

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: P158145

Luminaire Tested: **VTS-F07-LED-E1-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P158145
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33712)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-F07-LED-E1-SL2
Description: VENTUS LED SITE LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (49) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

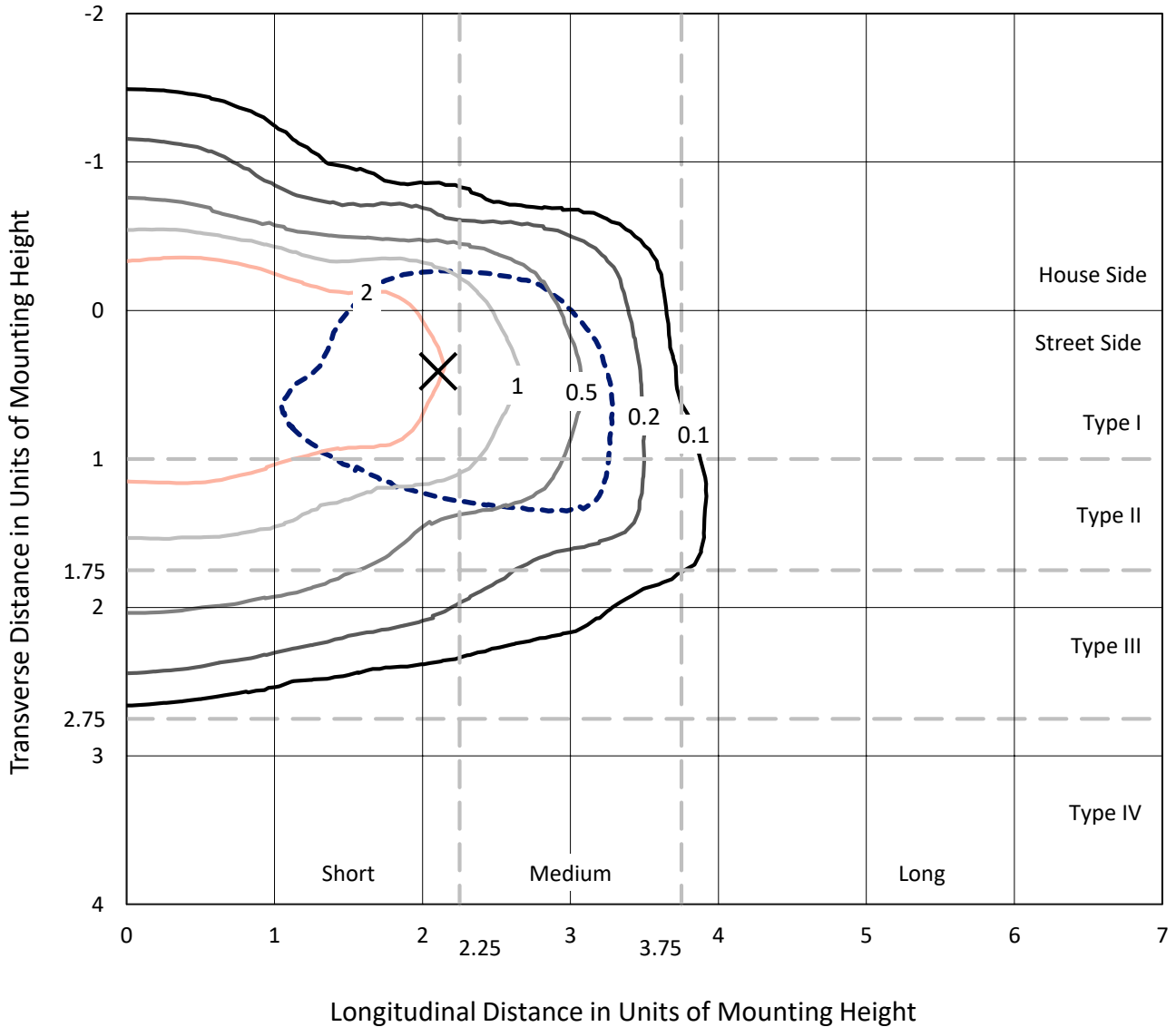
Lumens per Lamp: N/A
Luminaire Lumens: 17386.7 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 180.5
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

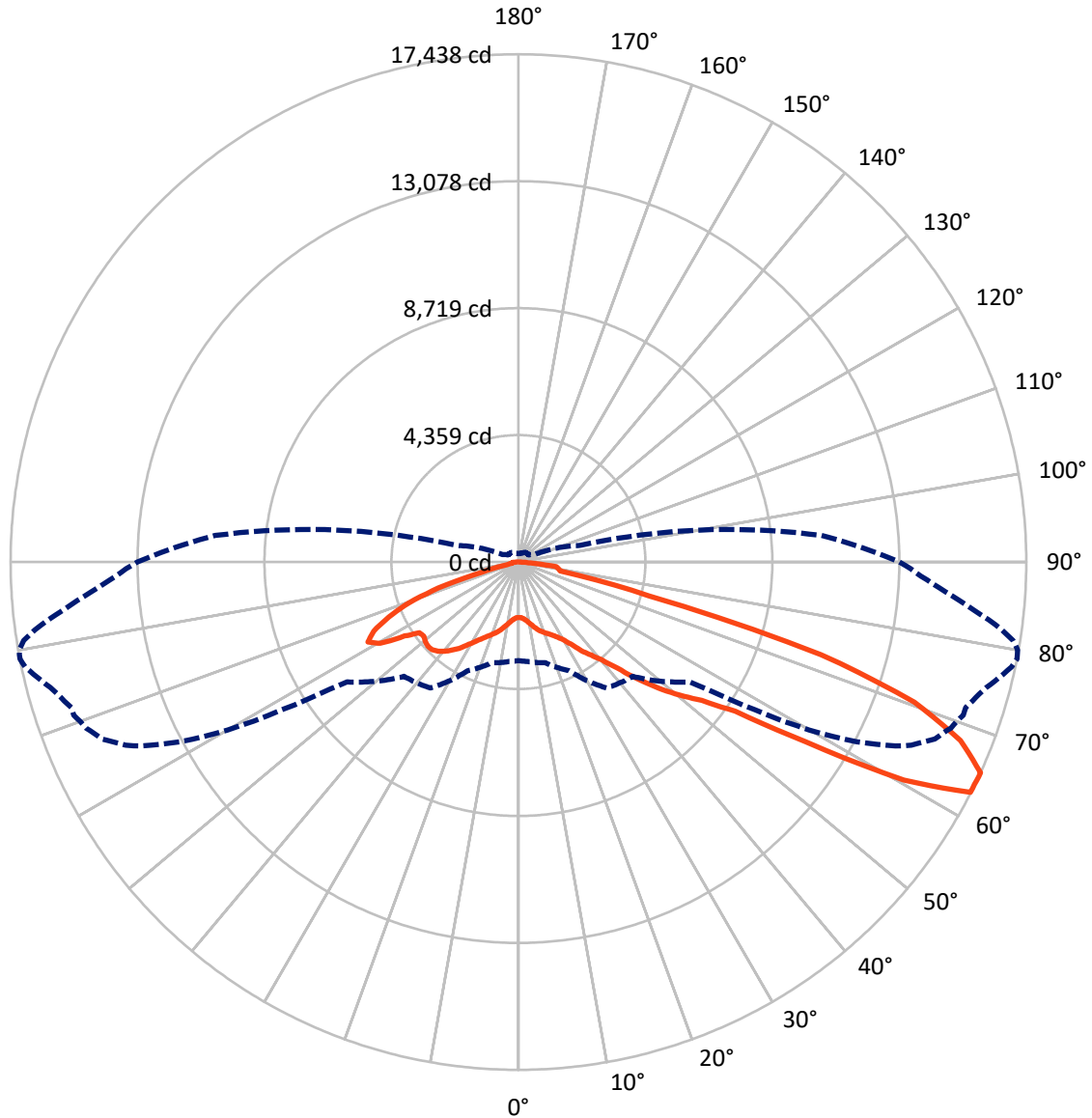
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3995.1	0.0	3995.1
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	13391.5	0.0	13391.5
	% Fixture	77.0	0.0	77.0
Total	Lumens	17386.7	0.0	17386.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.2	1.1
10°-20°	611.3	3.5
20°-30°	1053.8	6.1
30°-40°	1726.1	9.9
40°-50°	2890.6	16.6
50°-60°	3910.0	22.5
60°-70°	4815.1	27.7
70°-80°	1863.9	10.7
80°-90°	327.8	1.9
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°	17386.7	100.0
0°-180°	17386.7	100.0



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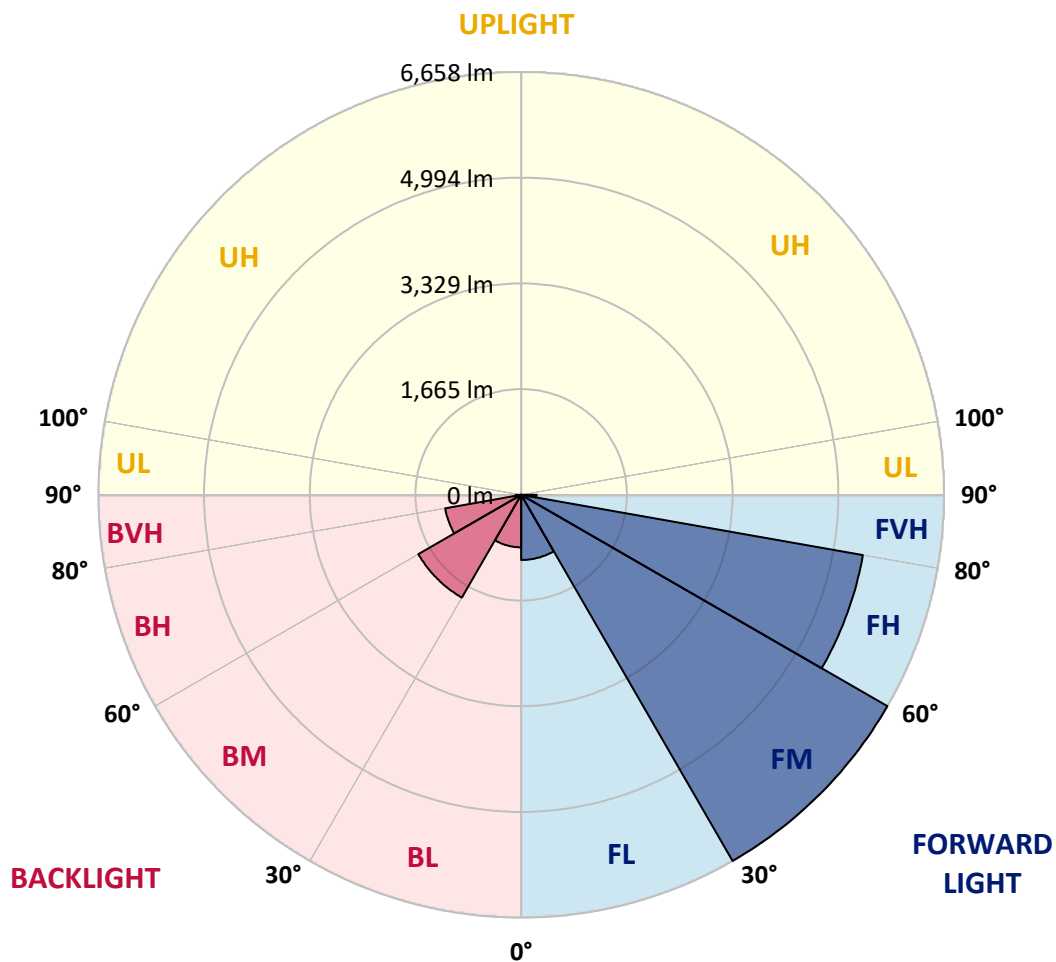
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1026.5	5.9			
FM (30°-60°)	6658.3	38.3			
FH (60°-80°)	5463.5	31.4			G3/7500
FVH (80°-90°)	243.2	1.4			G3/500
BL (0°-30°)	826.8	4.8	B2/1000		
BM (30°-60°)	1868.3	10.7	B2/2500		
BH (60°-80°)	1215.5	7.0	B3/2500		G3/2500
BVH (80°-90°)	84.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3
2.5°	1905.8	1900.0	1905.8	1910.4	1913.9	1918.5	1917.4	1916.2	1915.1	1916.2	1916.2
5°	1922.0	1920.8	1926.6	1931.2	1939.3	1945.1	1952.0	1952.0	1952.0	1950.9	1953.2
7.5°	1974.0	1972.8	1978.6	1983.2	1990.2	2001.7	2011.0	2015.6	2014.4	2014.4	2014.4
10°	2059.5	2054.9	2054.9	2054.9	2064.1	2072.2	2093.0	2095.3	2100.0	2097.7	2098.8
12.5°	2142.7	2143.9	2140.4	2137.0	2138.1	2154.3	2184.3	2190.1	2191.3	2194.7	2197.1
15°	2217.9	2216.7	2208.6	2200.5	2210.9	2238.7	2278.0	2288.4	2288.4	2295.3	2299.9
17.5°	2287.2	2284.9	2269.9	2256.0	2266.4	2313.8	2375.0	2382.0	2392.4	2395.8	2400.5
20°	2369.3	2364.6	2347.3	2310.3	2310.3	2375.0	2455.9	2462.9	2472.1	2474.4	2482.5
22.5°	2483.7	2472.1	2435.1	2368.1	2349.6	2424.7	2524.1	2527.6	2534.5	2543.8	2550.7
25°	2613.1	2615.4	2555.3	2438.6	2398.1	2476.7	2590.0	2595.8	2608.5	2615.4	2623.5
27.5°	2747.2	2750.6	2683.6	2538.0	2469.8	2548.4	2679.0	2685.9	2701.0	2709.0	2721.8
30°	2899.7	2904.4	2839.6	2692.9	2588.8	2653.6	2810.7	2829.2	2842.0	2852.4	2873.2
32.5°	3266.1	3238.4	3193.3	3037.3	2873.2	2868.5	3023.4	3044.2	3061.5	3083.5	3103.1
35°	3727.2	3744.6	3767.7	3662.5	3518.1	3412.9	3425.6	3414.0	3430.2	3462.6	3482.2
37.5°	4092.5	4130.6	4231.1	4299.3	4293.6	4272.8	4078.6	4078.6	4089.0	4071.7	4069.3
40°	4379.1	4403.3	4609.1	4873.7	5096.8	5206.6	5052.9	5030.9	5042.5	4953.5	4956.9
42.5°	4527.0	4562.8	4858.7	5323.3	5766.0	6118.5	6071.1	6056.1	6021.4	5999.4	5985.6
45°	4602.1	4644.9	4997.4	5635.4	6280.3	6824.6	7069.6	7067.3	7036.1	7010.7	6999.1
47.5°	4564.0	4601.0	4976.6	5730.1	6550.7	7280.0	7822.0	7855.5	7846.3	7883.3	7898.3
50°	4314.4	4361.7	4738.5	5525.6	6437.4	7459.1	8343.3	8405.7	8490.0	8543.2	8613.7
52.5°	4089.0	4128.3	4468.1	5193.9	6065.3	7313.5	8657.6	8785.9	8901.5	9010.1	9094.5
55°	3853.2	3892.5	4190.7	4849.5	5689.7	6883.6	8800.9	8988.2	9168.4	9352.2	9520.9
57.5°	3764.2	3805.8	4027.7	4582.5	5382.3	6457.1	8871.4	9178.8	9472.4	9784.5	10108.1
60°	3995.4	4032.4	4201.1	4589.4	5147.6	6030.6	8729.3	9212.4	9717.4	10231.7	10728.7
62.5°	3924.9	3944.5	4154.9	4757.0	5447.0	5609.9	8113.3	8751.2	9485.1	10238.7	11000.3
65°	3386.3	3424.4	3582.8	4112.1	5279.4	5553.3	7174.8	7816.2	8681.9	9573.0	10593.5
67.5°	2429.4	2376.2	2498.7	2962.1	4095.9	5544.1	6118.5	6593.5	7271.9	7954.9	8791.7
70°	1103.7	1078.3	1174.2	1540.6	2471.0	4381.4	5173.1	5333.7	5585.7	6045.6	6610.8
72.5°	435.7	434.6	497.0	636.8	1168.4	2820.0	4350.2	4442.6	4531.6	4731.6	4975.4
75°	285.5	285.5	304.0	343.3	575.6	1361.5	3679.9	3764.2	3900.6	3957.2	4061.3
77.5°	215.0	216.1	224.2	233.5	317.8	716.6	2596.9	2896.3	3127.4	3299.6	3425.6
80°	152.6	159.5	174.5	180.3	206.9	408.0	1467.8	1683.9	1945.1	2223.6	2573.8
82.5°	114.4	122.5	147.9	154.9	164.1	232.3	662.2	751.2	877.2	1137.2	1635.4
85°	53.2	58.9	101.7	111.0	119.0	134.1	336.3	375.6	426.5	466.9	544.4
87.5°	8.1	5.8	17.3	24.3	38.1	39.3	115.6	137.5	149.1	179.1	186.1
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°	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3
2.5°	1916.2	1917.4	1918.5	1916.2	1917.4	1917.4	1915.1	1913.9	1913.9	1913.9	1915.1
5°	1953.2	1955.5	1953.2	1954.3	1959.0	1957.8	1955.5	1954.3	1959.0	1960.1	1956.7
7.5°	2019.1	2020.2	2015.6	2021.4	2023.7	2024.8	2024.8	2027.2	2027.2	2030.6	2027.2
10°	2103.4	2103.4	2111.5	2110.4	2111.5	2113.8	2115.0	2119.6	2123.1	2123.1	2125.4
12.5°	2200.5	2201.7	2209.8	2210.9	2215.5	2216.7	2223.6	2219.0	2230.6	2230.6	2234.0
15°	2301.1	2309.2	2310.3	2321.9	2324.2	2325.3	2334.6	2334.6	2342.7	2343.8	2346.1
17.5°	2400.5	2407.4	2412.0	2421.3	2429.4	2432.8	2436.3	2443.2	2449.0	2451.3	2457.1
20°	2486.0	2492.9	2497.5	2506.8	2513.7	2519.5	2523.0	2531.1	2536.8	2539.1	2547.2
22.5°	2557.6	2562.3	2570.4	2583.1	2585.4	2592.3	2602.7	2608.5	2610.8	2617.7	2627.0
25°	2633.9	2640.9	2645.5	2657.0	2666.3	2677.8	2687.1	2696.3	2698.6	2707.9	2716.0
27.5°	2735.6	2742.6	2743.7	2766.8	2776.1	2792.3	2802.7	2816.5	2823.5	2831.6	2847.7
30°	2885.9	2902.1	2909.0	2935.6	2940.2	2958.7	2977.2	2981.8	2992.2	2993.4	3019.9
32.5°	3115.9	3139.0	3148.2	3176.0	3182.9	3200.2	3210.6	3234.9	3236.1	3247.6	3253.4
35°	3492.6	3486.9	3522.7	3529.6	3550.4	3565.4	3575.8	3575.8	3597.8	3599.0	3605.9
37.5°	4006.9	3995.4	4004.6	3963.0	3973.4	3954.9	3951.5	3956.1	3946.8	3949.1	3948.0
40°	4829.8	4777.8	4723.5	4595.2	4567.5	4514.3	4472.7	4439.2	4406.8	4372.1	4349.0
42.5°	5861.9	5786.8	5705.9	5500.1	5404.2	5301.4	5200.8	5143.0	5027.4	4956.9	4918.8
45°	6943.7	6855.8	6742.6	6571.5	6435.1	6325.3	6141.6	6054.9	5875.8	5786.8	5666.6
47.5°	7830.1	7831.3	7740.0	7566.6	7421.0	7348.2	7233.7	7066.2	6862.8	6748.3	6534.5
50°	8605.6	8604.4	8598.7	8494.7	8392.9	8313.2	8212.7	8061.3	7894.8	7765.4	7520.4
52.5°	9178.8	9255.1	9287.5	9286.3	9273.6	9236.6	9160.4	9029.8	8861.0	8788.2	8592.9
55°	9652.7	9819.1	9905.8	10095.3	10112.7	10173.9	10106.9	10108.1	10008.7	10015.6	9953.2
57.5°	10370.4	10674.4	10848.9	11268.4	11478.8	11733.0	11687.9	11900.6	11978.0	12076.3	12206.9
60°	11185.2	11752.7	12166.4	13000.9	13340.6	13752.1	13978.6	14220.2	14395.8	14576.1	14709.0
62.5°	11767.7	12513.1	13192.7	14382.0	14823.5	15256.9	15542.3	15834.7	16032.4	16161.8	16257.7
65°	11529.6	12353.7	13156.9	14403.9	14884.7	15199.1	15538.9	15707.6	15905.2	16012.7	16150.2
67.5°	9797.2	10623.5	11484.5	12955.8	13458.5	13893.1	14157.8	14376.2	14535.7	14672.1	14830.4
70°	7285.8	8189.5	9079.5	10692.9	11327.4	11954.9	12267.0	12537.4	12703.8	12841.4	13015.9
72.5°	5243.6	5809.9	6365.8	8172.2	8806.7	9618.0	9941.6	10242.1	10458.2	10451.3	10636.2
75°	4174.5	4404.5	4651.8	5584.5	6039.9	6724.1	6905.5	7074.3	6972.5	6777.2	6765.7
77.5°	3475.3	3570.1	3653.3	3945.7	4012.7	4175.7	4085.5	3991.9	3690.3	3436.0	3301.9
80°	2821.1	3008.4	3130.9	3338.9	3424.4	3473.0	3485.7	3453.3	3342.4	3188.7	2943.7
82.5°	2097.7	2453.6	2696.3	3105.5	3255.7	3286.9	3347.0	3310.0	3237.2	3112.4	2936.7
85°	614.9	695.8	797.5	1081.8	1267.8	1426.2	1588.0	1667.7	1717.4	1648.1	1466.6
87.5°	216.1	243.9	272.8	375.6	399.9	483.1	473.9	559.4	562.8	587.1	561.7
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°	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3
2.5°	1913.9	1913.9	1913.9	1915.1	1915.1	1915.1	1912.7	1911.6	1912.7	1915.1	1915.1
5°	1959.0	1960.1	1962.4	1957.8	1959.0	1962.4	1960.1	1959.0	1960.1	1962.4	1960.1
7.5°	2031.8	2032.9	2030.6	2035.2	2035.2	2037.6	2041.0	2037.6	2038.7	2039.9	2041.0
10°	2126.6	2127.7	2130.0	2133.5	2134.6	2137.0	2139.3	2142.7	2142.7	2140.4	2146.2
12.5°	2239.8	2238.7	2241.0	2245.6	2247.9	2251.4	2258.3	2258.3	2262.9	2261.8	2267.6
15°	2350.8	2356.5	2357.7	2365.8	2369.3	2375.0	2383.1	2387.7	2387.7	2394.7	2397.0
17.5°	2461.7	2466.3	2471.0	2477.9	2482.5	2486.0	2495.2	2501.0	2499.9	2512.6	2512.6
20°	2547.2	2556.5	2562.3	2566.9	2575.0	2580.8	2587.7	2594.6	2599.2	2607.3	2609.6
22.5°	2630.5	2636.2	2644.3	2650.1	2659.3	2666.3	2674.4	2680.1	2688.2	2698.6	2702.1
25°	2722.9	2732.2	2741.4	2749.5	2756.4	2764.5	2778.4	2791.1	2802.7	2811.9	2815.4
27.5°	2851.2	2861.6	2875.5	2881.2	2891.6	2898.6	2919.4	2935.6	2941.3	2957.5	2962.1
30°	3024.6	3036.1	3050.0	3056.9	3075.4	3084.7	3106.6	3124.0	3129.7	3149.4	3152.8
32.5°	3275.4	3282.3	3310.0	3308.9	3334.3	3360.9	3373.6	3387.5	3412.9	3423.3	3426.8
35°	3623.2	3639.4	3659.1	3657.9	3690.3	3705.3	3730.7	3745.7	3764.2	3763.1	3782.7
37.5°	3959.5	3965.3	3972.3	3987.3	4010.4	4031.2	4040.4	4055.5	4069.3	4090.1	4115.6
40°	4325.9	4339.8	4340.9	4349.0	4360.6	4387.2	4404.5	4420.7	4468.1	4498.1	4513.1
42.5°	4874.9	4871.4	4848.3	4863.3	4870.3	4910.7	4923.4	4973.1	5026.3	5089.9	5107.2
45°	5581.0	5534.8	5520.9	5515.2	5552.2	5573.0	5625.0	5717.4	5772.9	5833.0	5861.9
47.5°	6450.2	6305.7	6237.5	6222.5	6260.6	6349.6	6366.9	6458.2	6531.1	6575.0	6603.9
50°	7320.4	7207.2	7063.9	7015.3	7004.9	7087.0	7106.6	7182.9	7256.9	7269.6	7254.5
52.5°	8413.8	8228.8	7991.9	7906.4	7838.2	7844.0	7860.2	7892.5	7939.9	7920.3	7879.8
55°	9812.2	9601.8	9485.1	9323.3	9220.5	9202.0	9131.5	9034.4	9030.9	9043.6	8922.3
57.5°	12141.0	12053.2	12102.9	12085.5	11983.8	12045.1	11727.2	11637.1	11565.4	11440.6	11328.5
60°	14826.9	14917.1	15019.9	15256.9	15246.5	15484.5	15263.8	15208.3	15141.3	14756.4	14568.0
62.5°	16425.3	16461.1	16612.5	16833.3	17050.6	17278.2	17381.1	17416.9	17277.1	16962.7	16569.8
65°	16146.8	16305.1	16451.9	16642.6	16865.6	17093.3	17310.6	17437.7	17405.4	17197.3	16765.1
67.5°	14881.2	15047.7	15262.6	15462.6	15703.0	15900.6	16138.7	16372.1	16379.1	16275.1	15974.6
70°	13034.4	13227.4	13449.3	13561.4	13821.4	14000.6	14198.2	14429.4	14504.5	14517.2	14167.0
72.5°	10596.9	10677.8	10786.5	10727.5	10779.5	10894.0	10840.8	10859.3	10573.8	10627.0	10194.7
75°	6453.6	6379.7	6051.4	5752.1	5386.9	5106.0	5173.1	4636.8	4108.6	4082.1	3700.7
77.5°	3273.0	3155.2	2951.7	2740.2	2430.5	2075.7	1779.8	1460.8	1191.6	1037.8	891.1
80°	2787.6	2704.4	2592.3	2438.6	2213.2	1950.9	1642.3	1399.6	1174.2	939.6	752.4
82.5°	2667.4	2413.2	2250.2	2121.9	1878.1	1635.4	1466.6	1300.2	1140.7	996.2	789.4
85°	1323.3	1170.8	990.5	878.4	676.1	529.3	495.8	408.0	380.2	293.6	247.3
87.5°	445.0	364.1	271.6	228.8	182.6	149.1	146.8	130.6	129.4	117.9	108.6
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°	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3
2.5°	1913.9	1916.2	1916.2	1913.9	1915.1	1912.7	1913.9	1915.1	1911.6	1910.4	1907.0
5°	1961.3	1960.1	1960.1	1961.3	1964.7	1965.9	1960.1	1962.4	1963.6	1957.8	1945.1
7.5°	2039.9	2039.9	2043.3	2042.2	2049.1	2046.8	2045.7	2045.7	2045.7	2034.1	2013.3
10°	2146.2	2146.2	2149.7	2154.3	2155.4	2153.1	2153.1	2154.3	2160.1	2137.0	2104.6
12.5°	2265.2	2271.0	2269.9	2269.9	2283.7	2280.3	2275.6	2280.3	2286.0	2253.7	2207.5
15°	2398.1	2401.6	2403.9	2412.0	2409.7	2417.8	2420.1	2417.8	2423.6	2382.0	2304.5
17.5°	2518.3	2525.3	2527.6	2536.8	2536.8	2538.0	2547.2	2543.8	2544.9	2497.5	2386.6
20°	2617.7	2624.7	2628.1	2638.5	2640.9	2645.5	2648.9	2651.3	2657.0	2600.4	2453.6
22.5°	2717.1	2722.9	2728.7	2735.6	2744.9	2750.6	2755.3	2757.6	2768.0	2702.1	2517.2
25°	2828.1	2840.8	2846.6	2858.1	2867.4	2876.6	2883.6	2884.7	2902.1	2820.0	2569.2
27.5°	2976.0	2993.4	3002.6	3021.1	3030.3	3039.6	3037.3	3051.1	3075.4	2955.2	2609.6
30°	3170.2	3192.1	3197.9	3216.4	3231.4	3240.7	3251.1	3262.6	3278.8	3105.5	2629.3
32.5°	3440.6	3474.1	3482.2	3492.6	3514.6	3530.8	3537.7	3556.2	3560.8	3247.6	2623.5
35°	3811.6	3796.6	3835.9	3845.1	3876.3	3889.0	3897.1	3921.4	3902.9	3402.5	2585.4
37.5°	4146.8	4142.2	4180.3	4201.1	4241.5	4232.3	4251.9	4268.1	4202.3	3512.3	2514.9
40°	4555.9	4550.1	4603.3	4610.2	4672.6	4658.8	4666.9	4679.6	4532.8	3588.6	2386.6
42.5°	5126.8	5129.2	5185.8	5192.7	5200.8	5226.2	5184.6	5186.9	4884.1	3609.4	2175.1
45°	5879.2	5919.7	5885.0	5886.2	5883.8	5835.3	5783.3	5722.0	5249.3	3537.7	1902.3
47.5°	6608.5	6580.8	6536.8	6496.4	6462.9	6386.6	6310.3	6206.3	5564.9	3367.8	1598.4
50°	7232.6	7170.2	7130.9	7018.8	6939.0	6839.6	6733.3	6614.3	5823.7	3122.8	1314.1
52.5°	7812.8	7748.0	7601.3	7484.5	7370.1	7238.4	7114.7	6974.9	6052.6	2843.1	1096.8
55°	8776.7	8720.0	8573.2	8359.4	8218.4	8037.0	7874.0	7684.5	6516.0	2616.6	953.5
57.5°	11019.9	10971.4	10662.8	10527.6	10341.5	9886.2	9819.1	9523.3	7758.4	2590.0	869.1
60°	14178.6	13970.5	13714.0	13344.1	12908.4	12758.2	12423.0	12028.9	9757.9	2662.8	800.9
62.5°	16117.9	15644.0	15267.3	14840.8	14439.8	14095.3	13729.0	13339.5	10780.7	2566.9	716.6
65°	16263.5	15706.4	15208.3	14707.9	14257.1	13828.4	13472.4	13082.9	10447.8	2206.3	606.8
67.5°	15461.4	14874.3	14331.1	13763.6	13308.3	12921.1	12468.1	12093.6	9509.4	1717.4	505.1
70°	13807.6	13292.1	12824.0	12212.7	11834.7	11363.2	11075.4	10607.3	8288.9	1170.8	417.2
72.5°	9945.1	9556.8	9404.2	8977.7	8483.1	8205.7	8072.8	7618.6	6125.4	727.0	340.9
75°	3359.7	3455.6	3236.1	2899.7	3063.9	2810.7	2913.6	2697.5	2591.2	417.2	286.6
77.5°	745.4	700.4	647.2	601.0	597.5	561.7	595.2	562.8	602.1	265.8	253.1
80°	588.3	464.6	395.3	360.6	342.1	331.7	323.6	314.4	286.6	226.5	233.5
82.5°	635.7	479.6	351.3	280.8	240.4	225.4	221.9	212.7	210.3	219.6	235.8
85°	203.4	169.9	144.5	136.4	126.0	120.2	117.9	114.4	138.7	239.2	226.5
87.5°	106.3	93.6	83.2	79.7	69.3	64.7	63.6	64.7	97.1	239.2	164.1
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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CATALOG NUMBER: VTS-F07-LED-E1-SL2

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3	1902.3
2.5°	1903.5	1902.3	1900.0	1898.9	1897.7	1891.9	1896.6
5°	1939.3	1927.8	1917.4	1904.7	1897.7	1891.9	1891.9
7.5°	1993.6	1961.3	1934.7	1905.8	1886.2	1871.1	1868.8
10°	2061.8	1999.4	1938.2	1886.2	1849.2	1821.4	1818.0
12.5°	2126.6	2031.8	1934.7	1849.2	1791.4	1752.1	1749.8
15°	2186.7	2049.1	1908.1	1782.1	1695.5	1643.5	1637.7
17.5°	2234.0	2038.7	1848.0	1688.5	1570.6	1509.4	1505.9
20°	2244.4	1997.1	1762.5	1573.0	1448.1	1383.4	1368.4
22.5°	2235.2	1922.0	1656.2	1445.8	1302.5	1237.8	1229.7
25°	2207.5	1830.7	1524.4	1297.9	1165.0	1099.1	1082.9
27.5°	2157.8	1723.2	1382.3	1154.6	1022.8	959.3	943.1
30°	2083.8	1593.8	1230.9	1020.5	884.1	833.3	817.1
32.5°	1980.9	1436.6	1081.8	883.0	769.7	729.3	722.3
35°	1838.8	1256.3	925.7	769.7	686.5	662.2	658.8
37.5°	1657.3	1076.0	795.1	688.8	628.7	613.7	611.4
40°	1420.4	891.1	702.7	631.0	587.1	574.4	572.1
42.5°	1176.5	752.4	634.5	584.8	549.0	537.4	533.9
45°	962.7	658.8	583.6	546.7	513.1	500.4	499.3
47.5°	803.2	604.4	542.0	512.0	478.5	463.4	464.6
50°	686.5	554.8	507.4	481.9	443.8	429.9	431.1
52.5°	606.8	505.1	475.0	446.1	413.8	399.9	399.9
55°	544.4	464.6	443.8	412.6	387.2	374.5	373.3
57.5°	493.5	432.2	413.8	388.3	362.9	347.9	347.9
60°	462.3	409.1	394.1	371.0	340.9	324.8	323.6
62.5°	443.8	402.2	389.5	357.1	323.6	307.4	304.0
65°	429.9	418.4	402.2	349.0	309.7	292.4	288.9
67.5°	431.1	456.5	433.4	353.7	305.1	279.7	275.1
70°	438.0	486.6	455.4	364.1	324.8	273.9	263.5
72.5°	403.4	440.3	410.3	346.7	316.7	263.5	250.8
75°	336.3	321.3	294.7	282.0	284.3	239.2	234.6
77.5°	272.8	239.2	213.8	224.2	239.2	204.6	199.9
80°	236.9	194.2	181.5	198.8	217.3	174.5	163.0
82.5°	221.9	164.1	156.0	206.9	227.7	150.2	131.8
85°	195.3	134.1	122.5	243.9	227.7	113.3	105.2
87.5°	130.6	79.7	76.3	179.1	156.0	78.6	63.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)