

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: P197768

Luminaire Tested: **TT-C5-LED-E1-WQ-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115468)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C5-LED-E1-WQ-MS/DIM-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8527.3 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 77
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



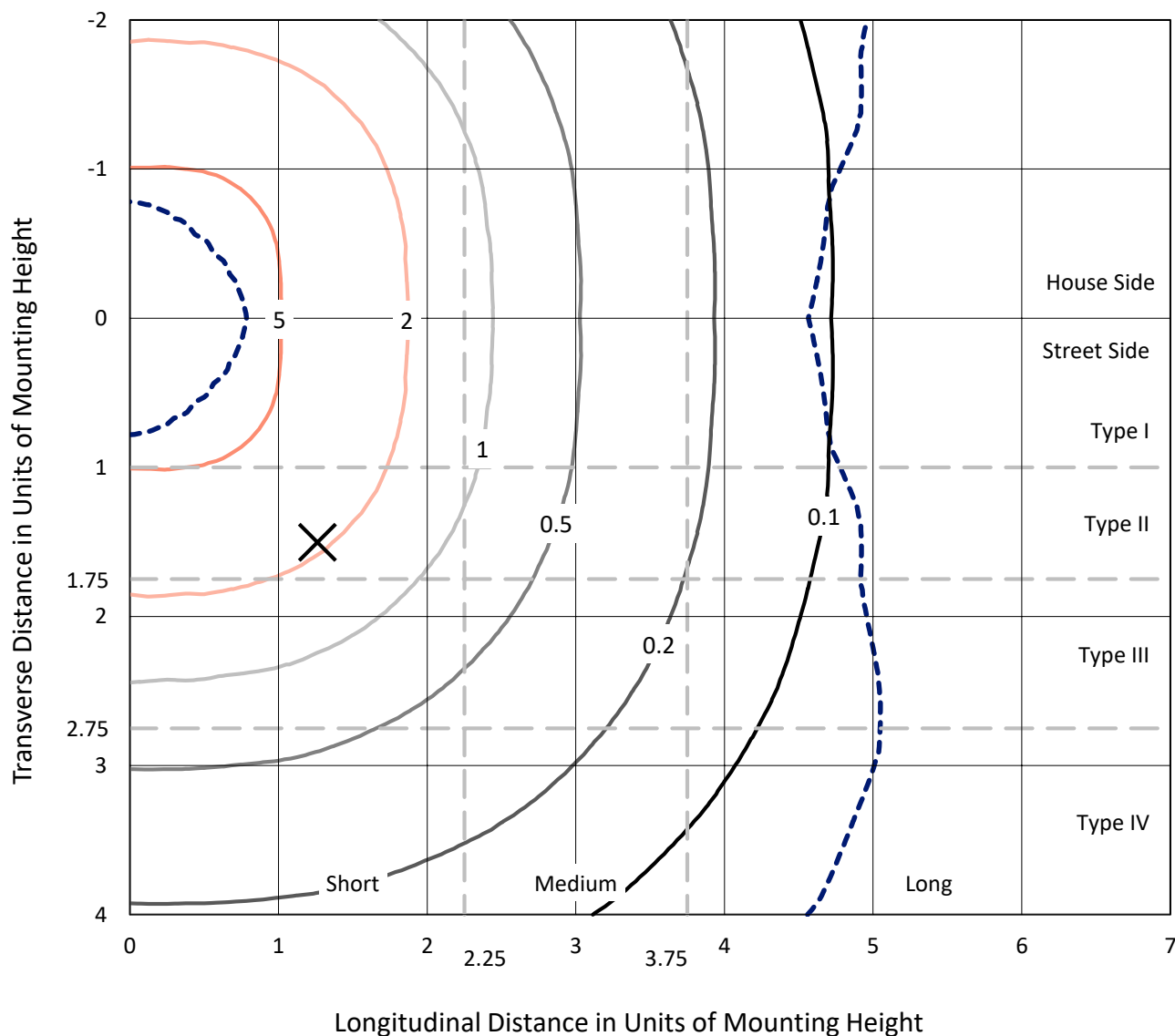
REPORT NUMBER: P197768

CATALOG NUMBER: TT-C5-LED-E1-WQ-MS/DIM-7060

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

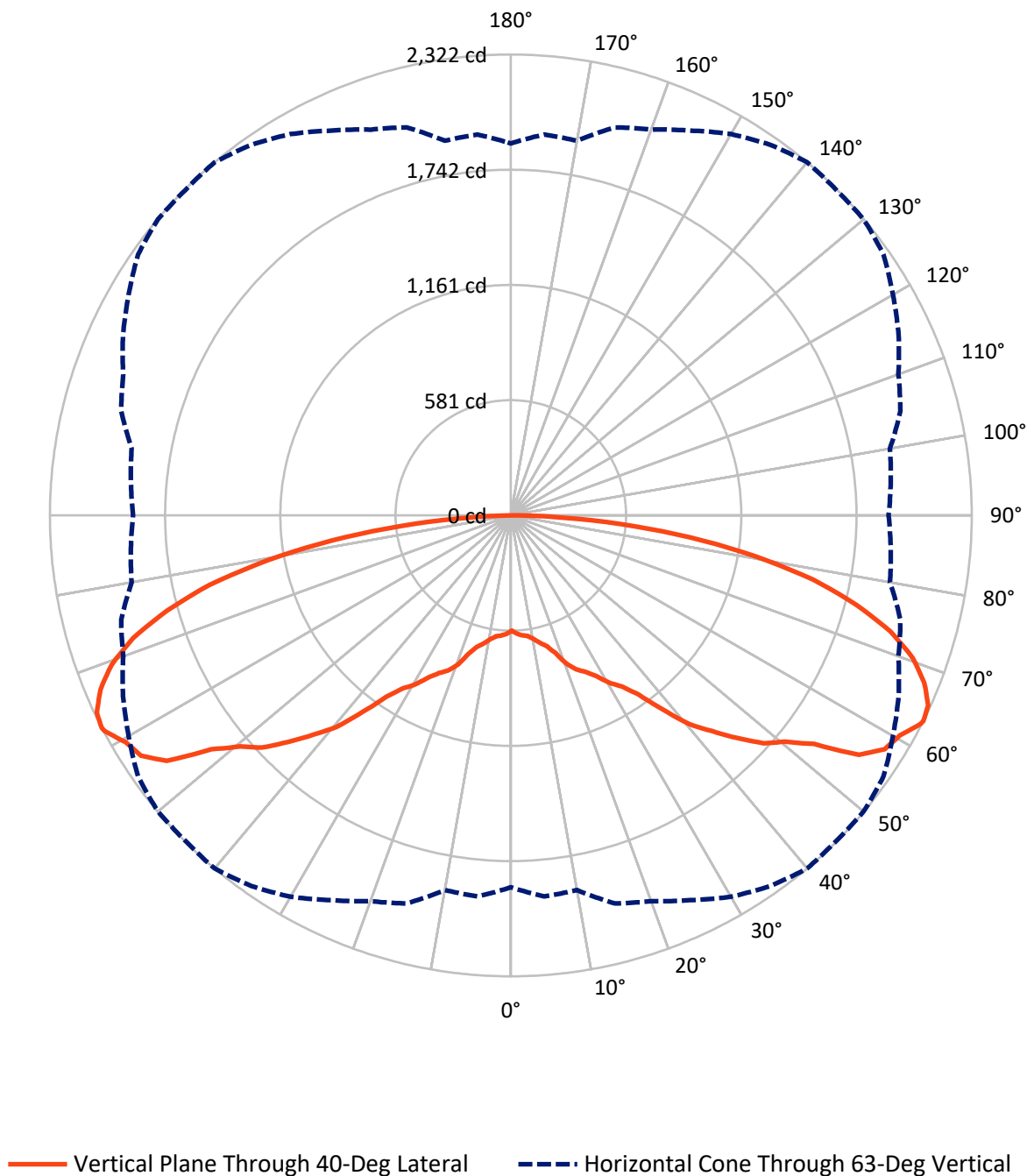


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
Type V - Short - Semi-Cutoff

REPORT NUMBER: P197768

CATALOG NUMBER: TT-C5-LED-E1-WQ-MS/DIM-7060

Luminous Intensity Polar Plot



REPORT NUMBER: P197768

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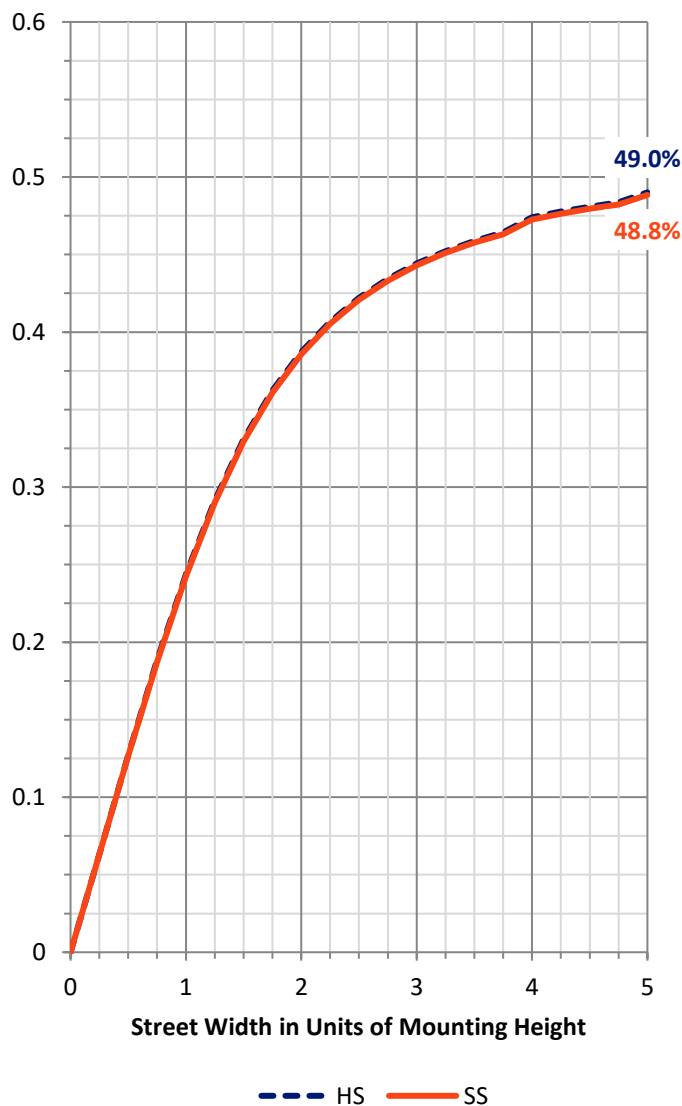
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4263.6	0.0	4263.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4263.6	0.0	4263.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	8527.3	0.0	8527.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.6	0.7
10°-20°	199.2	2.3
20°-30°	405.0	4.7
30°-40°	698.0	8.2
40°-50°	1175.9	13.8
50°-60°	1731.5	20.3
60°-70°	2059.0	24.1
70°-80°	1666.8	19.5
80°-90°	533.3	6.3
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°	8527.3	100.0
0°-180°	8527.3	100.0

Coefficient of Utilization



REPORT NUMBER: P197768

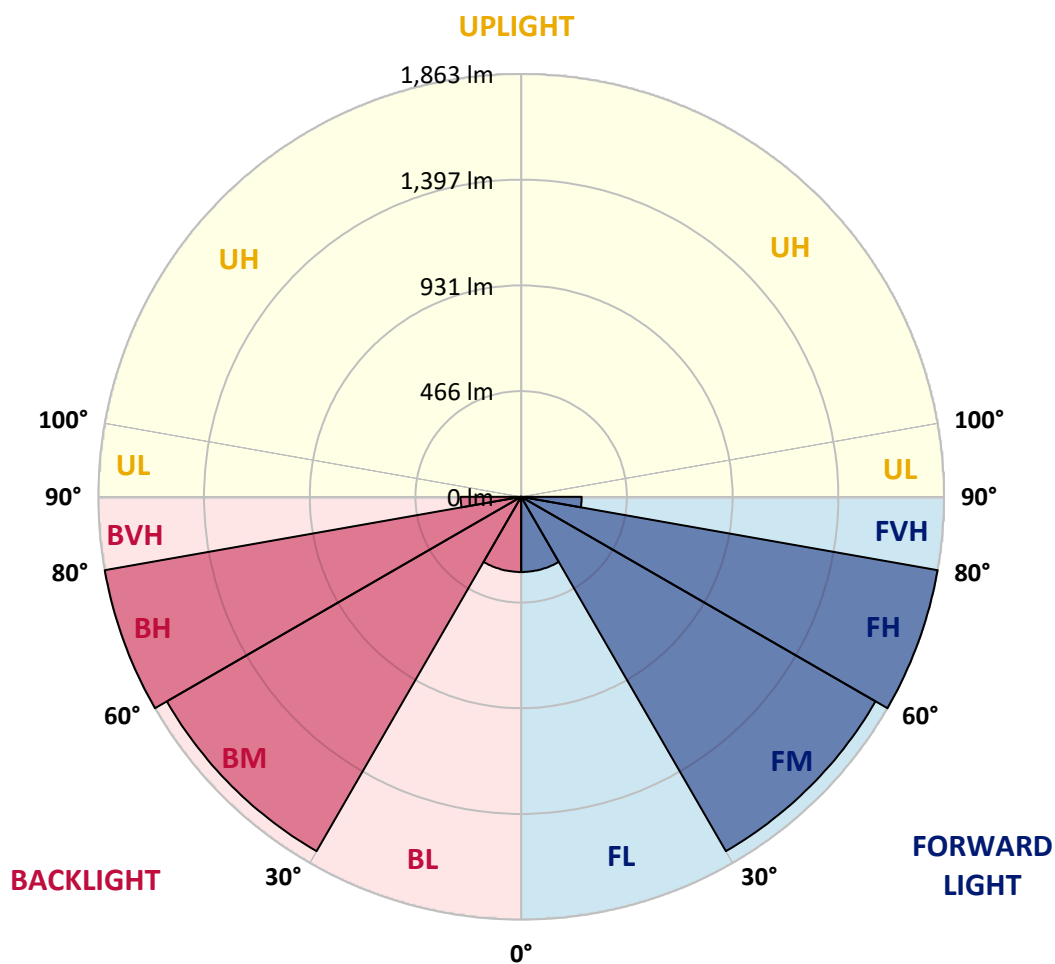
CATALOG NUMBER: TT-C5-LED-E1-WQ-MS/DIM-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	331.4	3.9			
FM	(30°-60°)	1802.7	21.1			
FH	(60°-80°)	1862.9	21.8			G2/5000
FVH	(80°-90°)	266.6	3.1			G3/500
BL	(0°-30°)	331.4	3.9	B1/500		
BM	(30°-60°)	1802.7	21.1	B2/2500		
BH	(60°-80°)	1862.9	21.8	B3/2500		G2/5000
BVH	(80°-90°)	266.6	3.1			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short



REPORT NUMBER: P197768

CATALOG NUMBER: TT-C5-LED-E1-WQ-MS/DIM-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	580.5	580.5	580.5	580.5	580.5	580.5	580.5	580.5	580.5	580.5	580.5
2.5°	598.7	598.7	598.7	598.7	598.7	598.7	597.1	598.7	597.1	597.1	597.1
5°	610.2	610.2	610.2	610.2	608.7	608.7	607.0	607.0	607.0	605.3	607.0
7.5°	615.3	615.3	615.3	615.3	613.6	613.6	613.6	613.6	613.6	613.6	613.6
10°	626.7	626.7	628.4	630.1	633.3	633.3	633.3	635.0	633.3	633.3	633.3
12.5°	651.5	649.9	653.2	656.4	659.8	661.3	661.3	661.3	659.8	659.8	661.3
15°	686.1	682.9	684.4	686.1	687.8	689.5	689.5	687.8	684.4	684.4	684.4
17.5°	730.7	725.8	724.1	722.4	722.4	725.8	729.0	727.5	729.0	727.5	729.0
20°	783.5	780.1	780.1	780.1	781.8	788.4	794.9	798.3	796.6	793.4	798.3
22.5°	818.1	819.7	828.0	826.3	824.6	831.2	839.5	846.1	842.9	838.0	841.2
25°	856.0	856.0	867.7	872.5	867.7	867.7	870.9	875.8	872.5	869.2	872.5
27.5°	898.9	898.9	903.9	908.8	905.4	905.4	910.5	918.8	917.1	915.4	917.1
30°	950.0	943.4	938.5	946.8	955.0	956.7	961.6	974.8	978.2	976.5	979.7
32.5°	997.9	987.9	991.3	996.2	1014.4	1021.0	1019.3	1029.3	1027.6	1022.7	1029.3
35°	1044.1	1055.6	1062.2	1072.1	1078.7	1087.0	1087.0	1105.0	1108.4	1103.5	1108.4
37.5°	1133.2	1138.1	1156.3	1157.8	1166.1	1197.5	1200.7	1225.5	1238.6	1232.1	1233.7
40°	1255.2	1253.5	1266.8	1286.6	1303.1	1342.6	1354.2	1370.6	1382.2	1377.3	1383.9
42.5°	1354.2	1341.0	1350.8	1393.7	1411.9	1441.6	1456.4	1464.7	1486.1	1479.6	1487.8
45°	1425.1	1430.0	1443.3	1486.1	1497.6	1522.4	1557.0	1571.8	1599.8	1591.7	1596.6
47.5°	1494.4	1517.5	1529.0	1548.7	1585.0	1618.1	1660.9	1675.8	1715.4	1712.0	1707.1
50°	1585.0	1603.2	1616.4	1631.2	1680.8	1735.1	1771.4	1778.0	1791.3	1781.4	1797.9
52.5°	1682.3	1680.8	1692.3	1733.5	1802.8	1824.2	1855.6	1885.3	1913.3	1923.2	1913.3
55°	1811.1	1769.7	1817.6	1877.0	1906.7	1957.8	2033.7	2074.9	2129.4	2137.7	2121.1
57.5°	1863.9	1863.9	1913.3	1947.9	2002.4	2093.1	2173.9	2193.7	2221.7	2206.8	2223.4
60°	1857.3	1919.9	1919.9	1980.9	2070.0	2150.8	2180.5	2213.4	2251.4	2249.9	2249.9
62.5°	1865.5	1926.5	1909.9	2015.5	2070.0	2136.0	2201.9	2263.0	2315.8	2314.1	2312.5
63°	1873.6	1926.5	1916.7	2023.8	2068.3	2139.2	2218.5	2279.4	2322.4	2319.0	2320.7
65°	1898.4	1883.6	1943.0	2010.6	2061.8	2167.4	2233.3	2281.1	2310.8	2309.1	2309.1
67.5°	1852.2	1817.6	1901.8	1928.1	2025.5	2119.5	2170.6	2225.1	2246.5	2246.5	2243.1
70°	1710.5	1725.2	1783.1	1825.9	1924.8	2008.9	2051.8	2121.1	2147.5	2147.5	2145.9
72.5°	1566.9	1591.7	1631.2	1692.3	1786.3	1852.2	1903.3	1966.1	2000.7	1999.0	1999.0
75°	1383.9	1407.0	1453.1	1510.9	1593.3	1657.7	1698.9	1758.3	1797.9	1812.7	1796.2
77.5°	1177.7	1184.3	1227.2	1286.6	1359.1	1403.6	1466.4	1524.1	1557.0	1555.3	1550.4
80°	927.0	935.1	971.6	1039.1	1078.7	1131.5	1189.2	1220.6	1248.6	1248.6	1245.2
82.5°	639.9	658.1	694.4	738.9	780.1	826.3	857.7	889.1	912.2	910.5	905.4
85°	361.2	369.5	404.1	432.2	463.4	493.1	514.6	534.5	554.2	554.2	550.8
87.5°	108.8	97.3	117.1	128.7	145.1	159.9	169.9	189.6	203.0	188.1	188.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P197768

CATALOG NUMBER: TT-C5-LED-E1-WQ-MS/DIM-7060

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	580.5	580.5	580.5	580.5	580.5	580.5	580.5	580.5
2.5°	598.7	598.7	598.7	598.7	598.7	598.7	598.7	598.7
5°	607.0	608.7	608.7	610.2	610.2	610.2	610.2	610.2
7.5°	613.6	613.6	613.6	613.6	615.3	615.3	615.3	615.3
10°	633.3	635.0	633.3	633.3	630.1	628.4	628.4	628.4
12.5°	661.3	663.0	663.0	659.8	656.4	653.2	651.5	649.9
15°	687.8	692.7	689.5	687.8	684.4	686.1	686.1	687.8
17.5°	729.0	730.7	725.8	722.4	720.7	724.1	727.5	729.0
20°	800.0	796.6	786.8	783.5	780.1	780.1	783.5	783.5
22.5°	844.5	836.3	829.7	826.3	826.3	826.3	821.4	814.8
25°	875.8	870.9	866.0	869.2	872.5	867.7	856.0	854.3
27.5°	918.8	908.8	907.1	905.4	907.1	903.9	902.2	895.7
30°	974.8	961.6	958.2	955.0	945.1	941.9	945.1	950.0
32.5°	1027.6	1019.3	1022.7	1015.9	997.9	991.3	994.5	993.0
35°	1103.5	1088.7	1088.7	1075.3	1070.4	1068.8	1055.6	1044.1
37.5°	1223.8	1204.1	1199.2	1169.5	1156.3	1159.5	1141.5	1128.1
40°	1370.6	1355.9	1342.6	1309.7	1291.4	1268.3	1256.9	1256.9
42.5°	1467.9	1458.1	1439.9	1416.8	1397.1	1357.4	1342.6	1350.8
45°	1575.2	1562.0	1524.1	1501.0	1482.8	1454.8	1438.2	1421.9
47.5°	1684.0	1666.0	1621.4	1591.7	1548.7	1540.5	1522.4	1499.3
50°	1779.7	1773.1	1741.7	1692.3	1637.8	1624.6	1608.1	1586.7
52.5°	1896.8	1857.3	1830.8	1809.4	1748.3	1705.4	1682.3	1692.3
55°	2088.1	2038.6	1971.0	1903.3	1890.2	1839.1	1781.4	1812.7
57.5°	2198.6	2170.6	2119.5	2012.3	1959.5	1924.8	1887.0	1858.8
60°	2225.1	2173.9	2162.3	2081.5	1997.5	1924.8	1939.6	1873.6
62.5°	2276.2	2206.8	2142.6	2078.3	2027.2	1928.1	1924.8	1890.2
63°	2292.7	2223.4	2155.7	2078.3	2032.1	1939.6	1921.6	1903.3
65°	2289.3	2230.0	2178.8	2078.3	2008.9	1972.7	1883.6	1924.8
67.5°	2226.7	2177.1	2117.8	2048.6	1933.0	1905.0	1842.4	1850.7
70°	2126.0	2061.8	2005.7	1941.3	1849.0	1784.6	1746.8	1715.4
72.5°	1969.3	1911.6	1852.2	1792.8	1710.5	1632.9	1606.6	1571.8
75°	1761.6	1705.4	1651.1	1594.9	1517.5	1448.2	1420.2	1395.4
77.5°	1524.1	1476.2	1398.7	1345.9	1301.4	1227.2	1200.7	1174.4
80°	1215.5	1192.6	1136.4	1067.2	1044.1	971.6	951.7	917.1
82.5°	884.0	860.9	816.4	768.6	740.6	702.7	669.6	646.5
85°	539.4	514.6	491.4	448.6	432.2	404.1	377.7	364.6
87.5°	194.7	174.8	156.7	136.8	127.0	107.1	103.9	94.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)