

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: P157688

Luminaire Tested: **VTS-E06-LED-E1-5XQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157688
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-8030
Description: VENTUS LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

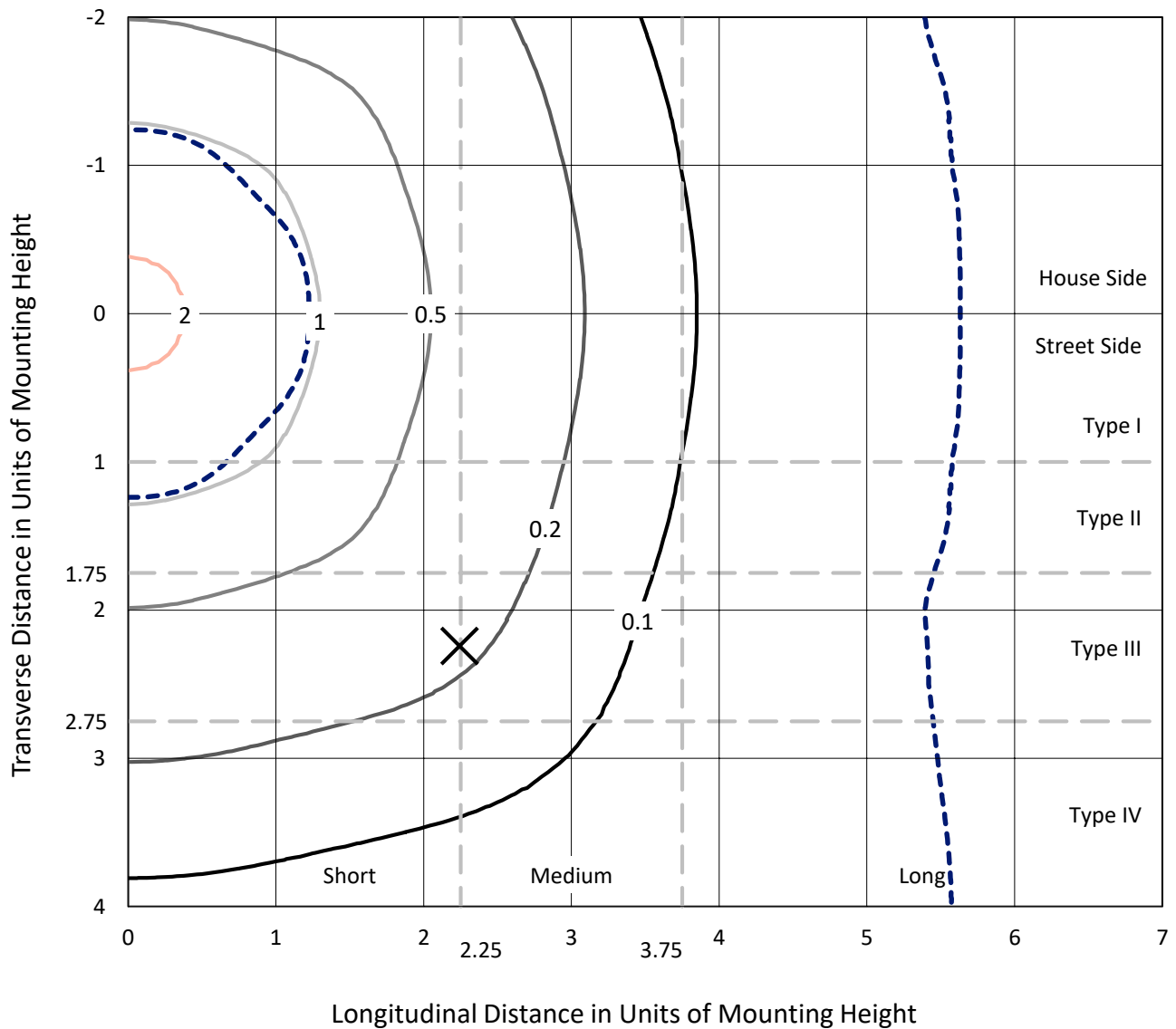
Lumens per Lamp: N/A
Luminaire Lumens: 16015 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U1 - G3

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

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Iso-Footcandle Lines of Horizontal Illumination

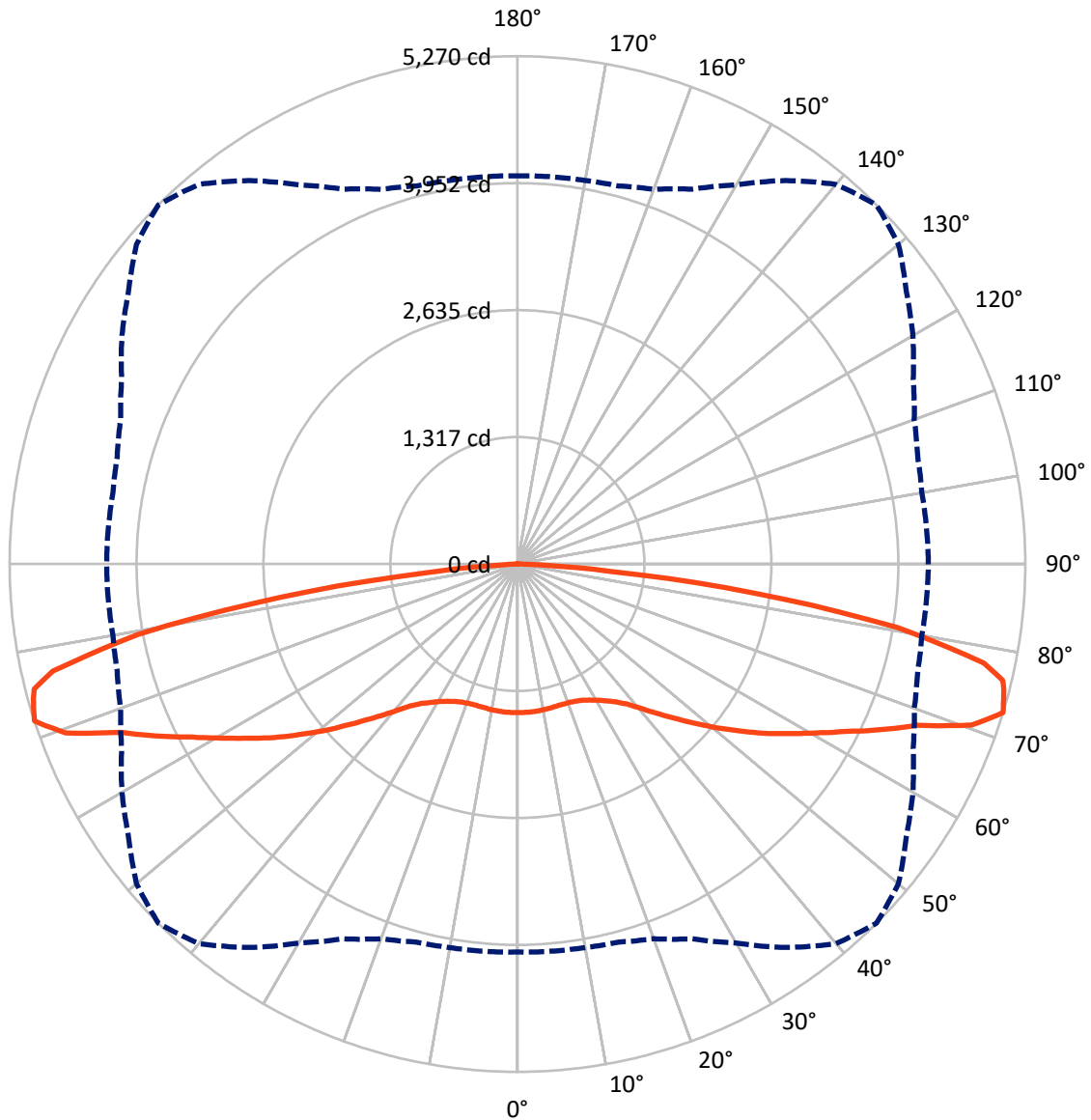
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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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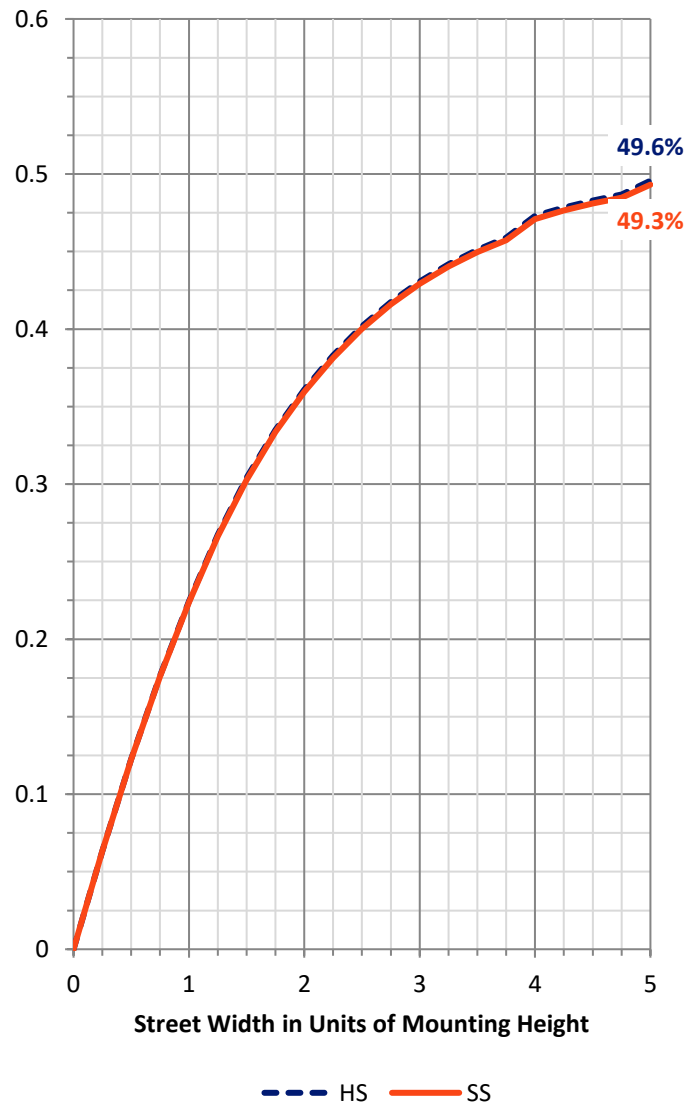
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8003.7	3.9	8007.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8003.7	3.9	8007.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16007.3	7.7	16015.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.1	0.9
10°-20°	434.4	2.7
20°-30°	726.4	4.5
30°-40°	1104.0	6.9
40°-50°	1748.6	10.9
50°-60°	2674.7	16.7
60°-70°	3828.0	23.9
70°-80°	4380.1	27.3
80°-90°	964.0	6.0
90°-100°	0.8	0.0
100°-110°	1.6	0.0
110°-120°	1.1	0.0
120°-130°	1.2	0.0
130°-140°	1.2	0.0
140°-150°	0.9	0.0
150°-160°	0.6	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	16007.3	100.0
0°-180°	16015.0	100.0



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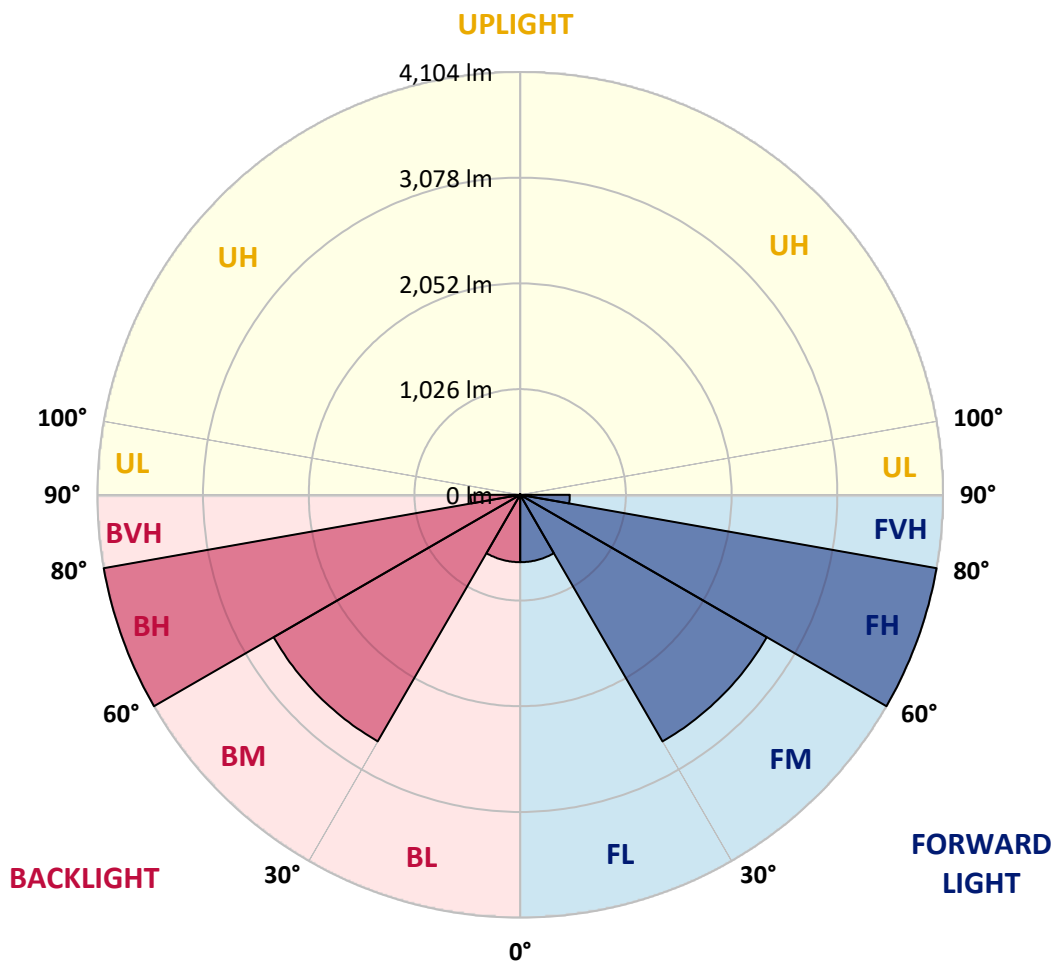
CATALOG NUMBER: VTS-E06-LED-E1-5XQ-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	653.9	4.1			
FM	(30°-60°)	2763.7	17.3			
FH	(60°-80°)	4104.1	25.6			G2/5000
FVH	(80°-90°)	482.0	3.0			G3/500
BL	(0°-30°)	653.9	4.1	B2/1000		
BM	(30°-60°)	2763.7	17.3	B3/5000		
BH	(60°-80°)	4104.1	25.6	B4/5000		G2/5000
BVH	(80°-90°)	482.0	3.0			G3/500
UL	(90°-100°)	0.8	0.0		U1/10	
UH	(100°-180°)	3.9	0.0		U1/10	

BUG Rating: B4-U1-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1541.5	1541.5	1541.5	1541.5	1541.5	1541.5	1541.5	1541.5	1541.5	1541.5	1541.5
2.5°	1542.5	1540.5	1541.5	1543.5	1542.5	1542.5	1541.5	1541.5	1543.5	1541.5	1542.5
5°	1543.5	1541.5	1542.5	1543.5	1542.5	1543.5	1542.5	1542.5	1542.5	1541.5	1543.5
7.5°	1539.4	1539.4	1540.5	1540.5	1539.4	1540.5	1540.5	1540.5	1539.4	1539.4	1541.5
10°	1537.4	1536.4	1536.4	1537.4	1536.4	1536.4	1537.4	1537.4	1535.4	1535.4	1537.4
12.5°	1534.4	1533.4	1533.4	1533.4	1532.3	1532.3	1533.4	1533.4	1532.3	1531.3	1534.4
15°	1532.3	1531.3	1531.3	1531.3	1529.3	1530.3	1530.3	1530.3	1529.3	1528.3	1531.3
17.5°	1531.3	1530.3	1530.3	1530.3	1529.3	1529.3	1529.3	1529.3	1528.3	1528.3	1530.3
20°	1533.4	1533.4	1533.4	1533.4	1532.3	1532.3	1532.3	1533.4	1533.4	1533.4	1535.4
22.5°	1538.4	1538.4	1539.4	1540.5	1540.5	1542.5	1543.5	1544.5	1544.5	1545.5	1547.5
25°	1551.6	1551.6	1552.6	1553.6	1556.7	1558.7	1562.7	1564.8	1565.8	1565.8	1566.8
27.5°	1575.9	1576.9	1578.9	1581.0	1585.0	1588.1	1592.1	1596.2	1597.2	1598.2	1599.2
30°	1606.3	1607.3	1611.3	1613.4	1618.4	1624.5	1629.6	1633.6	1636.7	1638.7	1637.7
32.5°	1649.8	1651.9	1656.9	1660.0	1667.1	1673.1	1680.2	1686.3	1689.3	1692.4	1691.4
35°	1710.6	1715.7	1720.7	1723.8	1730.9	1735.9	1745.0	1751.1	1757.2	1755.2	1756.2
37.5°	1800.7	1804.8	1805.8	1807.8	1814.9	1819.0	1829.1	1837.2	1840.2	1842.3	1843.3
40°	1922.3	1922.3	1927.3	1923.3	1932.4	1933.4	1945.6	1956.7	1959.7	1967.8	1961.8
42.5°	2064.1	2063.1	2066.1	2063.1	2063.1	2073.2	2083.3	2103.6	2105.6	2115.7	2109.6
45°	2218.0	2218.0	2215.0	2216.0	2218.0	2229.1	2241.3	2263.6	2273.7	2279.8	2275.7
47.5°	2385.1	2381.1	2380.1	2379.0	2385.1	2397.3	2415.5	2436.8	2462.1	2464.1	2462.1
50°	2554.3	2553.2	2546.2	2552.2	2556.3	2562.4	2596.8	2625.1	2651.5	2667.7	2662.6
52.5°	2732.5	2723.4	2723.4	2723.4	2733.5	2752.8	2783.1	2821.6	2857.1	2874.3	2871.3
55°	2912.8	2909.7	2900.6	2896.6	2909.7	2937.1	2980.6	3027.2	3073.8	3100.1	3090.0
57.5°	3077.9	3072.8	3073.8	3074.8	3090.0	3126.5	3177.1	3238.9	3289.5	3317.9	3310.8
60°	3207.5	3201.4	3212.6	3215.6	3243.0	3303.7	3384.7	3462.7	3529.6	3557.9	3546.8
62.5°	3354.4	3350.3	3357.4	3356.4	3385.8	3453.6	3562.0	3686.6	3787.8	3824.3	3808.1
65°	3591.4	3579.2	3576.2	3565.0	3584.3	3636.9	3745.3	3890.1	4052.2	4145.3	4123.1
67.5°	3874.9	3871.9	3861.8	3855.7	3862.8	3928.6	4032.9	4172.7	4337.8	4466.4	4494.8
70°	4062.3	4066.3	4076.5	4091.7	4150.4	4278.0	4468.4	4680.1	4907.0	5003.2	4986.0
72.5°	4026.8	4032.9	4041.0	4060.3	4137.2	4290.2	4541.3	4857.3	5141.9	5269.5	5160.2
75°	3853.7	3858.7	3877.0	3906.3	4000.5	4185.9	4456.3	4791.5	5085.2	5212.8	5098.4
76°	3693.6	3709.8	3743.3	3777.7	3891.1	4092.7	4381.3	4738.8	5049.8	5179.4	5069.0
77.5°	3331.1	3345.2	3372.6	3432.3	3561.0	3819.2	4156.5	4507.9	4832.0	4948.5	4855.3
80°	2506.7	2518.8	2544.1	2616.0	2727.4	2887.5	3148.8	3492.1	3847.6	4000.5	3939.7
82.5°	1058.4	1072.5	1172.8	1277.1	1399.7	1572.9	1743.0	2046.8	2308.1	2482.3	2389.2
85°	116.5	143.8	177.2	241.0	295.7	394.0	490.2	674.5	852.8	961.1	849.7
87.5°	20.3	23.3	33.4	42.5	47.6	54.7	65.8	92.2	125.6	108.4	110.4
90°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0	2.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
97.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
102.5°	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0
105°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
107.5°	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	2.0	1.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
110°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
112.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
115°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
117.5°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
120°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
122.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
125°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
127.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
130°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
132.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
135°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
137.5°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
140°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	1.0
147.5°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0
152.5°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0
155°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	1.0
157.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
160°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
162.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
165°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1541.5	1541.5	1541.5	1541.5	1541.5	1541.5	1541.5	1541.5
2.5°	1541.5	1541.5	1543.5	1542.5	1542.5	1543.5	1545.5	1544.5
5°	1542.5	1543.5	1541.5	1542.5	1543.5	1543.5	1544.5	1543.5
7.5°	1540.5	1540.5	1540.5	1541.5	1542.5	1541.5	1542.5	1542.5
10°	1536.4	1537.4	1536.4	1538.4	1539.4	1539.4	1540.5	1540.5
12.5°	1533.4	1533.4	1533.4	1535.4	1536.4	1536.4	1537.4	1536.4
15°	1530.3	1530.3	1529.3	1531.3	1533.4	1533.4	1534.4	1534.4
17.5°	1529.3	1529.3	1528.3	1530.3	1532.3	1532.3	1533.4	1533.4
20°	1532.3	1533.4	1531.3	1533.4	1535.4	1536.4	1536.4	1536.4
22.5°	1544.5	1543.5	1540.5	1541.5	1542.5	1542.5	1542.5	1542.5
25°	1562.7	1560.7	1557.7	1556.7	1555.6	1554.6	1554.6	1554.6
27.5°	1594.1	1591.1	1586.0	1585.0	1584.0	1582.0	1582.0	1582.0
30°	1631.6	1627.6	1621.5	1619.4	1616.4	1614.4	1613.4	1612.4
32.5°	1685.3	1677.2	1670.1	1665.0	1662.0	1655.9	1654.9	1652.9
35°	1747.1	1741.0	1730.9	1727.8	1722.8	1719.7	1718.7	1713.6
37.5°	1832.1	1825.0	1815.9	1813.9	1812.9	1809.9	1809.9	1808.8
40°	1950.6	1943.5	1935.4	1927.3	1929.4	1930.4	1930.4	1926.3
42.5°	2095.5	2084.3	2068.1	2073.2	2070.1	2066.1	2074.2	2069.1
45°	2260.5	2245.4	2233.2	2228.1	2228.1	2223.1	2231.2	2231.2
47.5°	2443.9	2419.6	2397.3	2398.3	2390.2	2392.2	2397.3	2404.4
50°	2637.3	2604.9	2583.6	2573.5	2565.4	2568.4	2577.5	2579.6
52.5°	2837.8	2798.3	2770.0	2754.8	2744.7	2748.7	2755.8	2761.9
55°	3046.5	3002.9	2960.4	2944.2	2932.0	2940.1	2941.1	2949.2
57.5°	3264.2	3204.5	3154.8	3130.5	3118.4	3126.5	3132.6	3140.7
60°	3484.0	3415.1	3356.4	3328.0	3310.8	3321.9	3336.1	3340.2
62.5°	3739.2	3644.0	3578.2	3537.7	3529.6	3540.7	3544.8	3556.9
65°	4041.0	3926.6	3835.4	3785.8	3783.8	3789.9	3799.0	3802.0
67.5°	4385.4	4257.8	4135.2	4085.6	4066.3	4084.6	4093.7	4105.8
70°	4871.5	4696.3	4519.1	4408.7	4362.1	4347.9	4352.0	4365.1
72.5°	4926.2	4737.8	4531.2	4381.3	4299.3	4261.8	4260.8	4262.8
75°	4806.7	4505.9	4360.1	4187.9	4071.4	4010.6	4002.5	4001.5
76°	4746.9	4391.5	4180.8	4044.1	3904.3	3842.5	3833.4	3828.3
77.5°	4494.8	4112.9	3795.9	3712.9	3579.2	3501.2	3517.4	3504.3
80°	3603.5	3224.7	2925.9	2692.0	2699.1	2642.4	2619.1	2612.0
82.5°	2123.8	1812.9	1482.7	1289.3	1105.0	1056.3	909.5	876.1
85°	678.6	481.1	291.7	211.7	143.8	120.5	94.2	86.1
87.5°	90.1	70.9	57.7	55.7	50.6	43.5	28.4	20.3
90°	1.0	1.0	1.0	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°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
97.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
100°	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
102.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0
105°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
107.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



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CATALOG NUMBER: VTS-E06-LED-E1-5XQ-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
110°	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
112.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
115°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
117.5°	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
120°	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
122.5°	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
125°	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
127.5°	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
130°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0
132.5°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0
135°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0
137.5°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0
140°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0
142.5°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0
145°	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
147.5°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0
150°	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
152.5°	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
155°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0
157.5°	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
160°	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
162.5°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0
165°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0
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)