

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: P157702

Luminaire Tested: **VTS-E07-LED-E1-5XQ-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157702
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-E07-LED-E1-5XQ-7060
Description: VENTUS LED SITE LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (147) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

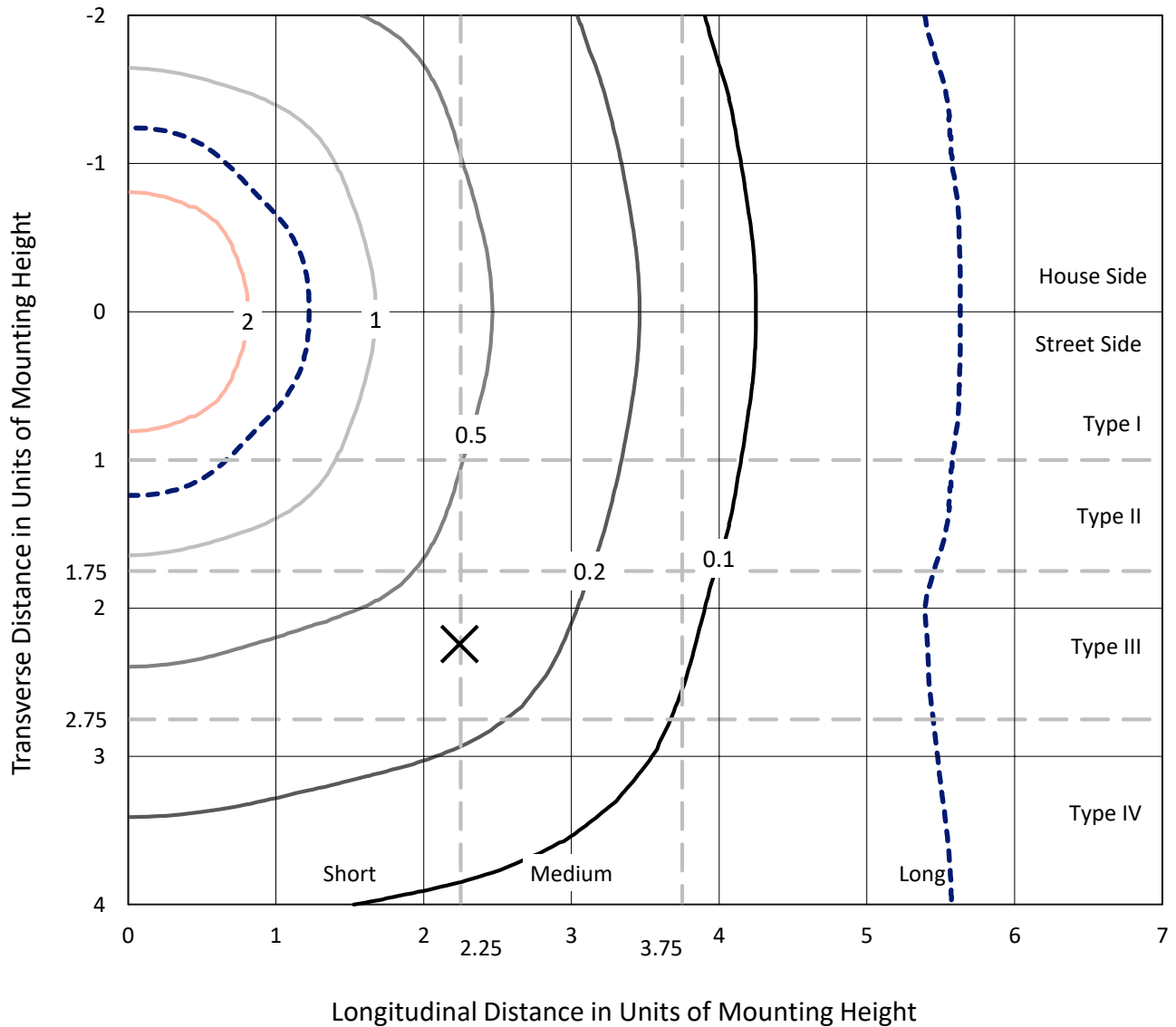
Lumens per Lamp: N/A
Luminaire Lumens: 22715.9 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B5 - U1 - G4

Input Watts (W): 172.5
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

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Iso-Footcandle Lines of Horizontal Illumination

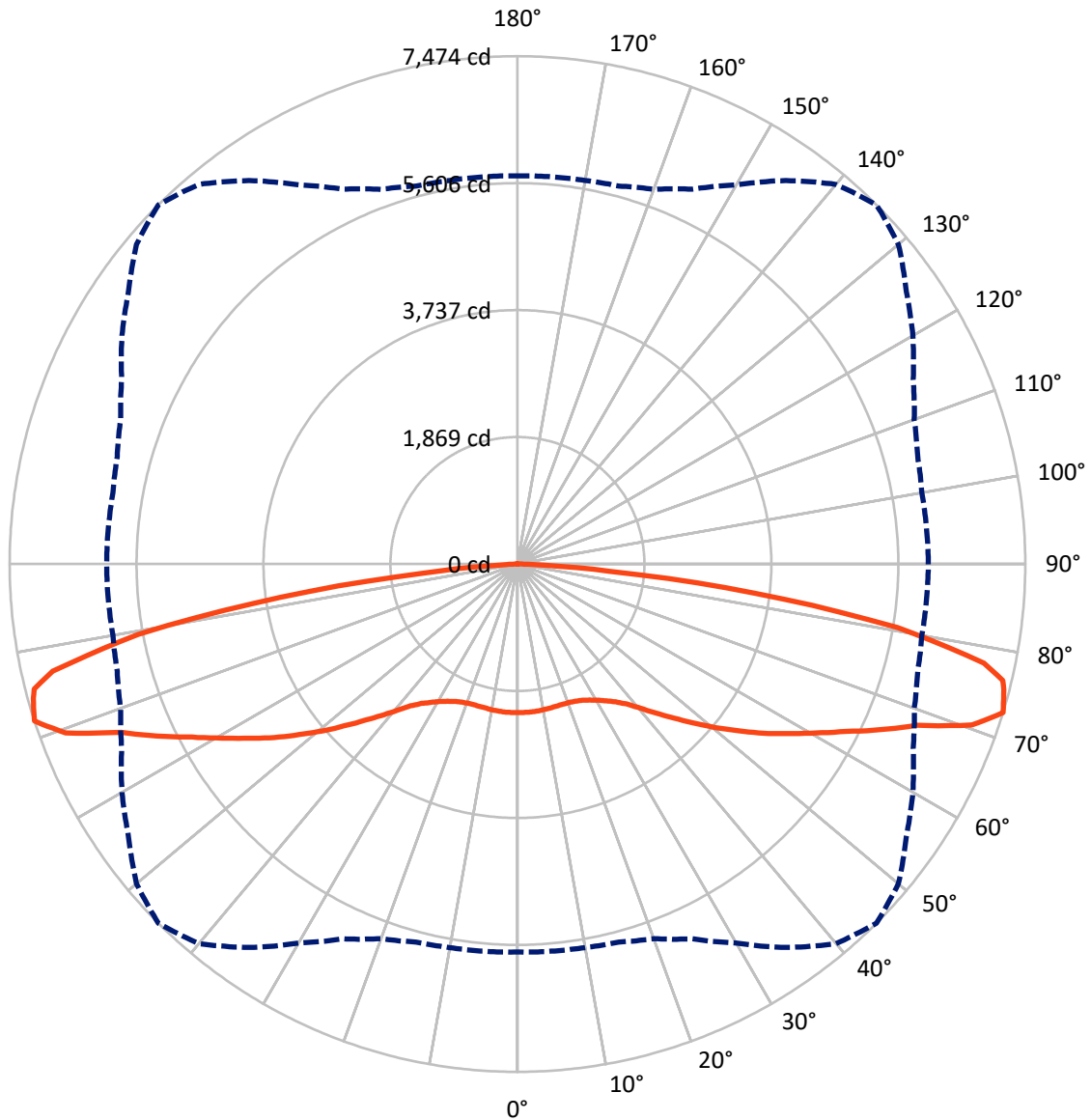
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - Non-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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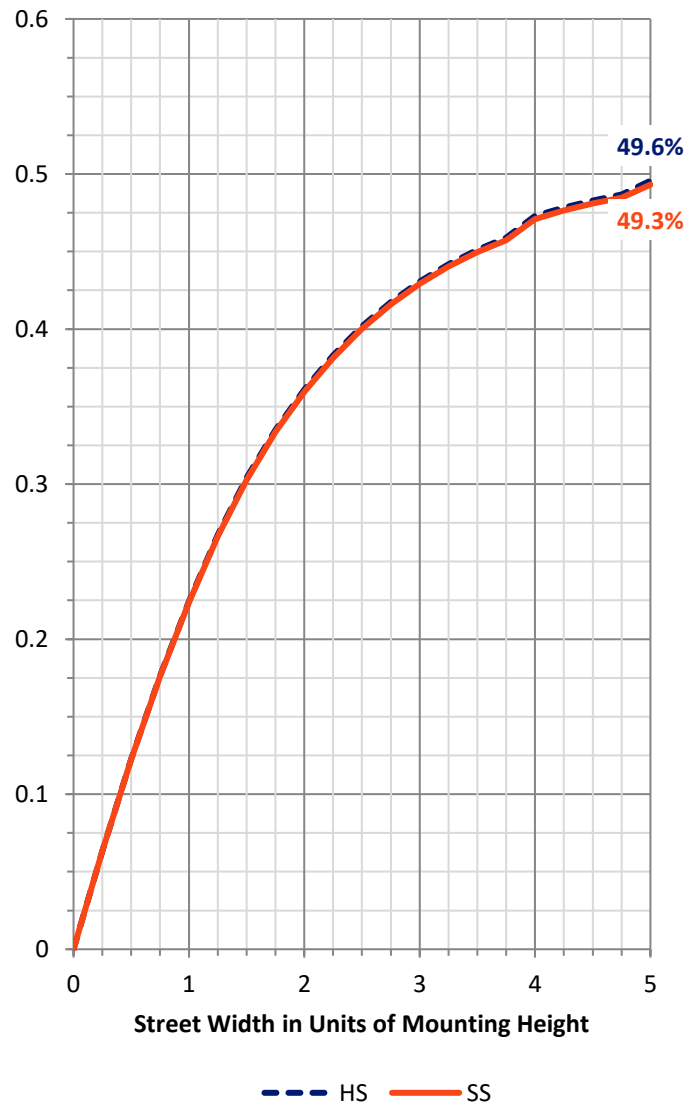
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 11352.5 | 5.5 | 11358.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 11352.5 | 5.5 | 11358.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 22704.9 | 11.0 | 22715.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 208.6 | 0.9 |
| 10°-20° | 616.1 | 2.7 |
| 20°-30° | 1030.3 | 4.5 |
| 30°-40° | 1566.0 | 6.9 |
| 40°-50° | 2480.2 | 10.9 |
| 50°-60° | 3793.9 | 16.7 |
| 60°-70° | 5429.7 | 23.9 |
| 70°-80° | 6212.8 | 27.3 |
| 80°-90° | 1367.4 | 6.0 |
| 90°-100° | 1.1 | 0.0 |
| 100°-110° | 2.3 | 0.0 |
| 110°-120° | 1.6 | 0.0 |
| 120°-130° | 1.8 | 0.0 |
| 130°-140° | 1.6 | 0.0 |
| 140°-150° | 1.3 | 0.0 |
| 150°-160° | 0.9 | 0.0 |
| 160°-170° | 0.4 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 22704.9 | 100.0 |
| 0°-180° | 22715.9 | 100.0 |



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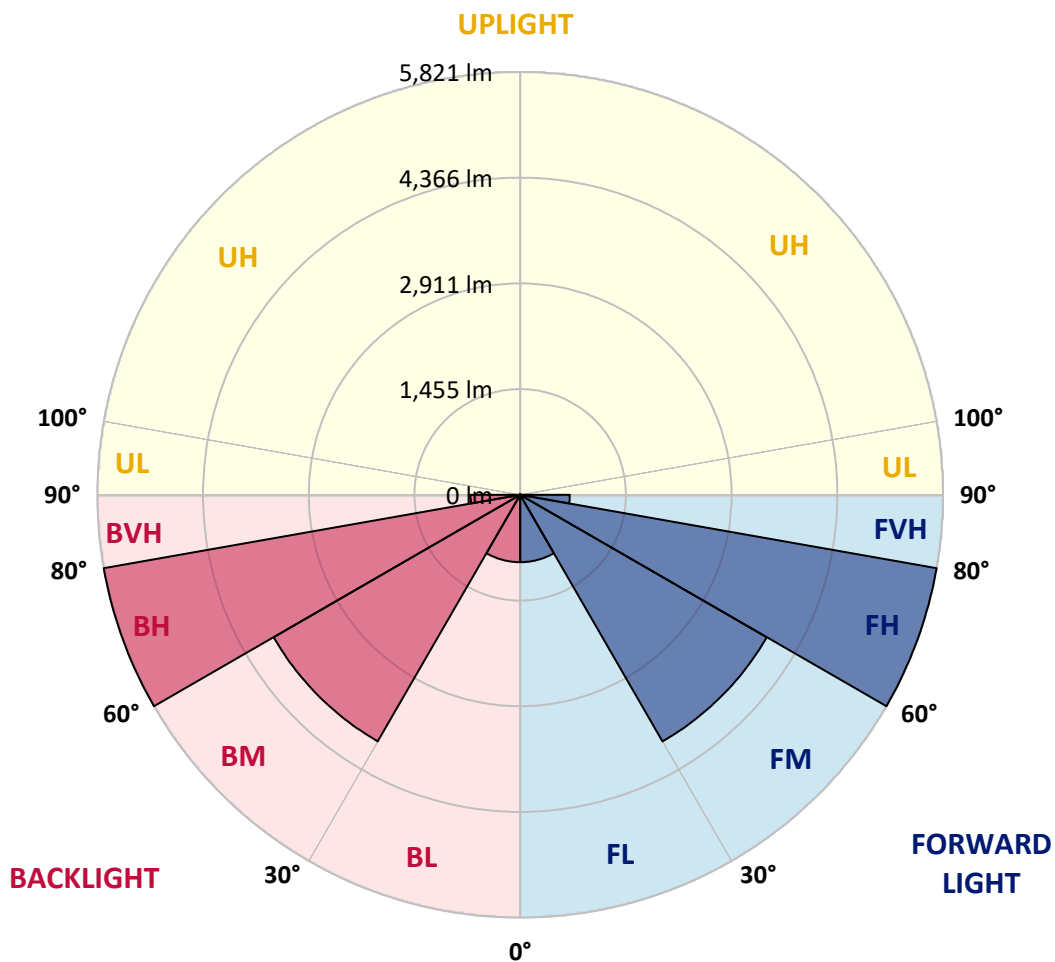
CATALOG NUMBER: VTS-E07-LED-E1-5XQ-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|-------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 927.5 | 4.1 | | | |
| FM | (30°-60°) | 3920.0 | 17.3 | | | |
| FH | (60°-80°) | 5821.2 | 25.6 | | | G3/7500 |
| FVH | (80°-90°) | 683.7 | 3.0 | | | G4/750 |
| BL | (0°-30°) | 927.5 | 4.1 | B2/1000 | | |
| BM | (30°-60°) | 3920.0 | 17.3 | B3/5000 | | |
| BH | (60°-80°) | 5821.2 | 25.6 | B5 | | G3/7500 |
| BVH | (80°-90°) | 683.7 | 3.0 | | | G4/750 |
| UL | (90°-100°) | 1.1 | 0.0 | | U1/10 | |
| UH | (100°-180°) | 5.5 | 0.0 | | U1/10 | |

BUG Rating: B5-U1-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2186.4 | 2186.4 | 2186.4 | 2186.4 | 2186.4 | 2186.4 | 2186.4 | 2186.4 | 2186.4 | 2186.4 | 2186.4 |
| 2.5° | 2187.9 | 2185.0 | 2186.4 | 2189.3 | 2187.9 | 2187.9 | 2186.4 | 2186.4 | 2189.3 | 2186.4 | 2187.9 |
| 5° | 2189.3 | 2186.4 | 2187.9 | 2189.3 | 2187.9 | 2189.3 | 2187.9 | 2187.9 | 2187.9 | 2186.4 | 2189.3 |
| 7.5° | 2183.6 | 2183.6 | 2185.0 | 2185.0 | 2183.6 | 2185.0 | 2185.0 | 2185.0 | 2183.6 | 2183.6 | 2186.4 |
| 10° | 2180.7 | 2179.2 | 2179.2 | 2180.7 | 2179.2 | 2179.2 | 2180.7 | 2180.7 | 2177.8 | 2177.8 | 2180.7 |
| 12.5° | 2176.4 | 2174.9 | 2174.9 | 2174.9 | 2173.5 | 2173.5 | 2174.9 | 2174.9 | 2173.5 | 2172.1 | 2176.4 |
| 15° | 2173.5 | 2172.1 | 2172.1 | 2172.1 | 2169.2 | 2170.6 | 2170.6 | 2170.6 | 2169.2 | 2167.8 | 2172.1 |
| 17.5° | 2172.1 | 2170.6 | 2170.6 | 2170.6 | 2169.2 | 2169.2 | 2169.2 | 2169.2 | 2167.8 | 2167.8 | 2170.6 |
| 20° | 2174.9 | 2174.9 | 2174.9 | 2174.9 | 2173.5 | 2173.5 | 2173.5 | 2174.9 | 2174.9 | 2174.9 | 2177.8 |
| 22.5° | 2182.1 | 2182.1 | 2183.6 | 2185.0 | 2185.0 | 2187.9 | 2189.3 | 2190.7 | 2190.7 | 2192.2 | 2195.0 |
| 25° | 2200.8 | 2200.8 | 2202.2 | 2203.7 | 2208.0 | 2210.8 | 2216.6 | 2219.5 | 2220.9 | 2220.9 | 2222.3 |
| 27.5° | 2235.3 | 2236.7 | 2239.6 | 2242.5 | 2248.2 | 2252.5 | 2258.3 | 2264.0 | 2265.4 | 2266.9 | 2268.3 |
| 30° | 2278.4 | 2279.8 | 2285.5 | 2288.4 | 2295.6 | 2304.2 | 2311.4 | 2317.2 | 2321.5 | 2324.3 | 2322.9 |
| 32.5° | 2340.1 | 2343.0 | 2350.2 | 2354.5 | 2364.6 | 2373.2 | 2383.2 | 2391.9 | 2396.2 | 2400.5 | 2399.0 |
| 35° | 2426.3 | 2433.5 | 2440.7 | 2445.0 | 2455.1 | 2462.2 | 2475.2 | 2483.8 | 2492.4 | 2489.5 | 2491.0 |
| 37.5° | 2554.2 | 2559.9 | 2561.4 | 2564.2 | 2574.3 | 2580.0 | 2594.4 | 2605.9 | 2610.2 | 2613.1 | 2614.5 |
| 40° | 2726.6 | 2726.6 | 2733.8 | 2728.0 | 2740.9 | 2742.4 | 2759.6 | 2775.4 | 2779.7 | 2791.2 | 2782.6 |
| 42.5° | 2927.7 | 2926.2 | 2930.6 | 2926.2 | 2926.2 | 2940.6 | 2955.0 | 2983.7 | 2986.6 | 3000.9 | 2992.3 |
| 45° | 3146.0 | 3146.0 | 3141.7 | 3143.2 | 3146.0 | 3161.8 | 3179.1 | 3210.7 | 3225.0 | 3233.7 | 3227.9 |
| 47.5° | 3383.1 | 3377.3 | 3375.9 | 3374.5 | 3383.1 | 3400.3 | 3426.2 | 3456.3 | 3492.2 | 3495.1 | 3492.2 |
| 50° | 3623.0 | 3621.5 | 3611.5 | 3620.1 | 3625.8 | 3634.5 | 3683.3 | 3723.5 | 3760.9 | 3783.9 | 3776.7 |
| 52.5° | 3875.8 | 3862.9 | 3862.9 | 3862.9 | 3877.2 | 3904.5 | 3947.6 | 4002.2 | 4052.5 | 4076.9 | 4072.6 |
| 55° | 4131.5 | 4127.2 | 4114.3 | 4108.5 | 4127.2 | 4166.0 | 4227.8 | 4293.8 | 4359.9 | 4397.3 | 4382.9 |
| 57.5° | 4365.7 | 4358.5 | 4359.9 | 4361.4 | 4382.9 | 4434.6 | 4506.4 | 4594.1 | 4665.9 | 4706.1 | 4696.1 |
| 60° | 4549.5 | 4540.9 | 4556.7 | 4561.0 | 4599.8 | 4686.0 | 4800.9 | 4911.6 | 5006.4 | 5046.6 | 5030.8 |
| 62.5° | 4757.8 | 4752.1 | 4762.2 | 4760.7 | 4802.4 | 4898.6 | 5052.3 | 5229.0 | 5372.7 | 5424.4 | 5401.4 |
| 65° | 5094.0 | 5076.8 | 5072.4 | 5056.6 | 5083.9 | 5158.6 | 5312.4 | 5517.8 | 5747.6 | 5879.8 | 5848.2 |
| 67.5° | 5496.2 | 5491.9 | 5477.6 | 5468.9 | 5479.0 | 5572.4 | 5720.3 | 5918.6 | 6152.7 | 6335.2 | 6375.4 |
| 70° | 5762.0 | 5767.7 | 5782.1 | 5803.7 | 5887.0 | 6068.0 | 6338.0 | 6638.3 | 6960.1 | 7096.5 | 7072.1 |
| 72.5° | 5711.7 | 5720.3 | 5731.8 | 5759.1 | 5868.3 | 6085.2 | 6441.5 | 6889.7 | 7293.4 | 7474.4 | 7319.2 |
| 75° | 5466.1 | 5473.2 | 5499.1 | 5540.8 | 5674.4 | 5937.3 | 6320.8 | 6796.3 | 7212.9 | 7393.9 | 7231.6 |
| 76° | 5239.1 | 5262.1 | 5309.5 | 5358.3 | 5519.2 | 5805.1 | 6214.5 | 6721.6 | 7162.6 | 7346.5 | 7189.9 |
| 77.5° | 4724.8 | 4744.9 | 4783.7 | 4868.5 | 5050.9 | 5417.2 | 5895.6 | 6394.1 | 6853.8 | 7019.0 | 6886.8 |
| 80° | 3555.5 | 3572.7 | 3608.6 | 3710.6 | 3868.6 | 4095.6 | 4466.2 | 4953.2 | 5457.4 | 5674.4 | 5588.2 |
| 82.5° | 1501.2 | 1521.3 | 1663.5 | 1811.5 | 1985.3 | 2231.0 | 2472.3 | 2903.3 | 3273.9 | 3521.0 | 3388.8 |
| 85° | 165.2 | 204.0 | 251.4 | 341.9 | 419.5 | 558.8 | 695.3 | 956.7 | 1209.6 | 1363.3 | 1205.3 |
| 87.5° | 28.7 | 33.0 | 47.4 | 60.3 | 67.5 | 77.6 | 93.4 | 130.7 | 178.1 | 153.7 | 156.6 |
| 90° | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 2.9 | 2.9 | 2.9 | 2.9 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 97.5° | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 100° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 |
| 102.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 105° | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 107.5° | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 2.9 | 1.4 |



REPORT NUMBER: P157702

CATALOG NUMBER: VTS-E07-LED-E1-5XQ-7060

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 112.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 115° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 117.5° | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 120° | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 122.5° | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 125° | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 127.5° | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 130° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 132.5° | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 135° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 137.5° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 140° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 142.5° | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 145° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 1.4 |
| 147.5° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 150° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 |
| 152.5° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 0.0 |
| 155° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 1.4 |
| 157.5° | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 |
| 160° | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 |
| 162.5° | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 |
| 165° | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 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: P157702

CATALOG NUMBER: VTS-E07-LED-E1-5XQ-7060

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2186.4 | 2186.4 | 2186.4 | 2186.4 | 2186.4 | 2186.4 | 2186.4 | 2186.4 |
| 2.5° | 2186.4 | 2186.4 | 2189.3 | 2187.9 | 2187.9 | 2189.3 | 2192.2 | 2190.7 |
| 5° | 2187.9 | 2189.3 | 2186.4 | 2187.9 | 2189.3 | 2189.3 | 2190.7 | 2189.3 |
| 7.5° | 2185.0 | 2185.0 | 2185.0 | 2186.4 | 2187.9 | 2186.4 | 2187.9 | 2187.9 |
| 10° | 2179.2 | 2180.7 | 2179.2 | 2182.1 | 2183.6 | 2183.6 | 2185.0 | 2185.0 |
| 12.5° | 2174.9 | 2174.9 | 2174.9 | 2177.8 | 2179.2 | 2179.2 | 2180.7 | 2179.2 |
| 15° | 2170.6 | 2170.6 | 2169.2 | 2172.1 | 2174.9 | 2174.9 | 2176.4 | 2176.4 |
| 17.5° | 2169.2 | 2169.2 | 2167.8 | 2170.6 | 2173.5 | 2173.5 | 2174.9 | 2174.9 |
| 20° | 2173.5 | 2174.9 | 2172.1 | 2174.9 | 2177.8 | 2179.2 | 2179.2 | 2179.2 |
| 22.5° | 2190.7 | 2189.3 | 2185.0 | 2186.4 | 2187.9 | 2187.9 | 2187.9 | 2187.9 |
| 25° | 2216.6 | 2213.7 | 2209.4 | 2208.0 | 2206.5 | 2205.1 | 2205.1 | 2205.1 |
| 27.5° | 2261.1 | 2256.8 | 2249.6 | 2248.2 | 2246.8 | 2243.9 | 2243.9 | 2243.9 |
| 30° | 2314.3 | 2308.5 | 2299.9 | 2297.0 | 2292.7 | 2289.9 | 2288.4 | 2287.0 |
| 32.5° | 2390.4 | 2378.9 | 2368.9 | 2361.7 | 2357.4 | 2348.8 | 2347.3 | 2344.4 |
| 35° | 2478.0 | 2469.4 | 2455.1 | 2450.8 | 2443.6 | 2439.3 | 2437.8 | 2430.6 |
| 37.5° | 2598.7 | 2588.7 | 2575.7 | 2572.9 | 2571.4 | 2567.1 | 2567.1 | 2565.7 |
| 40° | 2766.8 | 2756.7 | 2745.2 | 2733.8 | 2736.6 | 2738.1 | 2738.1 | 2732.3 |
| 42.5° | 2972.2 | 2956.4 | 2933.4 | 2940.6 | 2936.3 | 2930.6 | 2942.0 | 2934.9 |
| 45° | 3206.4 | 3184.8 | 3167.6 | 3160.4 | 3160.4 | 3153.2 | 3164.7 | 3164.7 |
| 47.5° | 3466.4 | 3431.9 | 3400.3 | 3401.7 | 3390.3 | 3393.1 | 3400.3 | 3410.4 |
| 50° | 3740.8 | 3694.8 | 3664.6 | 3650.3 | 3638.8 | 3643.1 | 3656.0 | 3658.9 |
| 52.5° | 4025.2 | 3969.2 | 3929.0 | 3907.4 | 3893.0 | 3898.8 | 3908.8 | 3917.5 |
| 55° | 4321.1 | 4259.4 | 4199.0 | 4176.0 | 4158.8 | 4170.3 | 4171.7 | 4183.2 |
| 57.5° | 4630.0 | 4545.2 | 4474.8 | 4440.4 | 4423.1 | 4434.6 | 4443.2 | 4454.7 |
| 60° | 4941.7 | 4844.0 | 4760.7 | 4720.5 | 4696.1 | 4711.9 | 4732.0 | 4737.7 |
| 62.5° | 5303.7 | 5168.7 | 5075.3 | 5017.9 | 5006.4 | 5022.2 | 5027.9 | 5045.2 |
| 65° | 5731.8 | 5569.5 | 5440.2 | 5369.8 | 5366.9 | 5375.6 | 5388.5 | 5392.8 |
| 67.5° | 6220.3 | 6039.2 | 5865.4 | 5795.0 | 5767.7 | 5793.6 | 5806.5 | 5823.8 |
| 70° | 6909.8 | 6661.3 | 6409.9 | 6253.3 | 6187.2 | 6167.1 | 6172.8 | 6191.5 |
| 72.5° | 6987.4 | 6720.2 | 6427.1 | 6214.5 | 6098.1 | 6045.0 | 6043.6 | 6046.4 |
| 75° | 6817.9 | 6391.2 | 6184.3 | 5940.1 | 5774.9 | 5688.7 | 5677.2 | 5675.8 |
| 76° | 6733.1 | 6228.9 | 5930.1 | 5736.1 | 5537.9 | 5450.3 | 5437.3 | 5430.2 |
| 77.5° | 6375.4 | 5833.8 | 5384.2 | 5266.4 | 5076.8 | 4966.1 | 4989.1 | 4970.5 |
| 80° | 5111.2 | 4574.0 | 4150.2 | 3818.3 | 3828.4 | 3748.0 | 3714.9 | 3704.9 |
| 82.5° | 3012.4 | 2571.4 | 2103.1 | 1828.7 | 1567.3 | 1498.3 | 1290.0 | 1242.6 |
| 85° | 962.5 | 682.4 | 413.7 | 300.2 | 204.0 | 170.9 | 133.6 | 122.1 |
| 87.5° | 127.9 | 100.6 | 81.9 | 79.0 | 71.8 | 61.8 | 40.2 | 28.7 |
| 90° | 1.4 | 1.4 | 1.4 | 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° | 1.4 | 1.4 | 1.4 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 100° | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 102.5° | 2.9 | 2.9 | 2.9 | 2.9 | 1.4 | 1.4 | 1.4 | 1.4 |
| 105° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 107.5° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |



REPORT NUMBER: P157702

CATALOG NUMBER: VTS-E07-LED-E1-5XQ-7060

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 |
| 112.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 |
| 115° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 |
| 117.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 |
| 120° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 |
| 122.5° | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 |
| 125° | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 |
| 127.5° | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 |
| 130° | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 132.5° | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 135° | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 137.5° | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 140° | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 142.5° | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 145° | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 |
| 147.5° | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 150° | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 |
| 152.5° | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 |
| 155° | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 157.5° | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 |
| 160° | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 |
| 162.5° | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 165° | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 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)