

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: P159051

Luminaire Tested: **VTS-E10-LED-E1-SLR-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P159051
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33715)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VTS-E10-LED-E1-SLR-7050
Description: VENTUS LED SITE LUMINAIRE
(10) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT
Light Source: (210) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

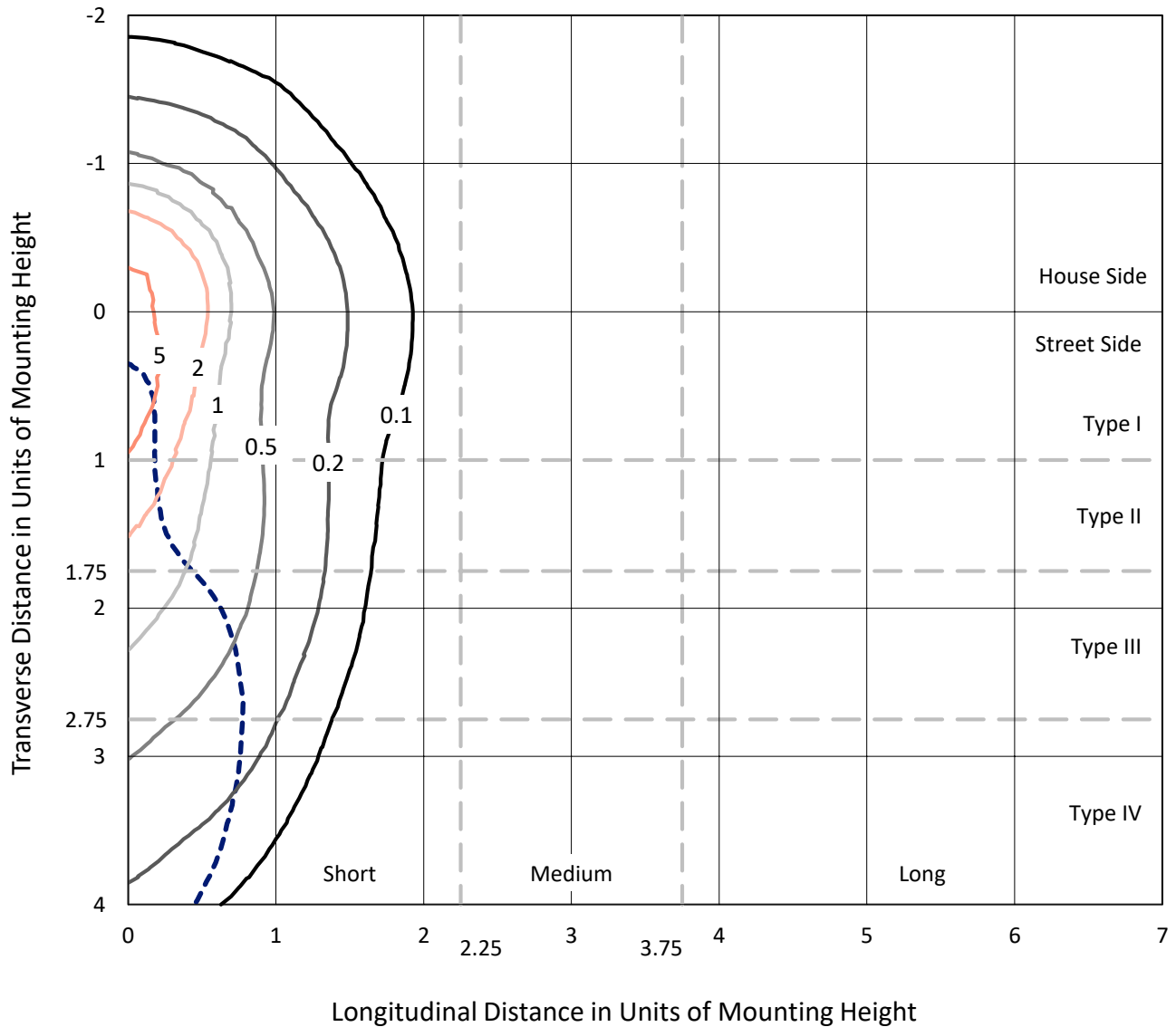
Lumens per Lamp: N/A
Luminaire Lumens: 27574.3 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Luminous Opening: Rectangular (W 1.67' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - U0 - G5

Input Watts (W): 247.7
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

REPORT NUMBER: P159051
 CATALOG NUMBER: VTS-E10-LED-E1-SLR-7050

Iso-Footcandle Lines of Horizontal Illumination

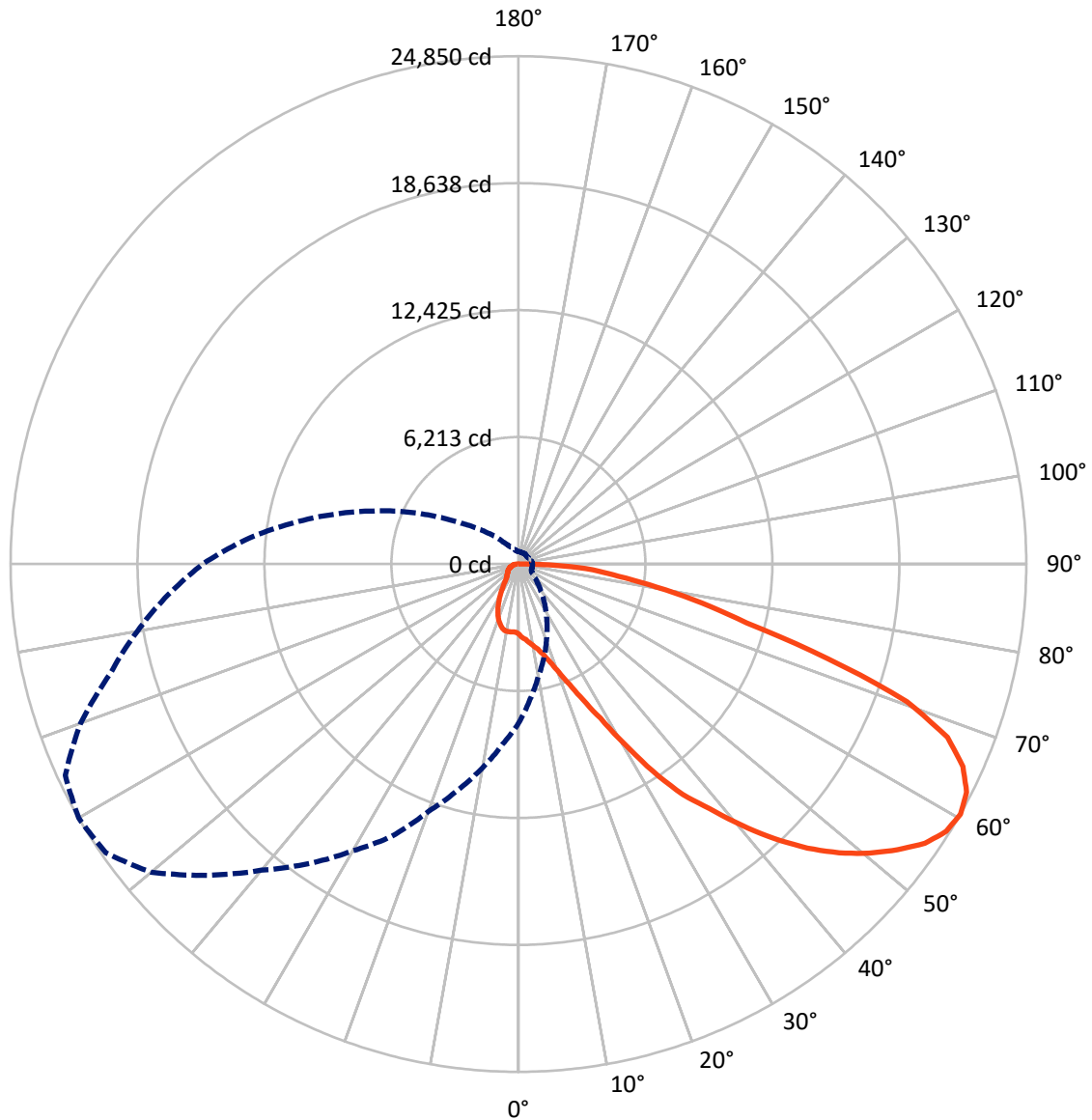
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P159051
CATALOG NUMBER: VTS-E10-LED-E1-SLR-7050

Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6208.9	0.0	6208.9
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	21365.5	0.0	21365.5
	% Fixture	77.5	0.0	77.5
Total	Lumens	27574.3	0.0	27574.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.3	1.2
10°-20°	1092.4	4.0
20°-30°	2072.9	7.5
30°-40°	3264.4	11.8
40°-50°	4556.3	16.5
50°-60°	5635.1	20.4
60°-70°	5841.0	21.2
70°-80°	3675.4	13.3
80°-90°	1098.7	4.0
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°	27574.3	100.0
0°-180°	27574.3	100.0



REPORT NUMBER: P159051

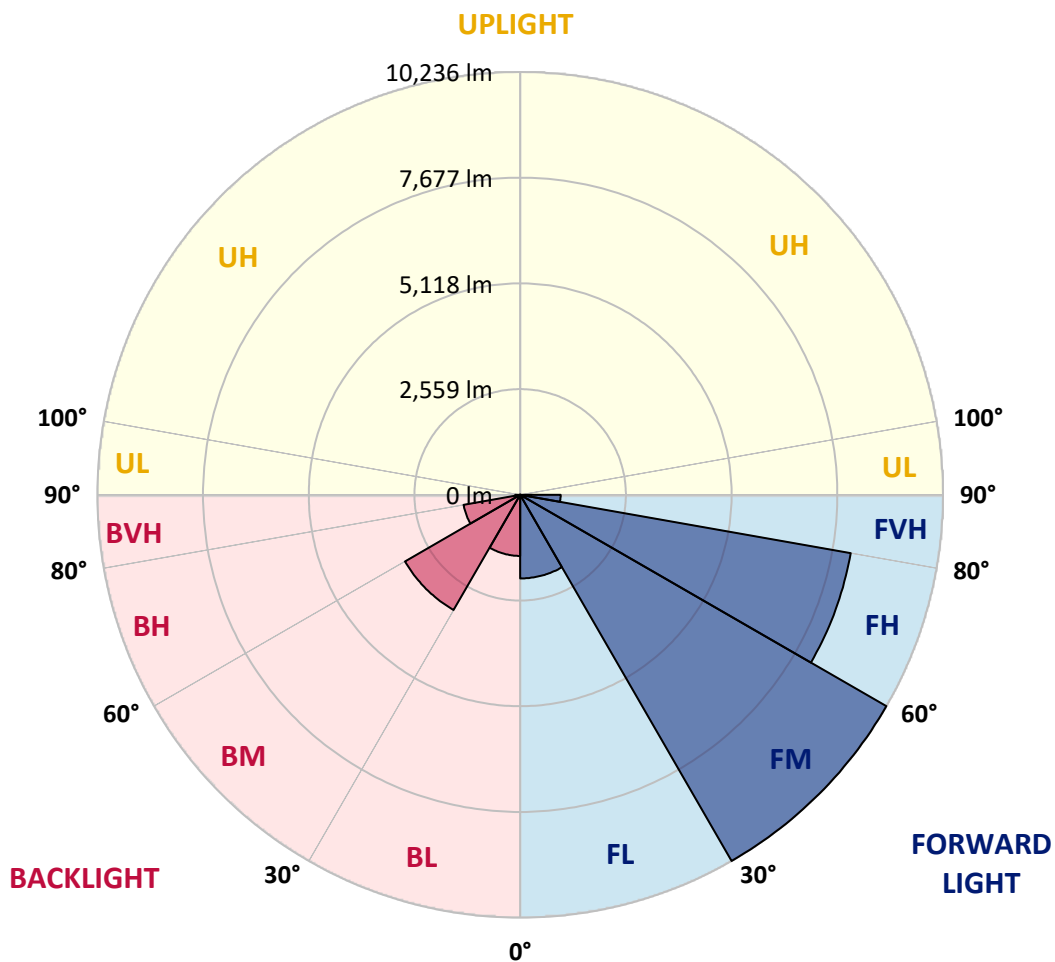
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2024.4	7.3			
FM	(30°-60°)	10236.0	37.1			
FH	(60°-80°)	8125.9	29.5			G4/12000
FVH	(80°-90°)	979.1	3.6			G5
BL	(0°-30°)	1479.2	5.4	B3/2500		
BM	(30°-60°)	3219.7	11.7	B3/5000		
BH	(60°-80°)	1390.5	5.0	B3/2500		G3/2500
BVH	(80°-90°)	119.5	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





NUMBER: P159051

NUMBER: VTS-E10-LED-E1-SLR-7050

DISTRIBUTION (continued):

330°	335°	340°	345°	350°	355°	360°
3429.2	3429.2	3429.2	3429.2	3429.2	3429.2	3429.2
3628.3	3622.2	3626.3	3628.3	3628.3	3628.3	3632.4
3712.4	3696.0	3689.9	3689.9	3687.8	3681.7	3679.6
3802.7	3774.0	3763.8	3751.4	3741.2	3735.0	3724.8
3964.9	3940.2	3888.9	3860.2	3833.5	3815.1	3798.6
4182.4	4147.5	4098.3	4061.3	4020.3	4008.0	3987.4
4519.0	4488.2	4445.1	4404.0	4379.4	4336.3	4305.5
5044.3	4982.8	4939.7	4886.3	4826.8	4738.6	4695.5
5735.9	5612.8	5526.6	5479.4	5360.4	5346.0	5241.3
6530.1	6493.2	6361.9	6304.4	6189.5	6144.3	5980.1
7718.4	7689.6	7420.8	7392.1	7215.6	7084.2	6829.8
9280.1	9044.1	8740.4	8529.0	8227.3	7888.7	7455.7
10644.8	10162.5	9698.7	9206.2	8789.6	8303.2	7812.8
11515.0	10868.5	10271.3	9766.5	9251.4	8672.6	8042.6
12278.4	11625.8	10975.2	10378.0	9754.2	9013.3	8235.5
13191.6	12543.1	11810.5	10971.1	10170.8	9263.7	8313.5
14127.4	13368.1	12452.8	11424.7	10419.1	9386.8	8299.1
15085.8	14115.1	12898.1	11726.3	10577.1	9405.3	8202.7
15863.6	14636.4	13228.6	11880.2	10609.9	9341.7	8081.6
16413.6	14970.9	13376.3	11933.6	10568.9	9241.1	7917.4
16727.6	15153.5	13413.3	11894.6	10484.7	9097.5	7738.9
16842.5	15208.9	13376.3	11814.6	10408.8	8943.5	7613.7
16830.2	15178.2	13240.9	11627.8	10205.6	8738.3	7459.8
16598.3	14892.9	12963.8	11404.1	10033.3	8643.9	7470.0
16204.3	14712.3	12881.7	11449.3	10123.6	8847.1	7794.3
16025.7	15073.5	13343.5	11900.8	10587.4	9427.9	8463.3
15925.2	15660.4	14004.3	12387.1	11137.3	10131.8	9261.6
15514.7	15828.7	14379.8	12664.2	11627.8	10837.7	10059.9
14851.9	15436.7	14094.6	12610.8	11898.7	11379.5	10347.2
13468.7	14086.4	12824.3	11824.8	11560.1	11387.7	9916.3
10911.6	11231.8	10513.5	10287.7	10386.2	10388.3	8317.6
8046.7	7853.8	7529.6	7546.0	8208.8	8106.2	5928.8
6569.1	5376.8	4917.1	5091.5	5910.4	5469.1	3724.8
6113.5	4796.0	3958.7	3999.8	4463.6	3523.6	2243.1
4943.8	4371.2	3505.2	3146.0	3053.7	2347.7	1522.7
2068.6	1902.4	1416.0	1276.5	1046.6	640.3	291.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)