

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: P157690

Luminaire Tested: **VTS-E06-LED-E1-5XQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157690
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33710)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-E06-LED-E1-5XQ
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18975.5 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U1 - G4

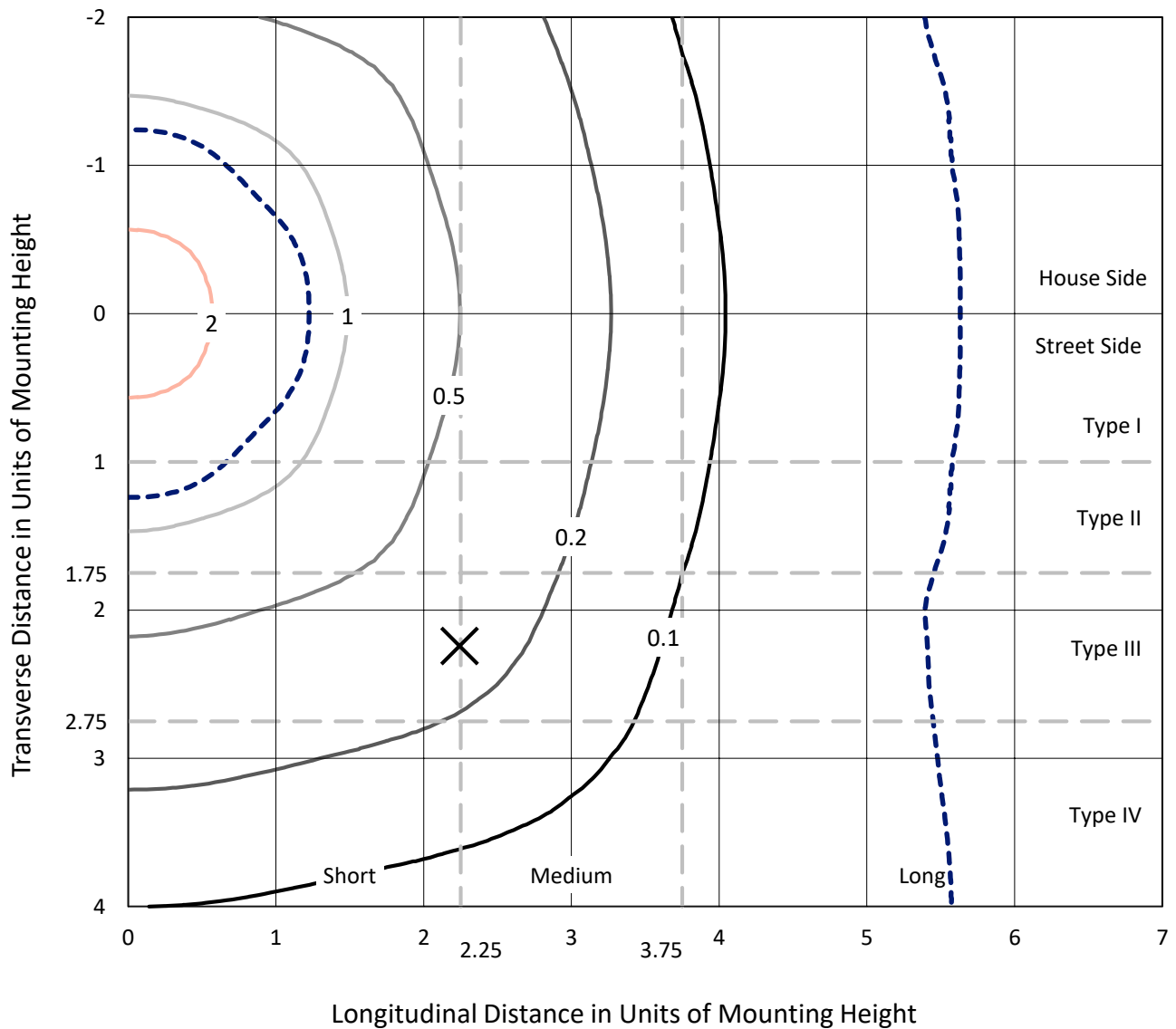
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P157690

CATALOG NUMBER: VTS-E06-LED-E1-5XQ

Iso-Footcandle Lines of Horizontal Illumination

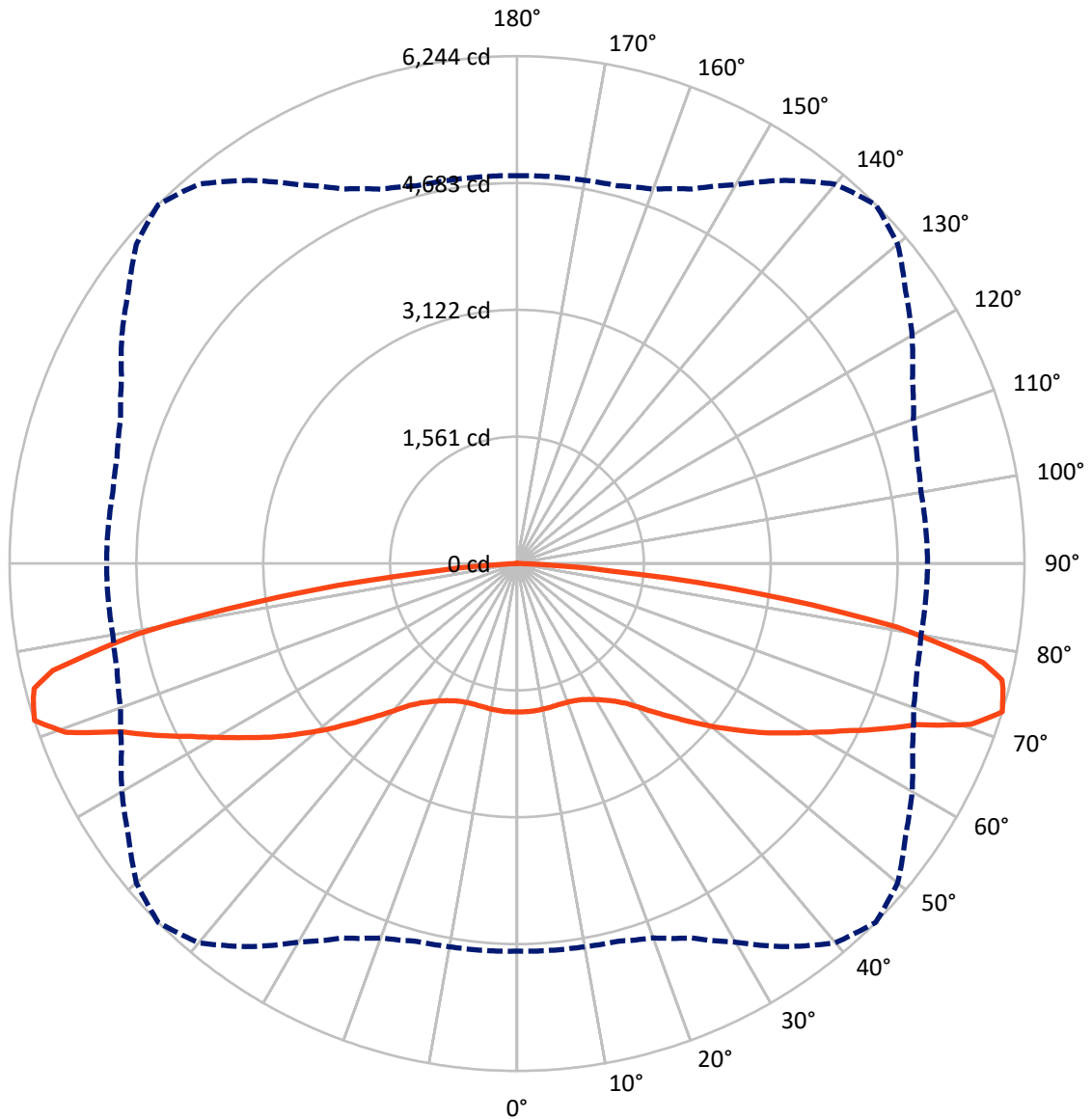
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P157690
CATALOG NUMBER: VTS-E06-LED-E1-5XQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P157690

CATALOG NUMBER: VTS-E06-LED-E1-5XQ

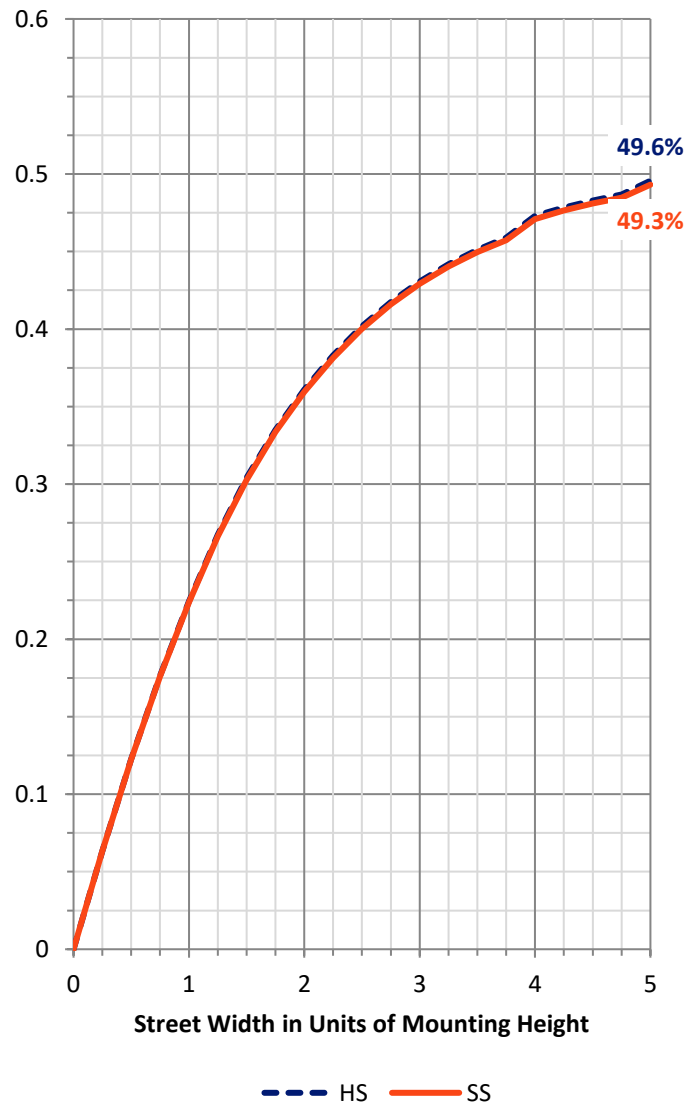
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9483.1	4.6	9487.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9483.1	4.6	9487.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	18966.2	9.3	18975.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.3	0.9
10°-20°	514.7	2.7
20°-30°	860.6	4.5
30°-40°	1308.1	6.9
40°-50°	2071.8	10.9
50°-60°	3169.2	16.7
60°-70°	4535.6	23.9
70°-80°	5189.8	27.3
80°-90°	1142.2	6.0
90°-100°	1.0	0.0
100°-110°	2.0	0.0
110°-120°	1.4	0.0
120°-130°	1.5	0.0
130°-140°	1.4	0.0
140°-150°	1.1	0.0
150°-160°	0.7	0.0
160°-170°	0.3	0.0
170°-180°	0.0	0.0
0°-90°	18966.2	100.0
0°-180°	18975.5	100.0



REPORT NUMBER: P157690

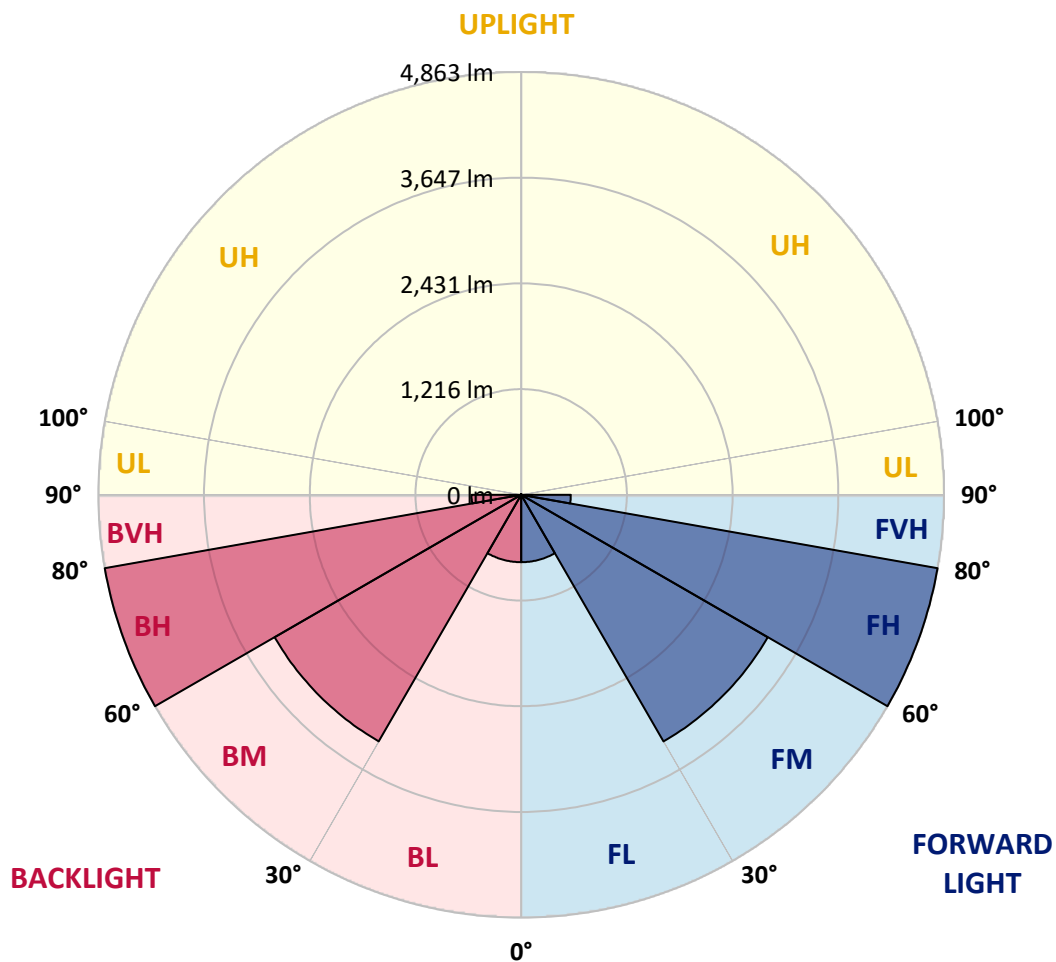
CATALOG NUMBER: VTS-E06-LED-E1-5XQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	774.8	4.1			
FM	(30°-60°)	3274.5	17.3			
FH	(60°-80°)	4862.7	25.6			G2/5000
FVH	(80°-90°)	571.1	3.0			G4/750
BL	(0°-30°)	774.8	4.1	B2/1000		
BM	(30°-60°)	3274.5	17.3	B3/5000		
BH	(60°-80°)	4862.7	25.6	B4/5000		G2/5000
BVH	(80°-90°)	571.1	3.0			G4/750
UL	(90°-100°)	1.0	0.0		U1/10	
UH	(100°-180°)	4.6	0.0		U1/10	

BUG Rating: B4-U1-G4

Type V Short





REPORT NUMBER: P157690

CATALOG NUMBER: VTS-E06-LED-E1-5XQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1826.4	1826.4	1826.4	1826.4	1826.4	1826.4	1826.4	1826.4	1826.4	1826.4	1826.4
2.5°	1827.6	1825.2	1826.4	1828.8	1827.6	1827.6	1826.4	1826.4	1828.8	1826.4	1827.6
5°	1828.8	1826.4	1827.6	1828.8	1827.6	1828.8	1827.6	1827.6	1827.6	1826.4	1828.8
7.5°	1824.0	1824.0	1825.2	1825.2	1824.0	1825.2	1825.2	1825.2	1824.0	1824.0	1826.4
10°	1821.6	1820.4	1820.4	1821.6	1820.4	1820.4	1821.6	1821.6	1819.2	1819.2	1821.6
12.5°	1818.0	1816.8	1816.8	1816.8	1815.6	1815.6	1816.8	1816.8	1815.6	1814.4	1818.0
15°	1815.6	1814.4	1814.4	1814.4	1812.0	1813.2	1813.2	1813.2	1812.0	1810.8	1814.4
17.5°	1814.4	1813.2	1813.2	1813.2	1812.0	1812.0	1812.0	1812.0	1810.8	1810.8	1813.2
20°	1816.8	1816.8	1816.8	1816.8	1815.6	1815.6	1815.6	1816.8	1816.8	1816.8	1819.2
22.5°	1822.8	1822.8	1824.0	1825.2	1825.2	1827.6	1828.8	1830.0	1830.0	1831.2	1833.6
25°	1838.4	1838.4	1839.6	1840.8	1844.4	1846.8	1851.6	1854.0	1855.2	1855.2	1856.4
27.5°	1867.2	1868.4	1870.8	1873.2	1878.0	1881.6	1886.4	1891.2	1892.4	1893.6	1894.8
30°	1903.2	1904.4	1909.2	1911.6	1917.6	1924.8	1930.8	1935.6	1939.2	1941.6	1940.4
32.5°	1954.8	1957.2	1963.2	1966.8	1975.2	1982.4	1990.8	1998.0	2001.6	2005.2	2004.0
35°	2026.8	2032.8	2038.8	2042.4	2050.8	2056.8	2067.6	2074.8	2082.0	2079.6	2080.8
37.5°	2133.6	2138.4	2139.6	2142.0	2150.4	2155.2	2167.2	2176.8	2180.4	2182.8	2184.0
40°	2277.6	2277.6	2283.6	2278.8	2289.6	2290.8	2305.2	2318.4	2322.0	2331.6	2324.4
42.5°	2445.6	2444.4	2448.0	2444.4	2444.4	2456.4	2468.4	2492.4	2494.8	2506.8	2499.6
45°	2628.0	2628.0	2624.4	2625.6	2628.0	2641.2	2655.6	2682.0	2694.0	2701.2	2696.4
47.5°	2826.0	2821.2	2820.0	2818.8	2826.0	2840.4	2862.0	2887.2	2917.2	2919.6	2917.2
50°	3026.4	3025.2	3016.8	3024.0	3028.8	3036.0	3076.8	3110.4	3141.6	3160.8	3154.8
52.5°	3237.6	3226.8	3226.8	3226.8	3238.8	3261.6	3297.6	3343.2	3385.2	3405.6	3402.0
55°	3451.2	3447.6	3436.8	3432.0	3447.6	3480.0	3531.6	3586.8	3642.0	3673.2	3661.2
57.5°	3646.8	3640.8	3642.0	3643.2	3661.2	3704.4	3764.4	3837.6	3897.6	3931.2	3922.8
60°	3800.4	3793.2	3806.4	3810.0	3842.4	3914.4	4010.4	4102.8	4182.0	4215.6	4202.4
62.5°	3974.4	3969.6	3978.0	3976.8	4011.6	4092.0	4220.4	4368.0	4488.0	4531.2	4512.0
65°	4255.2	4240.8	4237.2	4224.0	4246.8	4309.2	4437.6	4609.2	4801.2	4911.6	4885.2
67.5°	4591.2	4587.6	4575.6	4568.4	4576.8	4654.8	4778.4	4944.0	5139.6	5292.0	5325.6
70°	4813.2	4818.0	4830.0	4848.0	4917.6	5068.8	5294.4	5545.2	5814.0	5928.0	5907.6
72.5°	4771.2	4778.4	4788.0	4810.8	4902.0	5083.2	5380.8	5755.2	6092.4	6243.6	6114.0
75°	4566.0	4572.0	4593.6	4628.4	4740.0	4959.6	5280.0	5677.2	6025.2	6176.4	6040.8
76°	4376.4	4395.6	4435.2	4476.0	4610.4	4849.2	5191.2	5614.8	5983.2	6136.8	6006.0
77.5°	3946.8	3963.6	3996.0	4066.8	4219.2	4525.2	4924.8	5341.2	5725.2	5863.2	5752.8
80°	2970.0	2984.4	3014.4	3099.6	3231.6	3421.2	3730.8	4137.6	4558.8	4740.0	4668.0
82.5°	1254.0	1270.8	1389.6	1513.2	1658.4	1863.6	2065.2	2425.2	2734.8	2941.2	2830.8
85°	138.0	170.4	210.0	285.6	350.4	466.8	580.8	799.2	1010.4	1138.8	1006.8
87.5°	24.0	27.6	39.6	50.4	56.4	64.8	78.0	109.2	148.8	128.4	130.8
90°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	2.4	2.4	2.4	2.4
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
95°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
97.5°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
100°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
102.5°	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4	2.4
105°	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
107.5°	1.2	1.2	1.2	1.2	2.4	2.4	1.2	1.2	1.2	2.4	1.2



REPORT NUMBER: P157690

CATALOG NUMBER: VTS-E06-LED-E1-5XQ

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
110°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
112.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
115°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
117.5°	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
120°	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
122.5°	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2
125°	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2
127.5°	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2
130°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2
132.5°	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2
135°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2
137.5°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2
140°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2
142.5°	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2
145°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	0.0	1.2
147.5°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2
150°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	0.0	0.0	0.0
152.5°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	0.0	0.0
155°	2.4	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	0.0	1.2
157.5°	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0
160°	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0
162.5°	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0
165°	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P157690

CATALOG NUMBER: VTS-E06-LED-E1-5XQ

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1826.4	1826.4	1826.4	1826.4	1826.4	1826.4	1826.4	1826.4
2.5°	1826.4	1826.4	1828.8	1827.6	1827.6	1828.8	1831.2	1830.0
5°	1827.6	1828.8	1826.4	1827.6	1828.8	1828.8	1830.0	1828.8
7.5°	1825.2	1825.2	1825.2	1826.4	1827.6	1826.4	1827.6	1827.6
10°	1820.4	1821.6	1820.4	1822.8	1824.0	1824.0	1825.2	1825.2
12.5°	1816.8	1816.8	1816.8	1819.2	1820.4	1820.4	1821.6	1820.4
15°	1813.2	1813.2	1812.0	1814.4	1816.8	1816.8	1818.0	1818.0
17.5°	1812.0	1812.0	1810.8	1813.2	1815.6	1815.6	1816.8	1816.8
20°	1815.6	1816.8	1814.4	1816.8	1819.2	1820.4	1820.4	1820.4
22.5°	1830.0	1828.8	1825.2	1826.4	1827.6	1827.6	1827.6	1827.6
25°	1851.6	1849.2	1845.6	1844.4	1843.2	1842.0	1842.0	1842.0
27.5°	1888.8	1885.2	1879.2	1878.0	1876.8	1874.4	1874.4	1874.4
30°	1933.2	1928.4	1921.2	1918.8	1915.2	1912.8	1911.6	1910.4
32.5°	1996.8	1987.2	1978.8	1972.8	1969.2	1962.0	1960.8	1958.4
35°	2070.0	2062.8	2050.8	2047.2	2041.2	2037.6	2036.4	2030.4
37.5°	2170.8	2162.4	2151.6	2149.2	2148.0	2144.4	2144.4	2143.2
40°	2311.2	2302.8	2293.2	2283.6	2286.0	2287.2	2287.2	2282.4
42.5°	2482.8	2469.6	2450.4	2456.4	2452.8	2448.0	2457.6	2451.6
45°	2678.4	2660.4	2646.0	2640.0	2640.0	2634.0	2643.6	2643.6
47.5°	2895.6	2866.8	2840.4	2841.6	2832.0	2834.4	2840.4	2848.8
50°	3124.8	3086.4	3061.2	3049.2	3039.6	3043.2	3054.0	3056.4
52.5°	3362.4	3315.6	3282.0	3264.0	3252.0	3256.8	3265.2	3272.4
55°	3609.6	3558.0	3507.6	3488.4	3474.0	3483.6	3484.8	3494.4
57.5°	3867.6	3796.8	3738.0	3709.2	3694.8	3704.4	3711.6	3721.2
60°	4128.0	4046.4	3976.8	3943.2	3922.8	3936.0	3952.8	3957.6
62.5°	4430.4	4317.6	4239.6	4191.6	4182.0	4195.2	4200.0	4214.4
65°	4788.0	4652.4	4544.4	4485.6	4483.2	4490.4	4501.2	4504.8
67.5°	5196.0	5044.8	4899.6	4840.8	4818.0	4839.6	4850.4	4864.8
70°	5772.0	5564.4	5354.4	5223.6	5168.4	5151.6	5156.4	5172.0
72.5°	5836.8	5613.6	5368.8	5191.2	5094.0	5049.6	5048.4	5050.8
75°	5695.2	5338.8	5166.0	4962.0	4824.0	4752.0	4742.4	4741.2
76°	5624.4	5203.2	4953.6	4791.6	4626.0	4552.8	4542.0	4536.0
77.5°	5325.6	4873.2	4497.6	4399.2	4240.8	4148.4	4167.6	4152.0
80°	4269.6	3820.8	3466.8	3189.6	3198.0	3130.8	3103.2	3094.8
82.5°	2516.4	2148.0	1756.8	1527.6	1309.2	1251.6	1077.6	1038.0
85°	804.0	570.0	345.6	250.8	170.4	142.8	111.6	102.0
87.5°	106.8	84.0	68.4	66.0	60.0	51.6	33.6	24.0
90°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
97.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
100°	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2
102.5°	2.4	2.4	2.4	2.4	1.2	1.2	1.2	1.2
105°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
107.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4



REPORT NUMBER: P157690

CATALOG NUMBER: VTS-E06-LED-E1-5XQ

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
110°	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
112.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
115°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
117.5°	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
120°	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
122.5°	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4
125°	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4
127.5°	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4
130°	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4
132.5°	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4
135°	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4
137.5°	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4
140°	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4
142.5°	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4
145°	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4
147.5°	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4
150°	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4
152.5°	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4
155°	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4
157.5°	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4
160°	1.2	1.2	1.2	1.2	2.4	2.4	2.4	2.4
162.5°	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4
165°	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)