

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: P165000

Luminaire Tested: **VTS-F11-LED-E1-SL2-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P165000
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F11-LED-E1-SL2-HSS-8030
Description: VENTUS LED SITE LUMINAIRE
(11) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (77) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13884.8 lumens
Efficiency: N/A
Efficacy: 49.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.83' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G3

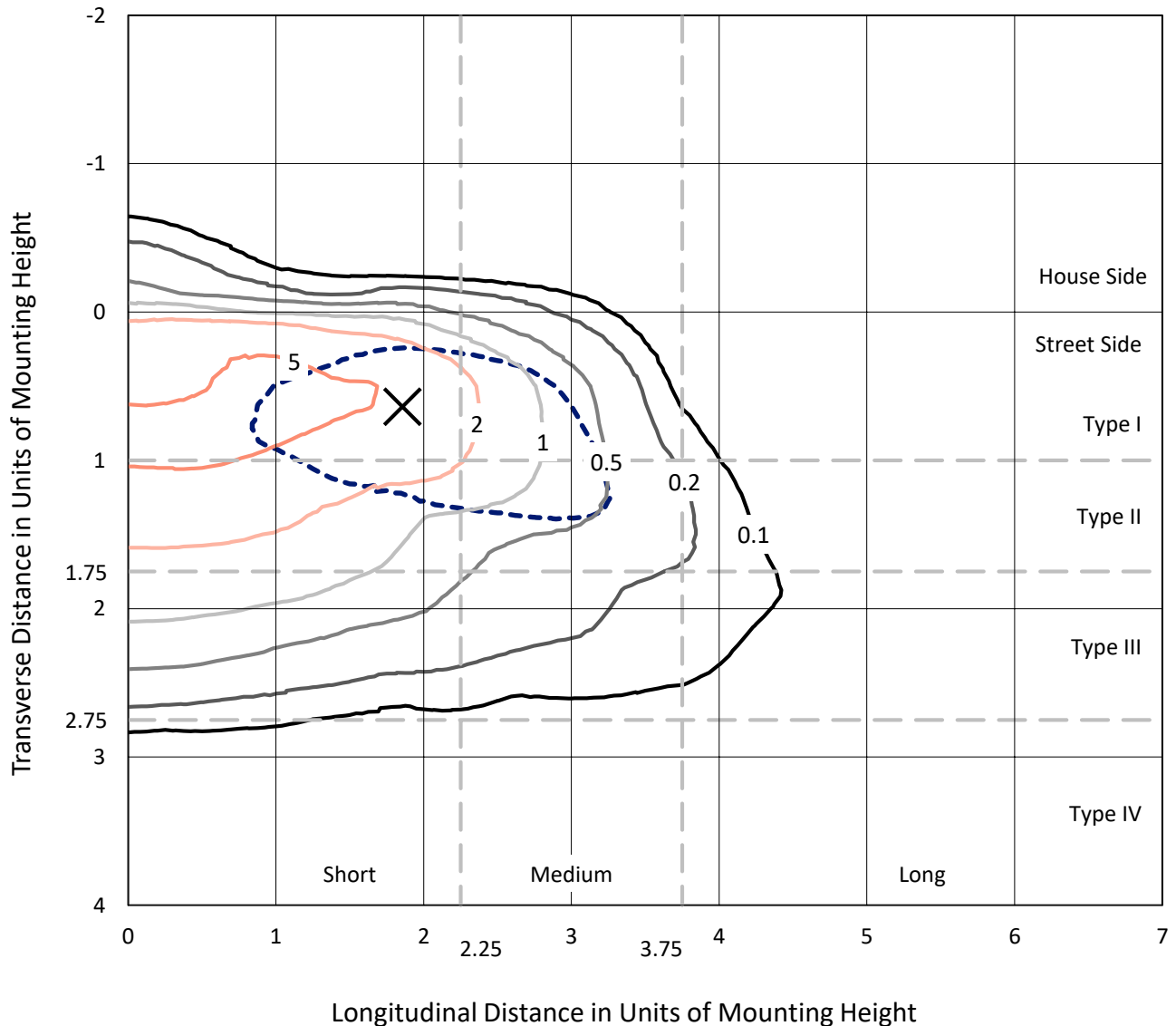
Input Watts (W): 282.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

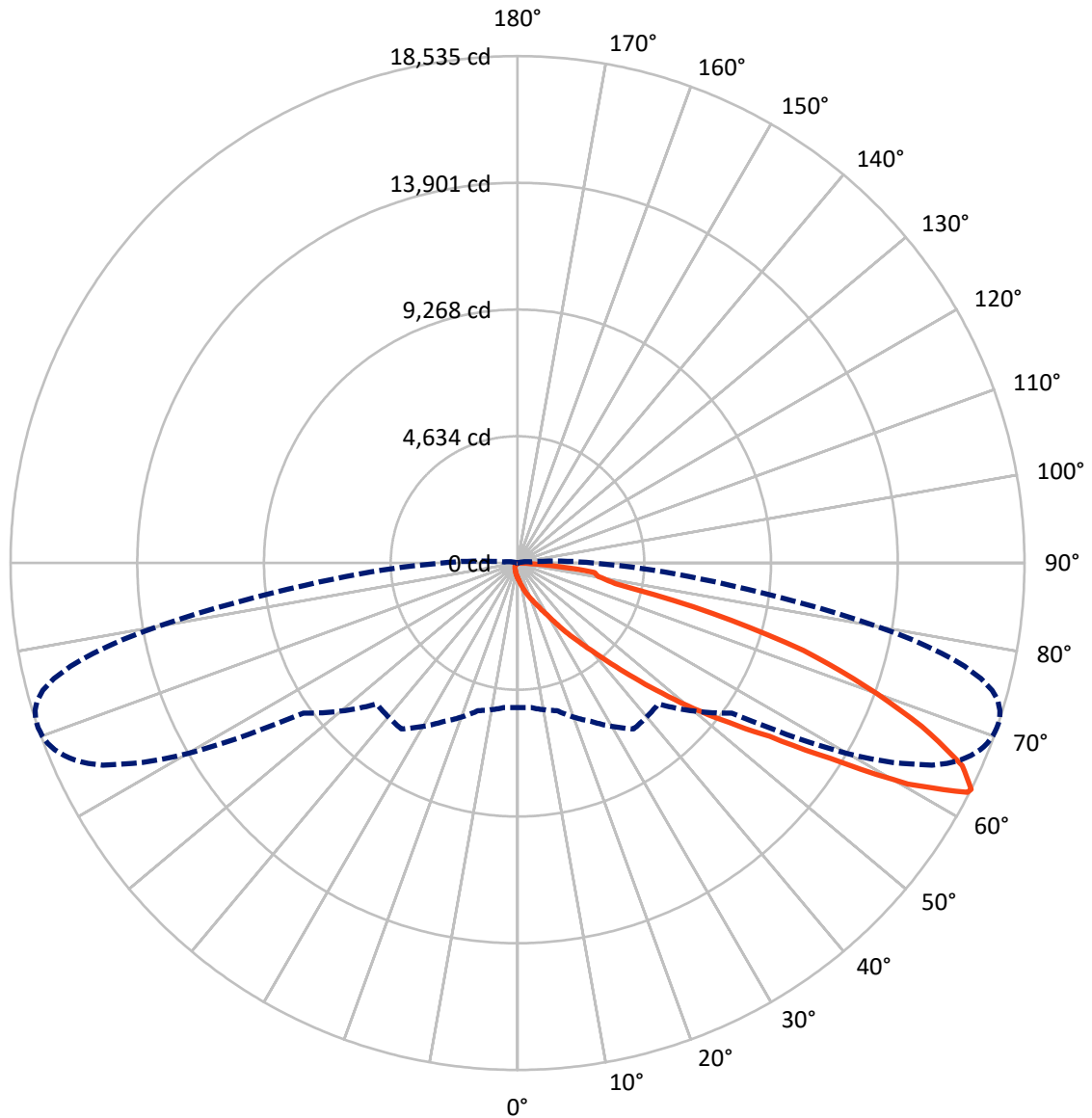


Based on 20 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	294.8	0.0	294.8
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	13590.0	0.0	13590.0
	% Fixture	97.9	0.0	97.9
Total	Lumens	13884.8	0.0	13884.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.9	0.4
10°-20°	228.3	1.6
20°-30°	463.7	3.3
30°-40°	1132.9	8.2
40°-50°	2533.7	18.2
50°-60°	3562.7	25.7
60°-70°	4189.4	30.2
70°-80°	1512.8	10.9
80°-90°	202.3	1.5
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°	13884.8	100.0
0°-180°	13884.8	100.0



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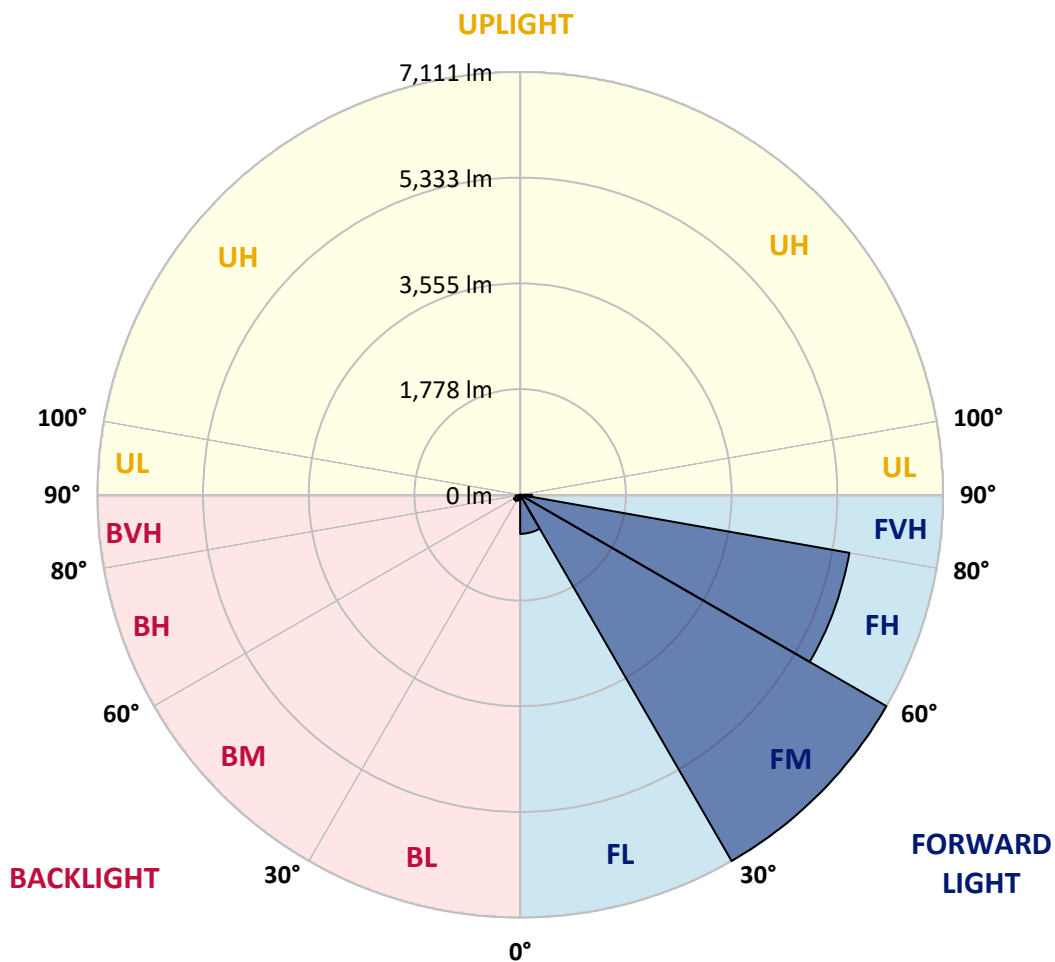
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	656.1	4.7			
FM	(30°-60°)	7110.6	51.2			
FH	(60°-80°)	5621.4	40.5			G3/7500
FVH	(80°-90°)	201.9	1.5			G2/225
BL	(0°-30°)	94.8	0.7	B0/110		
BM	(30°-60°)	118.8	0.9	B0/220		
BH	(60°-80°)	80.8	0.6	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7
2.5°	696.7	704.2	699.1	686.5	671.4	651.3	633.5	633.5	631.1	623.4	626.0
5°	913.7	916.3	906.2	875.9	848.1	805.2	757.2	752.2	747.1	739.6	737.1
7.5°	1125.9	1135.8	1125.9	1092.9	1037.4	971.8	896.1	888.6	873.4	873.4	863.3
10°	1342.9	1342.9	1332.8	1294.9	1244.3	1151.0	1055.0	1042.5	1024.8	1019.8	1004.6
12.5°	1496.8	1496.8	1491.7	1471.7	1431.2	1348.0	1231.8	1219.2	1196.5	1188.9	1171.2
15°	1557.3	1557.3	1559.9	1577.6	1580.2	1542.3	1421.1	1411.0	1388.3	1368.0	1360.5
17.5°	1595.2	1592.8	1592.8	1618.0	1663.4	1688.7	1610.4	1600.3	1575.1	1565.0	1539.7
20°	1678.6	1673.5	1658.4	1658.4	1701.3	1789.6	1789.6	1787.1	1759.4	1751.7	1739.1
22.5°	1802.3	1797.2	1751.7	1713.8	1734.1	1845.2	1948.7	1943.6	1933.5	1923.4	1915.9
25°	2004.2	1986.5	1908.2	1797.2	1779.6	1898.2	2069.8	2082.5	2090.0	2090.0	2095.1
27.5°	2309.7	2287.0	2148.1	1941.2	1862.8	1983.9	2203.6	2228.9	2251.6	2256.6	2279.3
30°	2733.6	2693.3	2493.9	2191.0	2011.8	2110.2	2400.5	2428.3	2461.1	2471.2	2506.5
32.5°	3430.3	3407.6	3215.9	2761.4	2377.7	2357.6	2675.7	2710.9	2753.9	2771.5	2814.4
35°	4490.5	4495.6	4339.1	3930.1	3400.1	3122.4	3167.9	3198.1	3213.2	3266.3	3289.0
37.5°	5209.9	5222.5	5257.9	5096.3	4717.7	4434.9	4079.0	4111.9	4033.6	4041.1	4043.7
40°	5603.7	5644.0	5851.1	6007.6	5977.2	5813.2	5528.0	5545.6	5399.2	5366.4	5207.3
42.5°	5866.1	5919.1	6249.9	6734.4	6981.8	7130.8	7065.2	7057.6	6944.0	6901.1	6767.2
45°	6030.3	6078.2	6494.7	7209.0	7779.5	8213.6	8392.8	8413.0	8317.1	8274.2	8163.2
47.5°	6022.6	6078.2	6524.9	7385.7	8226.3	8920.4	9425.3	9450.4	9508.5	9470.7	9478.2
50°	5689.5	5742.6	6191.8	7085.3	8095.0	9243.5	10167.3	10248.1	10341.5	10404.6	10435.0
52.5°	5285.6	5323.5	5722.3	6570.4	7534.6	9109.7	10606.5	10745.4	10884.2	11002.9	11086.1
55°	5136.6	5179.5	5492.5	6196.9	7085.3	8549.3	10811.0	11015.4	11212.4	11406.8	11565.7
57.5°	5215.0	5255.3	5480.0	6020.1	6817.8	7958.7	10869.1	11187.1	11510.2	11825.7	12138.7
60°	5502.7	5545.6	5737.5	6184.2	6747.2	7618.0	10641.9	11169.5	11707.1	12257.3	12774.8
62.5°	5389.1	5406.7	5689.5	6472.0	7251.9	7327.6	9816.5	10553.6	11374.0	12222.1	13057.5
63°	5280.6	5300.8	5588.5	6393.7	7406.0	7284.7	9561.6	10339.0	11204.7	12118.5	13027.3
65°	4788.4	4790.8	5010.5	5646.6	7234.3	7360.4	8425.7	9167.8	10162.3	11257.8	12406.3
67.5°	3574.2	3556.6	3768.6	4253.3	5679.4	7363.0	7231.7	7648.3	8339.9	9311.7	10341.5
70°	1267.2	1239.4	1582.6	2254.0	3538.8	6022.6	6214.5	6242.2	6434.2	6959.1	7605.4
72.5°	411.4	419.1	504.8	825.4	1630.6	4053.8	5626.4	5540.5	5490.1	5487.5	5573.3
75°	164.0	166.6	201.9	366.0	732.1	1953.7	4927.2	4975.1	4992.8	5018.0	5045.9
77.5°	78.2	85.8	113.6	204.5	363.4	966.7	3526.2	3932.6	4164.8	4344.2	4452.7
80°	27.7	32.8	63.2	126.2	169.1	444.2	1857.8	2241.4	2582.2	3021.5	3400.1
82.5°	0.0	0.0	12.6	88.3	93.3	179.2	762.3	893.5	1022.2	1325.1	1701.3
85°	0.0	0.0	0.0	25.3	27.7	30.3	257.5	310.5	348.4	406.4	469.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	7.5	15.2	37.9	58.1
90°	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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7
2.5°	620.9	618.5	618.5	613.4	610.8	605.8	603.3	595.7	593.2	593.2	593.2
5°	734.5	724.4	719.4	706.8	699.1	696.7	684.1	679.0	671.4	674.0	661.3
7.5°	860.7	843.1	835.5	817.8	812.9	795.1	790.0	777.4	769.9	754.8	749.7
10°	999.6	976.9	964.3	936.4	928.9	916.3	901.1	886.0	873.4	858.2	850.7
12.5°	1158.7	1138.4	1128.3	1090.4	1072.8	1055.0	1035.0	1014.7	994.5	981.9	964.3
15°	1345.4	1312.6	1302.4	1267.2	1236.8	1214.1	1186.4	1161.1	1145.9	1120.8	1103.0
17.5°	1529.6	1496.8	1489.3	1436.3	1403.4	1388.3	1358.1	1325.1	1297.4	1272.2	1244.3
20°	1713.8	1691.2	1670.9	1620.5	1585.2	1559.9	1519.5	1486.7	1464.0	1428.7	1393.3
22.5°	1898.2	1875.4	1860.4	1807.3	1774.5	1739.1	1703.9	1668.5	1635.7	1592.8	1552.4
25°	2087.5	2072.4	2064.7	2016.9	1986.5	1953.7	1918.3	1878.0	1837.5	1789.6	1746.8
27.5°	2284.4	2289.4	2274.2	2264.1	2231.3	2208.6	2153.1	2125.4	2095.1	2037.0	1983.9
30°	2534.2	2549.4	2544.3	2552.0	2531.8	2516.6	2473.7	2438.4	2403.0	2347.5	2287.0
32.5°	2849.8	2870.0	2880.0	2907.9	2897.8	2892.7	2880.0	2829.6	2804.3	2708.5	2683.2
35°	3336.9	3326.8	3369.7	3392.4	3382.3	3377.4	3362.2	3334.5	3304.1	3235.9	3172.9
37.5°	3970.5	3980.6	3995.8	3950.4	3920.0	3917.6	3872.1	3844.3	3801.4	3725.7	3649.9
40°	5131.6	5068.6	4997.9	4806.0	4722.8	4674.8	4541.0	4503.1	4429.8	4326.4	4248.2
42.5°	6641.1	6577.9	6365.9	6045.4	5873.8	5636.5	5528.0	5394.1	5290.7	5121.6	5030.7
45°	8140.5	7958.7	7933.4	7559.9	7347.9	7034.9	6840.5	6615.8	6381.1	6159.0	5997.5
47.5°	9405.1	9364.6	9241.1	9013.7	8816.9	8554.4	8304.5	7958.7	7716.4	7400.9	7110.6
50°	10417.2	10414.7	10369.2	10238.0	10074.0	9862.0	9642.3	9349.6	9074.4	8688.2	8377.8
52.5°	11174.6	11214.9	11230.0	11189.6	11126.6	10939.7	10828.7	10583.8	10351.6	10023.4	9687.7
55°	11729.7	11878.7	11954.4	12040.3	12022.7	11957.1	11952.0	11792.9	11687.0	11426.9	11189.6
57.5°	12416.4	12661.2	12895.9	13312.5	13327.5	13474.1	13549.8	13625.5	13645.6	13542.1	13464.0
60°	13289.7	13789.5	14233.7	15104.7	15331.9	15690.2	15922.5	16174.9	16389.4	16407.1	16402.1
62.5°	13905.6	14675.5	15392.4	16684.7	17126.5	17540.5	17850.9	18095.8	18244.7	18396.1	18466.8
63°	13923.4	14766.4	15528.7	16861.5	17325.9	17719.7	18015.1	18242.2	18398.7	18489.5	18535.0
65°	13496.8	14519.0	15427.7	16755.4	17192.1	17588.5	17742.4	17891.4	17967.1	18002.3	17868.5
67.5°	11439.6	12439.1	13499.2	14983.5	15357.0	15831.6	15957.9	16033.6	16068.8	16061.3	15947.7
70°	8554.4	9392.5	10571.2	12267.5	12762.2	13226.7	13514.4	13638.1	13678.4	13665.8	13496.8
72.5°	5972.2	6464.4	7436.2	9324.3	9998.3	10593.9	10949.8	11134.1	11171.9	11096.2	10939.7
75°	5015.5	5040.8	5260.3	6292.7	6923.7	7559.9	7961.2	8077.3	8001.6	7771.8	7373.2
77.5°	4477.8	4533.5	4533.5	4687.4	4811.1	4987.8	5025.7	4742.8	4414.8	3990.7	3647.5
80°	3756.0	3950.4	4086.6	4200.2	4212.8	4177.5	4084.0	3925.1	3672.6	3349.5	2991.1
82.5°	2281.9	2665.6	2822.1	3407.6	3695.3	3889.7	3874.7	3662.5	3470.8	3135.1	2829.6
85°	575.6	620.9	674.0	875.9	981.9	1199.0	1335.2	1398.4	1421.1	1305.0	1181.3
87.5°	55.5	37.9	63.2	48.0	68.2	50.4	68.2	63.2	78.2	83.2	90.9
90°	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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7
2.5°	588.1	585.5	583.1	580.6	578.0	575.6	570.5	570.5	565.5	562.9	560.4
5°	653.7	648.7	646.2	641.2	633.5	628.5	620.9	610.8	603.3	600.7	595.7
7.5°	737.1	724.4	719.4	711.8	701.7	686.5	676.4	668.9	656.4	648.7	633.5
10°	830.5	817.8	802.7	787.6	772.4	754.8	742.0	732.1	711.8	701.7	684.1
12.5°	949.1	926.4	908.7	888.6	868.3	848.1	832.9	802.7	785.0	762.3	747.1
15°	1070.2	1050.0	1029.9	1004.6	974.3	941.5	926.4	898.5	875.9	840.6	820.4
17.5°	1216.6	1178.7	1148.5	1118.2	1090.4	1060.1	1029.9	987.0	954.2	923.8	883.5
20°	1360.5	1315.2	1282.2	1241.9	1201.6	1153.6	1118.2	1087.8	1042.5	1002.2	959.2
22.5°	1514.4	1469.1	1416.0	1375.7	1320.2	1282.2	1234.4	1183.8	1138.4	1085.4	1032.4
25°	1701.3	1653.3	1592.8	1539.7	1476.6	1423.7	1365.6	1307.5	1252.0	1191.5	1123.2
27.5°	1931.0	1880.5	1814.9	1751.7	1668.5	1602.9	1547.4	1469.1	1398.4	1322.7	1244.3
30°	2221.2	2165.7	2084.9	1994.0	1910.8	1837.5	1759.4	1655.9	1577.6	1486.7	1385.8
32.5°	2600.0	2534.2	2425.7	2339.8	2236.4	2140.4	2031.9	1928.4	1817.5	1698.8	1582.6
35°	3077.0	3016.4	2890.1	2764.0	2650.4	2536.8	2400.5	2281.9	2125.4	1981.5	1832.5
37.5°	3571.8	3463.1	3347.1	3210.8	3069.3	2933.0	2766.4	2602.4	2423.2	2266.7	2079.9
40°	4137.1	4005.9	3909.9	3763.5	3564.1	3369.7	3215.9	3011.4	2786.7	2577.1	2357.6
42.5°	4912.1	4765.7	4594.0	4371.9	4228.0	4000.8	3801.4	3559.1	3263.7	3029.0	2764.0
45°	5808.2	5608.7	5442.1	5227.5	5053.4	4770.7	4538.5	4215.4	3920.0	3612.1	3289.0
47.5°	6830.4	6583.0	6340.7	6128.7	5851.1	5573.3	5278.1	4934.8	4556.1	4217.9	3834.2
50°	8004.1	7653.2	7317.5	7045.0	6663.8	6343.3	6022.6	5636.5	5217.4	4828.7	4392.0
52.5°	9309.1	8902.8	8458.6	8039.5	7597.7	7186.3	6800.0	6355.8	5888.9	5414.4	4927.2
55°	10884.2	10578.7	10056.4	9523.7	8933.0	8382.8	7885.4	7335.3	6767.2	6143.8	5631.4
57.5°	13350.4	13201.4	12764.7	12232.2	11462.3	10793.3	9950.3	9276.3	8453.5	7595.3	6933.9
60°	16692.4	16508.0	16263.2	15831.6	15220.7	14312.1	13383.2	12335.7	11083.7	9894.8	8766.5
62.5°	18474.4	18408.7	18209.4	17911.4	17341.1	16624.2	15687.8	14536.6	13123.2	11679.3	10240.6
63°	18527.3	18444.1	18272.4	17969.5	17467.2	16773.2	15854.2	14736.1	13352.8	11881.3	10412.1
65°	17810.6	17777.8	17603.5	17272.9	16929.7	16399.5	15687.8	14725.9	13564.8	12174.1	10712.6
67.5°	15796.3	15697.7	15430.3	15329.3	15089.5	14720.9	14178.3	13516.9	12686.5	11593.5	10331.3
70°	13360.4	13214.0	12878.3	12699.1	12406.3	12174.1	11843.5	11371.4	10858.9	10096.7	9155.2
72.5°	10778.2	10475.3	10167.3	9700.4	9291.5	8877.5	8511.4	8178.4	7615.3	7307.4	6593.1
75°	6999.5	6449.2	5921.7	5215.0	4578.8	4016.0	3468.2	3190.6	2612.5	2377.7	2042.0
77.5°	3321.8	3013.8	2600.0	2279.3	1870.3	1527.1	1246.9	936.4	734.5	575.6	439.2
80°	2680.6	2420.6	2170.8	1880.5	1572.5	1254.5	961.7	719.4	509.8	353.3	249.8
82.5°	2390.4	2107.6	1799.7	1600.3	1390.9	1138.4	933.9	762.3	562.9	411.4	280.2
85°	928.9	782.5	603.3	492.2	383.7	315.5	285.3	196.8	154.0	121.1	93.3
87.5°	80.8	65.6	53.0	35.4	37.9	20.2	22.7	15.2	12.6	12.6	10.1
90°	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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7	532.7
2.5°	557.8	555.3	552.7	547.7	547.7	542.8	540.2	537.7	525.0	497.2	474.6
5°	585.5	580.6	575.6	567.9	562.9	555.3	550.3	542.8	514.9	462.0	416.5
7.5°	626.0	615.9	608.4	593.2	585.5	575.6	567.9	555.3	509.8	429.0	366.0
10°	674.0	656.4	643.6	626.0	610.8	598.3	585.5	567.9	504.8	393.8	320.5
12.5°	732.1	711.8	686.5	666.3	646.2	628.5	610.8	588.1	497.2	363.4	285.3
15°	790.0	759.8	742.0	714.3	686.5	661.3	636.1	615.9	499.9	330.6	254.9
17.5°	855.6	825.4	787.6	757.2	727.0	694.2	663.9	623.4	487.1	305.5	232.2
20°	918.8	875.9	840.6	802.7	759.8	719.4	681.5	646.2	477.0	280.2	212.0
22.5°	987.0	936.4	891.0	843.1	790.0	744.6	699.1	653.7	459.4	257.5	194.4
25°	1070.2	1012.1	946.5	888.6	832.9	777.4	719.4	663.9	441.8	237.3	181.8
27.5°	1171.2	1095.5	1029.9	956.6	878.5	807.8	744.6	684.1	424.1	222.1	169.1
30°	1300.0	1211.5	1118.2	1024.8	941.5	860.7	772.4	696.7	406.4	206.9	156.5
32.5°	1471.7	1360.5	1246.9	1138.4	1027.3	923.8	830.5	732.1	396.2	194.4	143.9
35°	1698.8	1554.9	1416.0	1279.7	1145.9	1019.8	898.5	787.6	396.2	179.2	128.8
37.5°	1913.3	1746.8	1570.1	1400.8	1241.9	1095.5	951.6	817.8	376.2	166.6	116.2
40°	2145.5	1946.1	1739.1	1539.7	1348.0	1166.2	1002.2	848.1	358.4	151.4	103.5
42.5°	2501.4	2249.1	1979.0	1746.8	1517.0	1292.3	1087.8	906.2	335.7	136.3	90.9
45°	2968.5	2647.8	2329.9	2047.1	1754.3	1479.2	1236.8	1012.1	330.6	123.7	78.2
47.5°	3468.2	3089.5	2716.0	2355.0	2011.8	1691.2	1400.8	1130.8	330.6	111.1	68.2
50°	3965.4	3491.0	3092.2	2673.1	2287.0	1908.2	1562.4	1254.5	333.2	101.0	55.5
52.5°	4414.8	3907.5	3460.6	2976.0	2549.4	2110.2	1734.1	1375.7	328.2	88.3	45.4
55°	5038.2	4442.6	3925.1	3390.0	2890.1	2395.5	1968.9	1557.3	330.6	78.2	37.9
57.5°	6186.8	5487.5	4864.1	4162.4	3586.8	2948.2	2430.7	1931.0	361.0	65.6	27.7
60°	7835.0	6926.3	6050.5	5194.7	4462.8	3703.0	3031.5	2443.5	424.1	53.0	20.2
62.5°	8943.1	7754.2	6709.3	5765.2	4914.5	4119.4	3387.4	2718.5	466.9	42.9	12.6
63°	9056.7	7827.5	6777.4	5803.1	4934.8	4139.7	3402.5	2738.7	469.5	40.3	12.6
65°	9271.3	7953.6	6815.2	5810.6	4914.5	4111.9	3392.4	2736.2	474.6	32.8	10.1
67.5°	9026.5	7759.3	6595.7	5593.6	4737.8	3947.8	3266.3	2635.2	472.0	22.7	7.5
70°	8072.3	7022.3	5999.9	5066.0	4288.5	3574.2	2973.5	2403.0	434.1	15.2	5.1
72.5°	5926.8	5212.3	4419.9	3745.9	3230.9	2683.2	2289.4	1804.7	335.7	10.1	2.5
75°	1756.8	1600.3	1345.4	1186.4	1047.5	865.7	769.9	600.7	171.7	5.1	0.0
77.5°	350.9	318.1	285.3	260.0	244.8	209.5	199.4	164.0	70.7	2.5	0.0
80°	184.2	151.4	128.8	113.6	98.4	80.8	68.2	55.5	12.6	0.0	0.0
82.5°	176.7	118.6	85.8	70.7	60.5	48.0	37.9	27.7	7.5	0.0	0.0
85°	65.6	50.4	37.9	30.3	25.3	22.7	17.6	15.2	0.0	0.0	0.0
87.5°	10.1	7.5	7.5	5.1	5.1	2.5	2.5	2.5	0.0	0.0	0.0
90°	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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CATALOG NUMBER: VTS-F11-LED-E1-SL2-HSS-8030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	532.7	532.7	532.7	532.7	532.7	532.7	532.7
2.5°	451.9	431.6	421.5	409.0	409.0	406.4	411.4
5°	376.2	348.4	328.2	313.0	315.5	307.9	310.5
7.5°	318.1	290.3	272.5	262.6	260.0	257.5	257.5
10°	275.1	249.8	234.7	227.2	224.7	224.7	224.7
12.5°	244.8	219.7	206.9	201.9	201.9	199.4	199.4
15°	219.7	199.4	186.9	181.8	181.8	179.2	181.8
17.5°	199.4	179.2	169.1	164.0	164.0	161.6	161.6
20°	181.8	164.0	154.0	146.4	146.4	143.9	146.4
22.5°	166.6	149.0	136.3	131.2	128.8	126.2	128.8
25°	151.4	133.8	121.1	113.6	111.1	111.1	108.5
27.5°	138.9	121.1	106.1	98.4	96.0	96.0	93.3
30°	126.2	106.1	90.9	83.2	80.8	80.8	80.8
32.5°	113.6	90.9	78.2	70.7	68.2	68.2	68.2
35°	101.0	78.2	65.6	58.1	55.5	55.5	55.5
37.5°	85.8	65.6	50.4	45.4	42.9	40.3	40.3
40°	73.3	50.4	37.9	32.8	27.7	27.7	27.7
42.5°	60.5	40.3	27.7	20.2	17.6	15.2	17.6
45°	50.4	30.3	17.6	10.1	7.5	7.5	7.5
47.5°	40.3	20.2	7.5	2.5	2.5	2.5	2.5
50°	30.3	12.6	2.5	0.0	0.0	2.5	2.5
52.5°	22.7	7.5	0.0	0.0	0.0	0.0	0.0
55°	12.6	2.5	0.0	0.0	0.0	0.0	0.0
57.5°	7.5	0.0	0.0	0.0	0.0	0.0	0.0
60°	5.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2.5	0.0	0.0	0.0	0.0	0.0	0.0
63°	2.5	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.5	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)