

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: P157484

Luminaire Tested: **VTS-F07-LED-E1-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157484
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-F07-LED-E1-5WQ-7030
Description: VENTUS LED SITE LUMINAIRE
(7) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (49) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16665.1 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G2

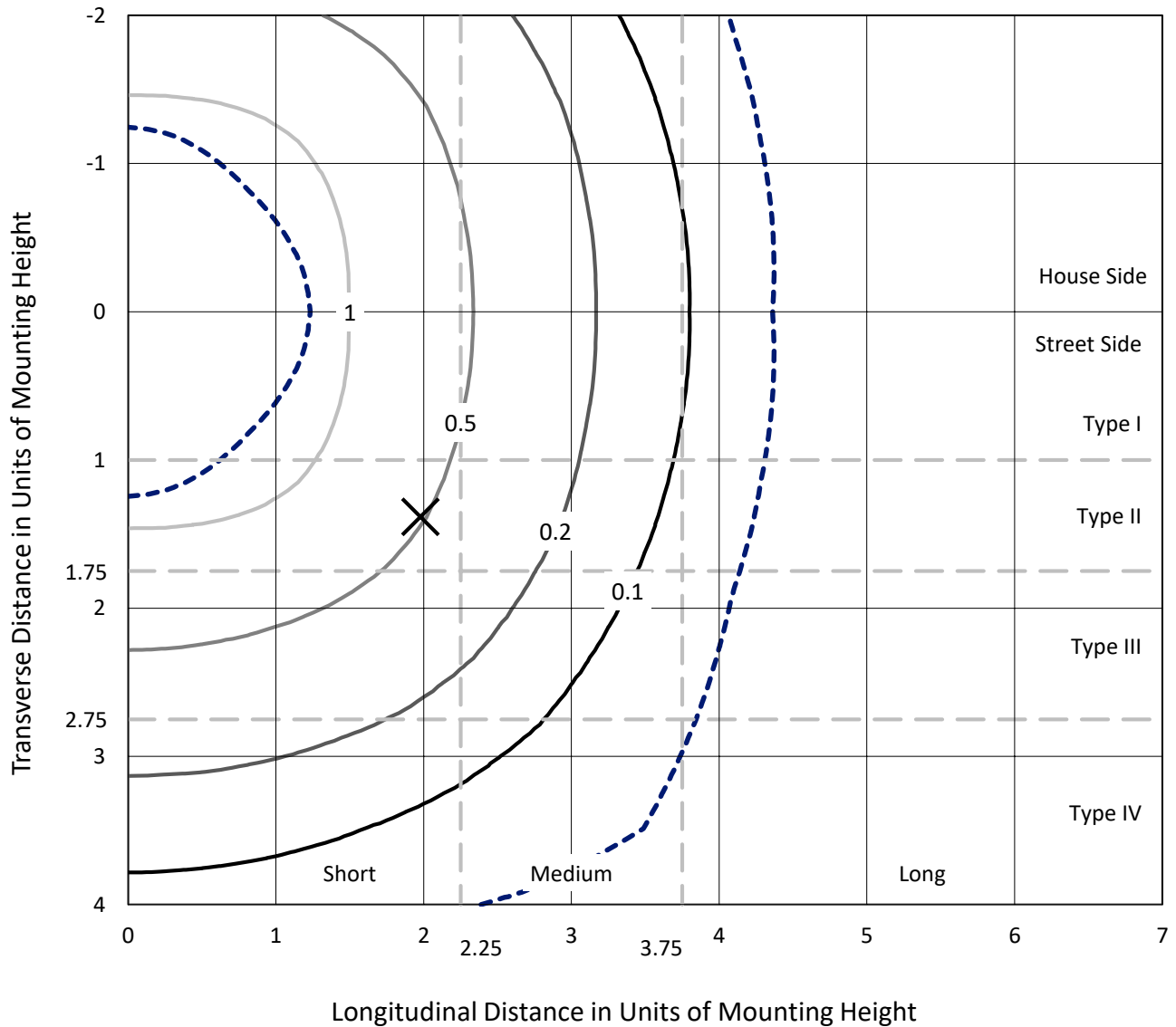
Input Watts (W): 180.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

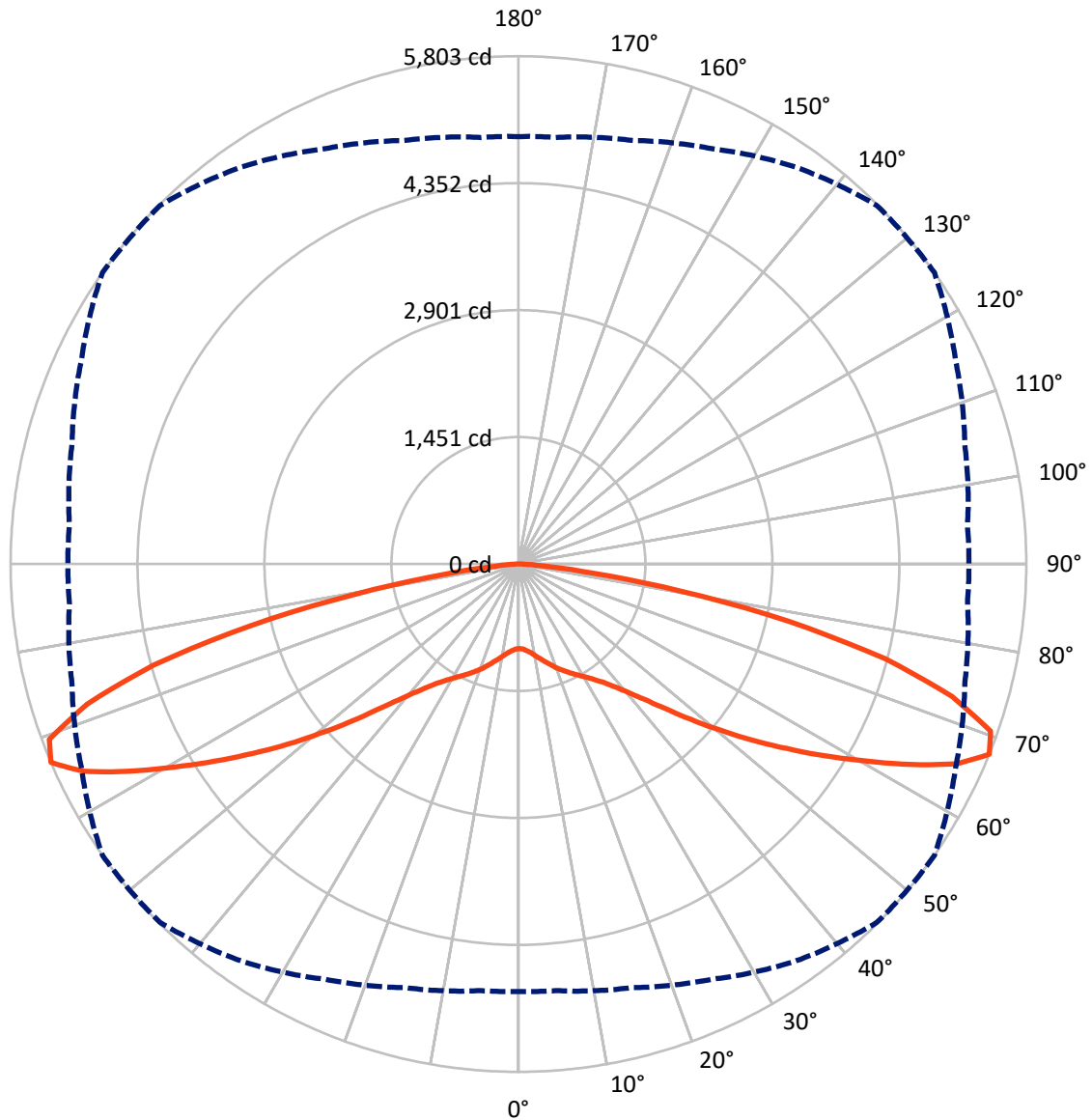
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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
House Side	Lumens	8332.6	0.0	8332.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8332.6	0.0	8332.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	16665.1	0.0	16665.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.0	0.6
10°-20°	331.6	2.0
20°-30°	637.6	3.8
30°-40°	1044.4	6.3
40°-50°	1815.7	10.9
50°-60°	3240.9	19.4
60°-70°	5003.7	30.0
70°-80°	4050.5	24.3
80°-90°	443.7	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°	16665.1	100.0
0°-180°	16665.1	100.0



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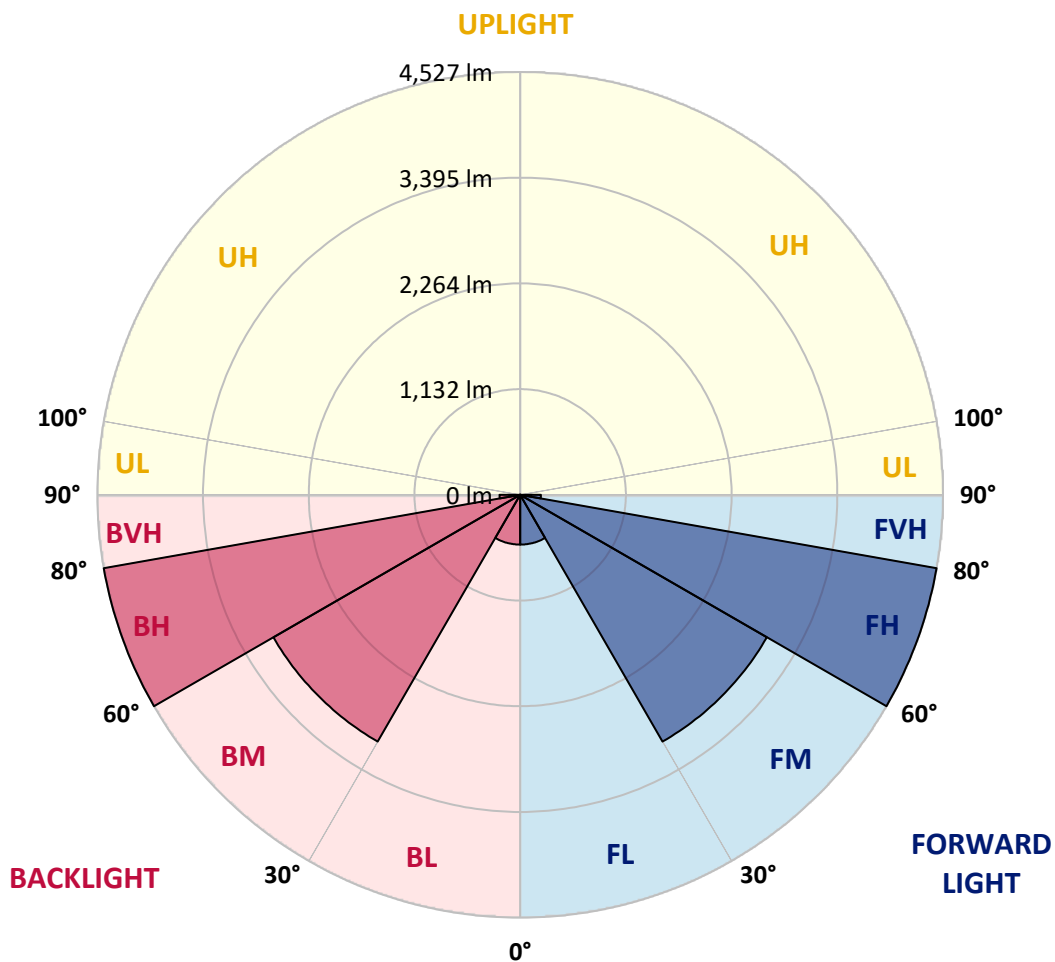
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	533.1	3.2			
FM	(30°-60°)	3050.5	18.3			
FH	(60°-80°)	4527.1	27.2			G2/5000
FVH	(80°-90°)	221.8	1.3			G2/225
BL	(0°-30°)	533.1	3.2	B2/1000		
BM	(30°-60°)	3050.5	18.3	B3/5000		
BH	(60°-80°)	4527.1	27.2	B4/5000		G2/5000
BVH	(80°-90°)	221.8	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°	966.9	966.9	966.9	966.9	966.9	966.9	966.9	966.9	966.9	966.9	966.9
2.5°	973.3	974.3	973.3	973.3	972.2	972.2	972.2	973.3	973.3	975.4	974.3
5°	993.3	994.4	992.3	994.4	994.4	995.4	994.4	993.3	994.4	995.4	992.3
7.5°	1021.8	1023.9	1022.9	1023.9	1025.0	1023.9	1023.9	1022.9	1025.0	1023.9	1021.8
10°	1058.8	1060.9	1059.8	1061.9	1063.0	1064.0	1064.0	1061.9	1060.9	1060.9	1059.8
12.5°	1103.1	1103.1	1103.1	1106.3	1108.4	1110.5	1109.4	1107.3	1104.1	1105.2	1101.0
15°	1151.6	1153.8	1153.8	1154.8	1160.1	1161.1	1160.1	1156.9	1155.9	1153.8	1151.6
17.5°	1205.5	1206.5	1207.6	1208.7	1215.0	1218.2	1213.9	1208.7	1208.7	1207.6	1207.6
20°	1261.4	1260.4	1262.5	1264.6	1268.8	1272.0	1270.9	1265.7	1261.4	1264.6	1263.5
22.5°	1313.2	1314.2	1315.3	1318.4	1325.8	1326.9	1323.7	1319.5	1314.2	1315.3	1315.3
25°	1361.7	1362.8	1364.9	1369.1	1377.5	1382.8	1378.6	1372.3	1364.9	1364.9	1365.9
27.5°	1411.3	1412.4	1413.4	1420.8	1431.4	1437.7	1434.5	1424.0	1415.5	1413.4	1410.3
30°	1466.2	1466.2	1468.3	1477.8	1491.5	1498.9	1494.7	1482.0	1469.4	1467.3	1467.3
32.5°	1535.9	1531.7	1534.8	1547.5	1562.3	1570.7	1567.6	1552.8	1536.9	1533.8	1533.8
35°	1619.3	1617.2	1619.3	1634.1	1652.0	1664.7	1657.3	1643.6	1626.7	1623.5	1621.4
37.5°	1718.5	1719.6	1725.9	1742.8	1767.1	1782.9	1775.5	1753.3	1733.3	1733.3	1733.3
40°	1844.1	1846.2	1858.9	1884.2	1919.1	1932.8	1924.3	1896.9	1873.7	1865.2	1867.3
42.5°	2015.1	2014.1	2034.1	2065.8	2107.0	2127.0	2113.3	2083.7	2050.0	2036.2	2037.3
45°	2216.7	2231.5	2252.6	2292.7	2344.5	2379.3	2355.0	2322.3	2271.6	2251.6	2250.5
47.5°	2460.6	2476.4	2502.8	2569.3	2631.6	2673.8	2654.8	2601.0	2528.1	2499.6	2489.1
50°	2738.2	2758.3	2792.0	2877.5	2966.2	3013.7	2979.9	2909.2	2831.1	2787.8	2777.3
52.5°	3050.7	3057.0	3107.7	3211.1	3320.9	3378.9	3340.9	3256.5	3156.2	3116.1	3086.5
55°	3396.9	3402.2	3460.2	3577.4	3702.0	3770.6	3722.0	3615.4	3522.5	3452.8	3459.2
57.5°	3717.8	3733.6	3819.1	3956.4	4103.1	4186.5	4133.7	4020.7	3923.6	3844.5	3854.0
60°	4060.9	4077.7	4167.5	4331.1	4529.5	4640.4	4571.8	4450.4	4350.1	4275.1	4265.6
62.5°	4425.0	4434.5	4532.7	4679.4	4932.8	5111.2	5045.7	4911.7	4794.5	4720.6	4713.2
65°	4761.8	4774.4	4857.8	5018.3	5279.0	5539.7	5502.8	5317.0	5158.7	5052.1	5037.3
67.5°	4884.2	4892.7	5009.8	5234.7	5534.5	5792.0	5802.6	5510.2	5280.1	5150.2	5147.1
70°	4740.7	4747.0	4896.9	5164.0	5546.1	5760.4	5722.4	5428.9	5146.0	4986.6	4970.8
72.5°	4418.7	4419.8	4557.0	4783.9	5167.1	5342.3	5180.8	5019.3	4726.9	4607.7	4576.0
75°	3832.9	3833.9	3928.9	4079.9	4353.3	4514.8	4331.1	4183.3	4011.2	3940.5	3903.6
77.5°	2635.8	2651.6	2749.8	2924.0	3223.8	3402.2	3161.5	2893.4	2788.9	2728.7	2692.8
80°	1268.8	1293.1	1406.0	1578.1	1891.6	2176.6	1880.0	1549.6	1345.9	1180.2	1209.7
82.5°	338.8	343.1	440.2	632.3	881.4	1034.5	840.3	588.0	370.5	249.1	228.0
85°	89.7	95.0	133.0	182.6	277.6	353.6	270.2	172.1	130.9	97.1	88.7
87.5°	24.3	28.5	46.4	55.9	69.7	55.9	69.7	60.2	58.1	30.6	22.2
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)