

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: P887526

Luminaire Tested: **TT-D1-735-U-WQ-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887526
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/9/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D1-735-U-WQ-TC
Description: WQ
3500K, 70 CRI LEDS, WIDE DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3151 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 28
Input Voltage (V): 120.0
Input Current (Ain): 0.23
Voltage Rise (V): NR
Power Factor: 0.979
Total Harmonic Distortion (THDi): 13.3%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

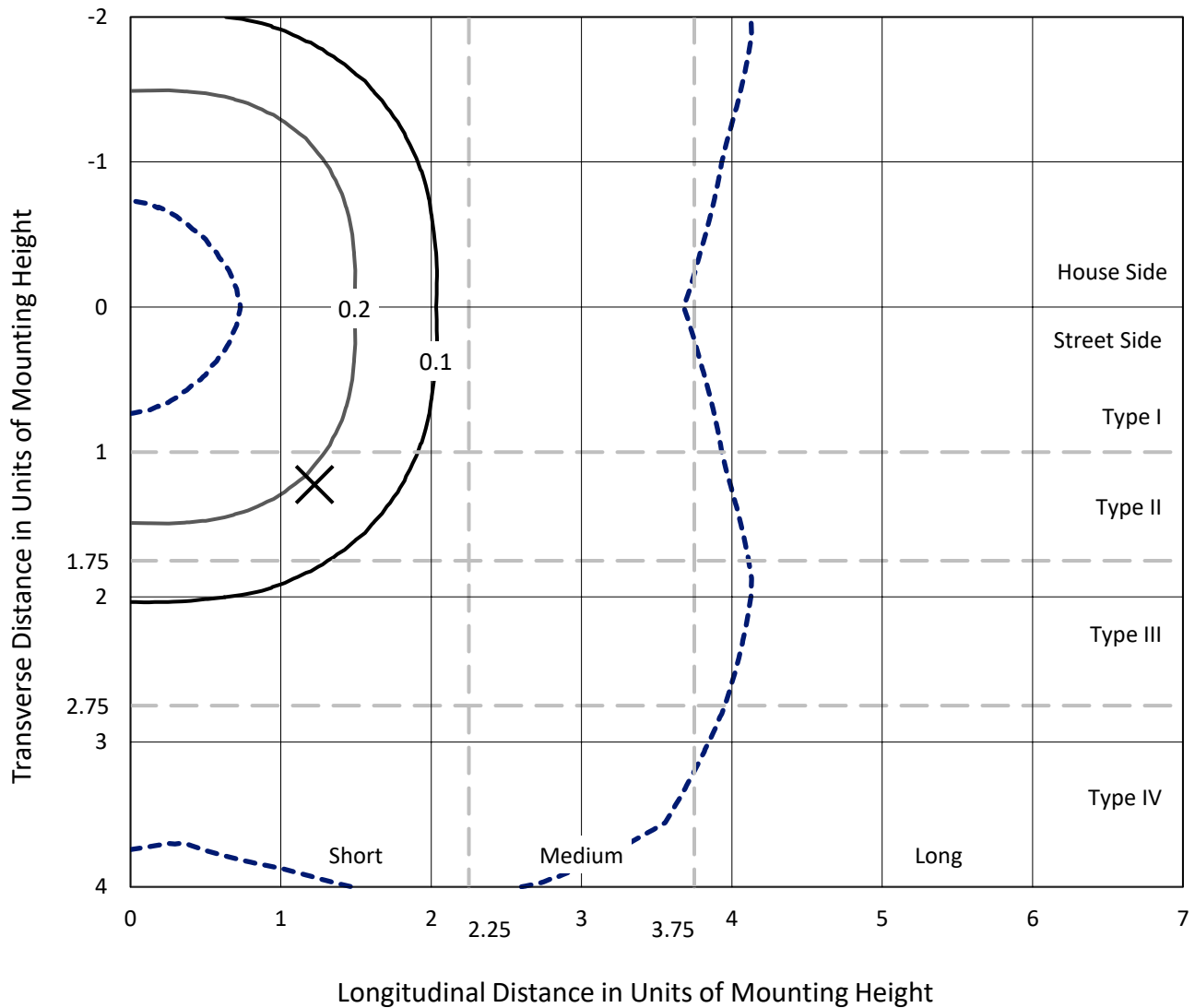


REPORT NUMBER: P887526

CATALOG NUMBER: TT-D1-735-U-WQ-TC

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

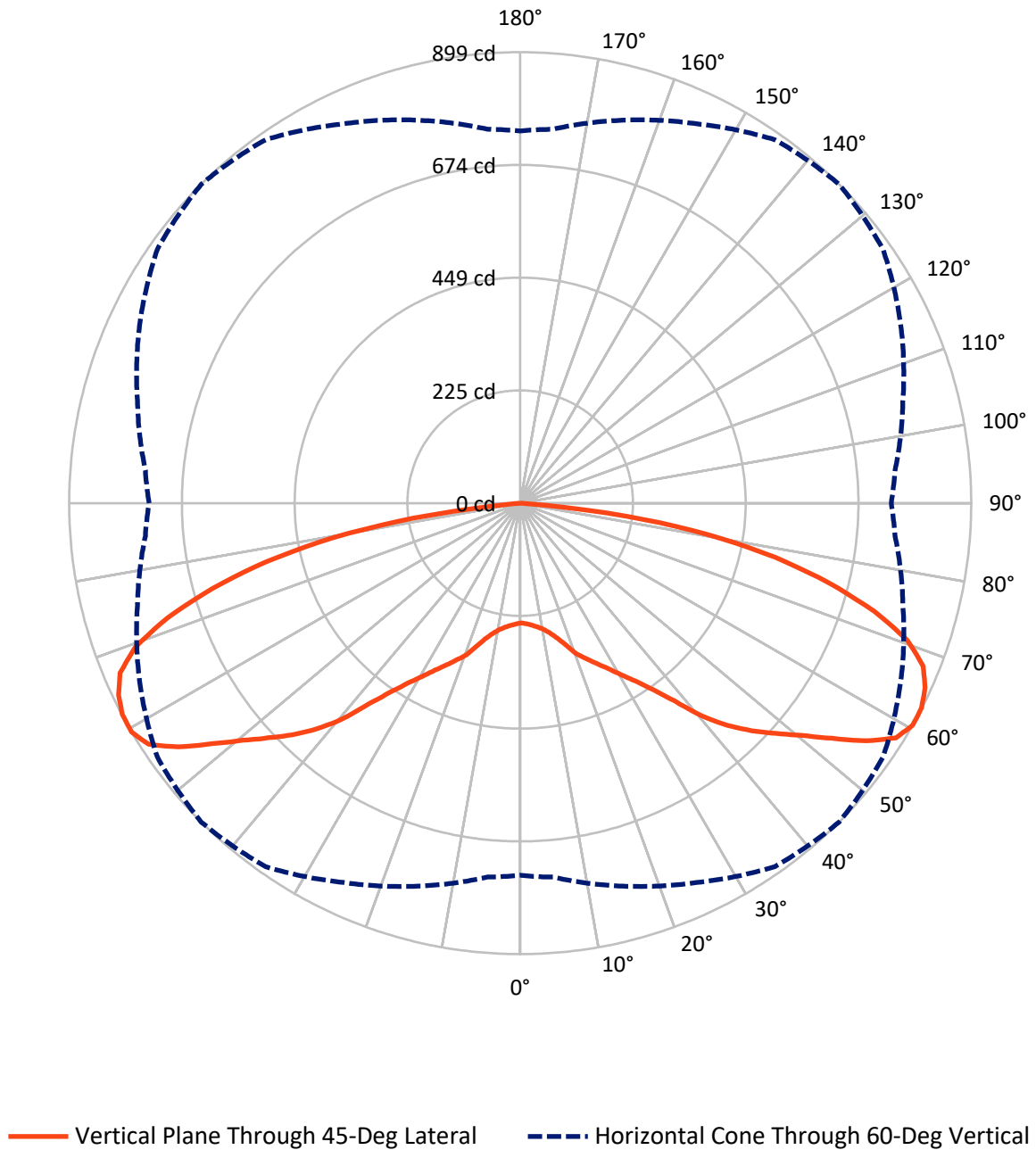


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - N/A

REPORT NUMBER: P887526

CATALOG NUMBER: TT-D1-735-U-WQ-TC

Luminous Intensity Polar Plot



REPORT NUMBER: P887526

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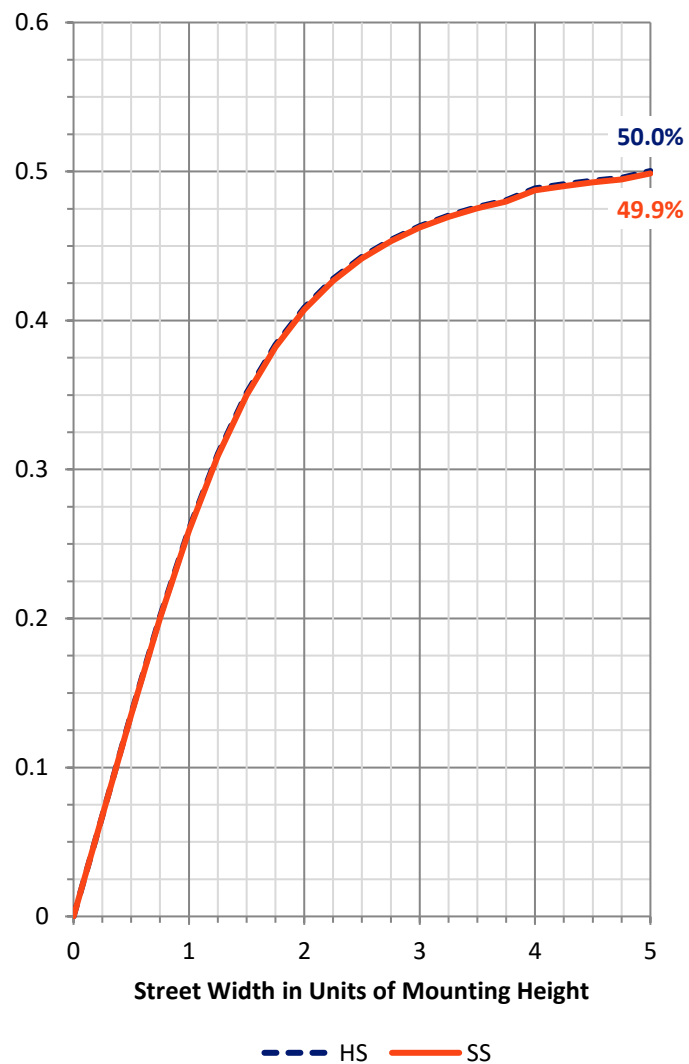
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1575.5	0.0	1575.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1575.5	0.0	1575.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3151.0	0.0	3151.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.7	0.8
10°-20°	80.7	2.6
20°-30°	163.9	5.2
30°-40°	285.9	9.1
40°-50°	477.4	15.2
50°-60°	691.7	22.0
60°-70°	787.2	25.0
70°-80°	560.2	17.8
80°-90°	80.1	2.5
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°	3151.0	100.0
0°-180°	3151.0	100.0

Coefficient of Utilization



REPORT NUMBER: P887526

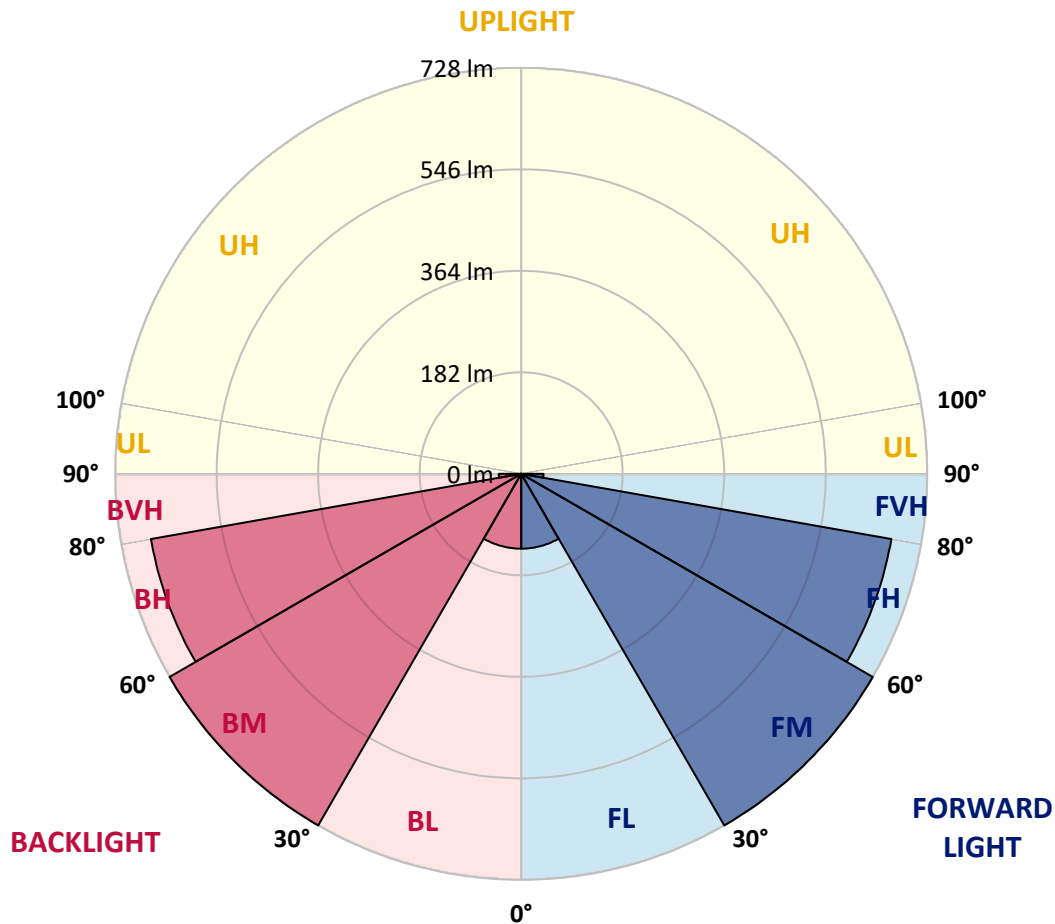
CATALOG NUMBER: TT-D1-735-U-WQ-TC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	134.2	4.3			
FM	(30°-60°)	727.5	23.1			
FH	(60°-80°)	673.7	21.4			G1/1800
FVH	(80°-90°)	40.1	1.3			G1/100
BL	(0°-30°)	134.2	4.3	B1/500		
BM	(30°-60°)	727.5	23.1	B1/1000		
BH	(60°-80°)	673.7	21.4	B2/1000		G1/1800
BVH	(80°-90°)	40.1	1.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



REPORT NUMBER: P887526

CATALOG NUMBER: TT-D1-735-U-WQ-TC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	238.5	238.5	238.5	238.5	238.5	238.5	238.5	238.5	238.5	238.5	238.5
2.5°	241.4	241.4	241.4	241.4	241.4	240.8	240.8	241.4	241.4	241.4	242.0
5°	244.3	244.9	244.3	244.9	244.3	244.3	244.3	244.9	244.9	244.9	244.9
7.5°	248.9	248.9	248.3	248.9	248.3	248.9	248.9	249.5	249.5	249.5	249.5
10°	256.4	256.4	256.4	256.4	255.8	255.8	256.4	257.0	257.6	257.6	257.6
12.5°	266.2	266.2	266.2	267.4	266.2	265.7	265.7	266.8	267.4	266.8	266.2
15°	277.8	277.8	278.4	279.5	279.5	279.5	278.9	278.9	279.5	278.4	277.8
17.5°	293.4	293.4	293.4	295.7	297.4	298.0	296.3	295.1	295.1	293.9	292.8
20°	313.6	314.2	314.2	316.5	319.4	320.5	318.8	316.5	315.9	314.2	313.6
22.5°	330.3	331.5	332.1	333.8	336.1	336.7	336.7	334.4	333.8	332.6	330.3
25°	346.5	347.7	348.2	351.7	354.0	354.0	354.6	351.7	350.5	348.8	346.5
27.5°	364.4	364.4	365.0	369.6	373.6	373.1	373.1	370.8	368.4	365.6	365.0
30°	383.5	384.6	384.6	390.4	395.0	396.7	394.4	392.1	388.7	385.8	384.0
32.5°	405.4	406.0	408.3	416.4	421.0	422.7	421.6	417.5	411.8	408.9	407.1
35°	430.2	430.8	436.6	447.6	454.5	456.2	456.2	448.1	440.6	434.3	431.4
37.5°	464.9	466.6	475.9	489.7	503.0	500.1	504.7	490.3	478.7	470.1	466.0
40°	508.2	509.9	523.8	539.4	557.3	557.9	559.6	540.0	524.9	514.0	509.4
42.5°	540.5	545.7	563.1	583.3	598.9	605.2	601.8	583.9	563.6	549.8	544.6
45°	574.6	579.8	600.6	623.1	639.9	646.8	641.0	623.7	602.3	584.4	578.1
47.5°	608.7	613.9	635.3	660.1	680.9	685.5	682.0	661.2	636.4	616.8	610.4
50°	642.2	648.5	669.3	700.5	723.6	727.1	724.8	701.1	669.9	649.7	645.6
52.5°	671.6	681.5	712.1	743.8	775.0	778.5	776.7	743.2	708.0	682.0	670.5
55°	707.4	713.8	745.6	797.5	823.5	836.2	827.6	794.1	746.7	717.3	708.6
57.5°	739.2	745.0	775.0	825.2	864.5	882.4	868.0	825.8	776.2	743.2	740.9
60°	741.5	747.9	790.0	833.9	884.2	898.6	882.4	836.8	789.4	749.6	739.2
62.5°	728.2	736.3	776.7	842.6	888.8	897.4	884.2	837.4	779.6	740.4	728.8
65°	726.5	730.0	765.2	833.9	869.1	886.5	869.7	831.0	768.7	731.1	721.3
67.5°	683.2	682.0	729.4	790.6	846.6	865.7	844.9	791.8	733.4	687.8	676.3
70°	626.0	623.1	669.9	737.5	793.5	818.3	792.3	739.8	675.7	627.7	619.1
72.5°	549.8	544.6	592.5	664.7	718.4	738.0	717.3	667.0	598.9	553.2	540.0
75°	451.0	444.1	497.2	566.5	615.6	636.4	612.7	573.5	505.9	459.1	441.2
77.5°	337.8	328.6	378.8	451.0	494.3	519.2	493.8	456.8	390.4	344.2	329.8
80°	217.1	205.0	245.4	317.6	355.2	379.4	350.5	320.5	256.4	218.3	207.9
82.5°	88.4	78.0	104.5	157.1	186.5	214.8	184.8	158.8	112.0	87.2	80.3
85°	6.4	3.5	5.2	6.4	5.2	9.8	4.0	5.2	4.6	4.6	4.6
87.5°	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0

(END OF REPORT)