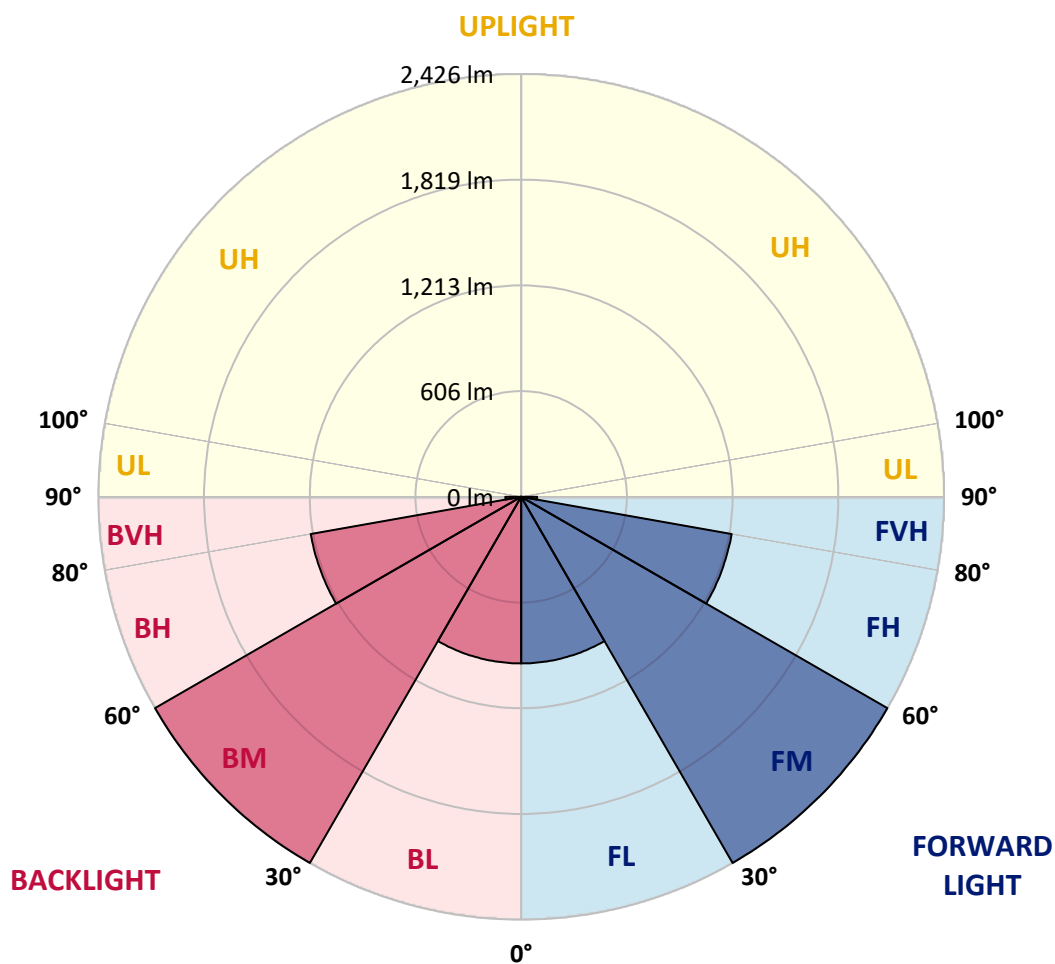
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	955.7	10.2			
FM	(30°-60°)	2426.0	25.8			
FH	(60°-80°)	1226.2	13.0			G1/1800
FVH	(80°-90°)	91.2	1.0			G1/100
BL	(0°-30°)	955.7	10.2	B2/1000		
BM	(30°-60°)	2426.0	25.8	B2/2500		
BH	(60°-80°)	1226.2	13.0	B3/2500		G1/1800
BVH	(80°-90°)	91.2	1.0			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°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2342.2	2342.2	2342.2	2342.2	2342.2	2342.2	2342.2	2342.2	2342.2	2342.2	2342.2
2.5°	2340.6	2340.6	2340.6	2340.6	2340.6	2340.6	2340.6	2340.6	2340.6	2340.6	2340.6
5°	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3	2337.3
7.5°	2330.8	2330.8	2330.8	2330.8	2330.8	2332.5	2330.8	2330.8	2330.8	2330.8	2332.5
10°	2322.8	2322.8	2324.4	2324.4	2322.8	2322.8	2322.8	2322.8	2322.8	2322.8	2322.8
12.5°	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2313.1	2311.4	2311.4	2311.4
15°	2301.7	2301.7	2301.7	2303.3	2303.3	2303.3	2303.3	2301.7	2300.1	2298.5	2300.1
17.5°	2290.4	2290.4	2292.0	2293.6	2293.6	2293.6	2293.6	2290.4	2288.8	2287.2	2287.2
20°	2275.9	2277.5	2277.5	2279.1	2280.7	2280.7	2280.7	2279.1	2275.9	2272.6	2272.6
22.5°	2259.7	2261.3	2262.9	2264.5	2266.1	2264.5	2264.5	2262.9	2259.7	2258.1	2256.4
25°	2238.6	2238.6	2241.9	2245.1	2246.7	2246.7	2246.7	2243.5	2240.3	2238.6	2237.0
27.5°	2217.6	2217.6	2220.9	2225.7	2227.3	2228.9	2225.7	2224.1	2219.2	2216.0	2216.0
30°	2195.0	2195.0	2199.8	2206.3	2211.1	2212.8	2211.1	2204.7	2198.2	2195.0	2195.0
32.5°	2173.9	2175.6	2180.4	2190.1	2198.2	2201.4	2199.8	2191.7	2183.7	2177.2	2175.6
35°	2157.8	2159.4	2169.1	2180.4	2193.4	2198.2	2193.4	2185.3	2172.3	2162.6	2162.6
37.5°	2148.1	2148.1	2161.0	2180.4	2195.0	2201.4	2195.0	2183.7	2165.9	2152.9	2152.9
40°	2136.7	2140.0	2156.2	2180.4	2201.4	2211.1	2203.1	2186.9	2164.2	2148.1	2146.4
42.5°	2122.2	2127.0	2144.8	2177.2	2203.1	2217.6	2209.5	2190.1	2162.6	2144.8	2143.2
45°	2102.8	2104.4	2127.0	2165.9	2199.8	2219.2	2212.8	2188.5	2157.8	2136.7	2133.5
47.5°	2072.0	2075.3	2102.8	2148.1	2190.1	2211.1	2206.3	2178.8	2140.0	2115.7	2110.9
50°	2036.5	2039.7	2072.0	2123.8	2170.7	2195.0	2186.9	2152.9	2110.9	2078.5	2075.3
52.5°	1992.8	1999.3	2034.8	2093.1	2143.2	2165.9	2152.9	2109.2	2060.7	2025.1	2021.9
55°	1939.4	1945.9	1986.3	2047.8	2097.9	2115.7	2097.9	2046.2	1994.4	1954.0	1945.9
57.5°	1873.1	1877.9	1916.8	1981.5	2030.0	2044.5	2021.9	1968.5	1907.1	1863.4	1858.5
60°	1776.0	1782.5	1827.8	1887.6	1936.2	1954.0	1931.3	1866.6	1800.3	1756.6	1755.0
62.5°	1659.6	1670.9	1709.7	1774.4	1818.1	1842.4	1811.6	1745.3	1679.0	1628.8	1628.8
65°	1518.9	1526.9	1569.0	1632.1	1674.1	1695.2	1664.4	1603.0	1530.2	1486.5	1481.6
67.5°	1357.1	1363.6	1400.8	1465.5	1510.8	1528.6	1494.6	1436.4	1368.4	1321.5	1316.7
70°	1177.6	1187.3	1214.8	1274.6	1315.0	1324.7	1298.9	1243.9	1182.4	1140.4	1137.1
72.5°	981.8	989.9	1025.5	1072.4	1104.8	1108.0	1091.8	1051.4	988.3	954.3	949.5
75°	781.3	794.2	824.9	865.4	889.6	889.6	879.9	850.8	795.8	769.9	769.9
77.5°	592.0	598.5	630.8	658.3	677.7	687.4	676.1	650.2	606.6	588.8	579.1
80°	412.5	418.9	433.5	454.5	473.9	480.4	467.5	446.4	422.2	409.2	402.8
82.5°	252.3	258.8	266.9	278.2	291.2	297.6	289.5	276.6	255.6	254.0	252.3
85°	121.3	124.5	131.0	134.3	140.7	142.3	144.0	137.5	131.0	122.9	126.2
87.5°	37.2	37.2	38.8	40.4	43.7	43.7	43.7	42.1	38.8	37.2	37.2
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)