

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: P157463

Luminaire Tested: **VTS-F05-LED-E1-5WQ-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P157463  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33709)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: VTS-F05-LED-E1-5WQ-8030  
Description: VENTUS LED SITE LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE  
Light Source: (35) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

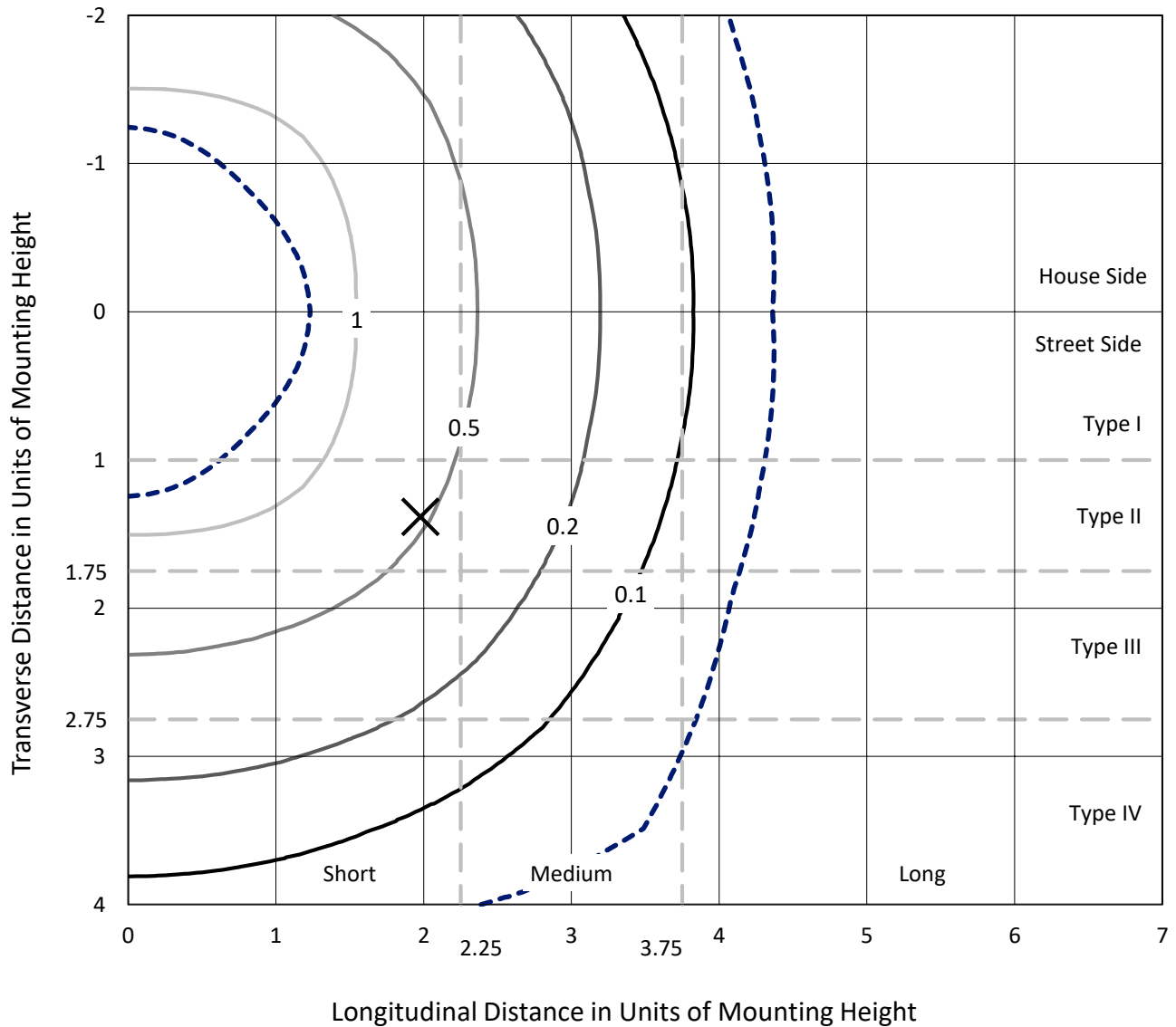
Lumens per Lamp: N/A  
Luminaire Lumens: 10999.7 lumens  
Efficiency: N/A  
Efficacy: 82.5 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B4 - U0 - G2

Input Watts (W): 133.3  
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

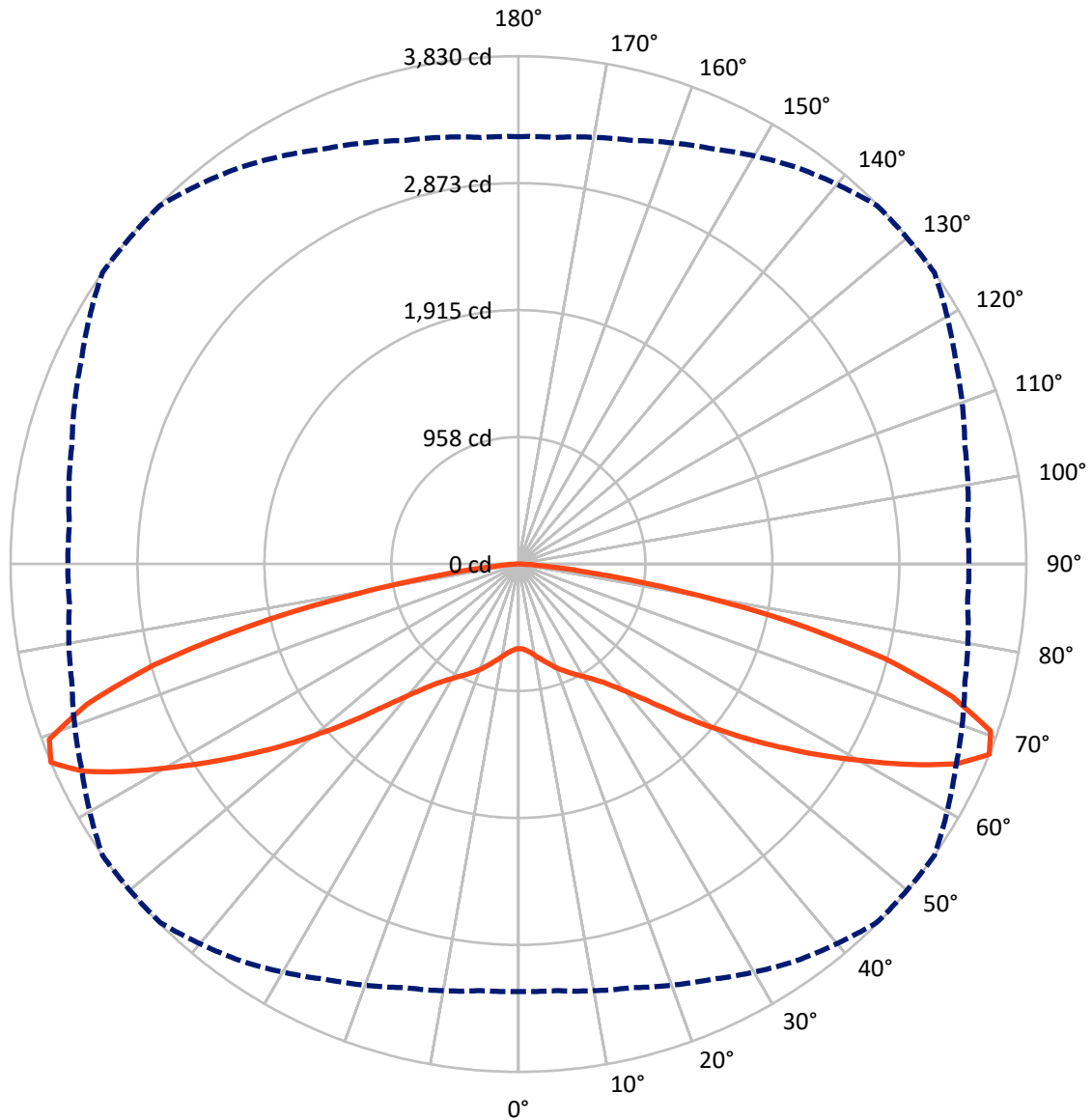
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.7 fc  
 Type V - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5499.9	0.0	5499.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5499.9	0.0	5499.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10999.7	0.0	10999.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.0	0.6
10°-20°	218.9	2.0
20°-30°	420.8	3.8
30°-40°	689.4	6.3
40°-50°	1198.4	10.9
50°-60°	2139.1	19.4
60°-70°	3302.7	30.0
70°-80°	2673.5	24.3
80°-90°	292.9	2.7
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°	10999.7	100.0
0°-180°	10999.7	100.0



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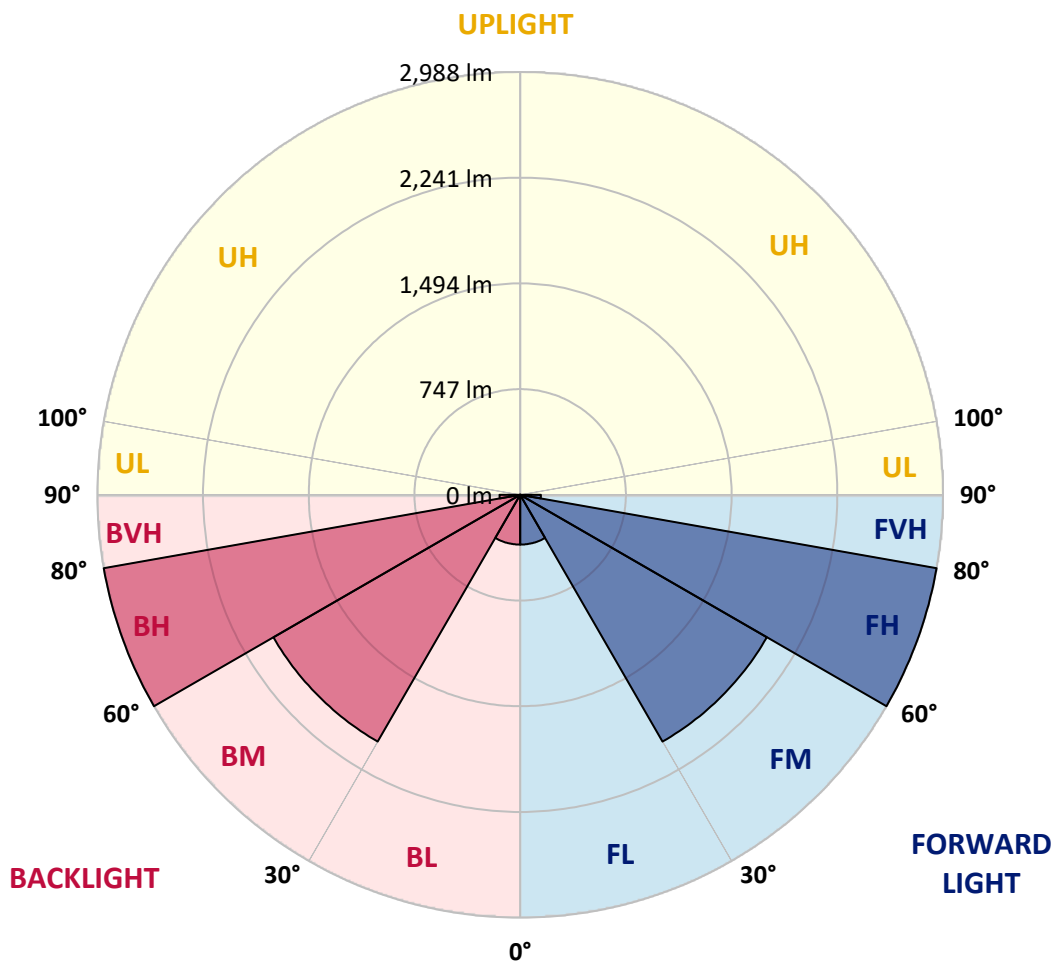
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	351.9	3.2			
FM	(30°-60°)	2013.5	18.3			
FH	(60°-80°)	2988.1	27.2			G2/5000
FVH	(80°-90°)	146.4	1.3			G2/225
BL	(0°-30°)	351.9	3.2	B1/500		
BM	(30°-60°)	2013.5	18.3	B2/2500		
BH	(60°-80°)	2988.1	27.2	B4/5000		G2/5000
BVH	(80°-90°)	146.4	1.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2	638.2
2.5°	642.4	643.1	642.4	642.4	641.7	641.7	641.7	642.4	642.4	643.8	643.1
5°	655.6	656.3	654.9	656.3	656.3	657.0	656.3	655.6	656.3	657.0	654.9
7.5°	674.4	675.8	675.1	675.8	676.5	675.8	675.8	675.1	676.5	675.8	674.4
10°	698.8	700.2	699.5	700.9	701.6	702.3	702.3	700.9	700.2	700.2	699.5
12.5°	728.1	728.1	728.1	730.2	731.6	733.0	732.3	730.9	728.8	729.5	726.7
15°	760.1	761.5	761.5	762.2	765.7	766.4	765.7	763.6	762.9	761.5	760.1
17.5°	795.7	796.4	797.1	797.8	801.9	804.0	801.2	797.8	797.8	797.1	797.1
20°	832.6	831.9	833.3	834.7	837.5	839.6	838.9	835.4	832.6	834.7	834.0
22.5°	866.7	867.4	868.1	870.2	875.1	875.8	873.7	870.9	867.4	868.1	868.1
25°	898.8	899.5	900.9	903.7	909.2	912.7	909.9	905.8	900.9	900.9	901.6
27.5°	931.5	932.2	932.9	937.8	944.8	949.0	946.9	939.9	934.3	932.9	930.8
30°	967.8	967.8	969.2	975.4	984.5	989.4	986.6	978.2	969.9	968.5	968.5
32.5°	1013.8	1011.0	1013.1	1021.4	1031.2	1036.7	1034.7	1024.9	1014.4	1012.4	1012.4
35°	1068.8	1067.4	1068.8	1078.5	1090.4	1098.8	1093.9	1084.8	1073.7	1071.6	1070.2
37.5°	1134.3	1135.0	1139.2	1150.3	1166.3	1176.8	1171.9	1157.3	1144.0	1144.0	1144.0
40°	1217.2	1218.6	1227.0	1243.7	1266.7	1275.7	1270.1	1252.0	1236.7	1231.1	1232.5
42.5°	1330.1	1329.4	1342.6	1363.5	1390.7	1403.9	1394.9	1375.4	1353.1	1344.0	1344.7
45°	1463.1	1472.9	1486.8	1513.3	1547.4	1570.4	1554.4	1532.8	1499.4	1486.1	1485.4
47.5°	1624.1	1634.5	1652.0	1695.9	1737.0	1764.8	1752.3	1716.8	1668.7	1649.9	1642.9
50°	1807.3	1820.6	1842.9	1899.3	1957.8	1989.2	1966.9	1920.2	1868.6	1840.1	1833.1
52.5°	2013.6	2017.7	2051.2	2119.5	2191.9	2230.3	2205.2	2149.4	2083.2	2056.8	2037.3
55°	2242.1	2245.6	2283.9	2361.2	2443.5	2488.7	2456.7	2386.3	2325.0	2279.0	2283.2
57.5°	2453.9	2464.4	2520.8	2611.4	2708.2	2763.3	2728.4	2653.9	2589.8	2537.5	2543.8
60°	2680.3	2691.5	2750.7	2858.7	2989.7	3062.8	3017.6	2937.4	2871.2	2821.8	2815.5
62.5°	2920.7	2927.0	2991.8	3088.6	3255.8	3373.6	3330.4	3241.9	3164.6	3115.8	3110.9
65°	3143.0	3151.3	3206.4	3312.3	3484.4	3656.5	3632.1	3509.5	3404.9	3334.6	3324.8
67.5°	3223.8	3229.4	3306.7	3455.1	3653.0	3823.0	3830.0	3637.0	3485.1	3399.4	3397.3
70°	3129.0	3133.2	3232.2	3408.4	3660.6	3802.1	3777.0	3583.3	3396.6	3291.4	3280.9
72.5°	2916.5	2917.2	3007.8	3157.6	3410.5	3526.2	3419.6	3313.0	3120.0	3041.3	3020.3
75°	2529.8	2530.5	2593.2	2692.9	2873.3	2979.9	2858.7	2761.2	2647.6	2600.9	2576.5
77.5°	1739.7	1750.2	1815.0	1930.0	2127.8	2245.6	2086.7	1909.8	1840.8	1801.1	1777.4
80°	837.5	853.5	928.1	1041.6	1248.6	1436.7	1240.9	1022.8	888.3	779.0	798.5
82.5°	223.7	226.4	290.5	417.3	581.8	682.8	554.6	388.1	244.6	164.4	150.5
85°	59.2	62.7	87.8	120.5	183.2	233.4	178.4	113.6	86.4	64.1	58.5
87.5°	16.0	18.8	30.7	36.9	46.0	36.9	46.0	39.7	38.3	20.2	14.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)