

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: P528693

Luminaire Tested: **GALN-SA3D-740-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528693  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3D-740-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12046 lumens  
Efficiency: N/A  
Efficacy: 65.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

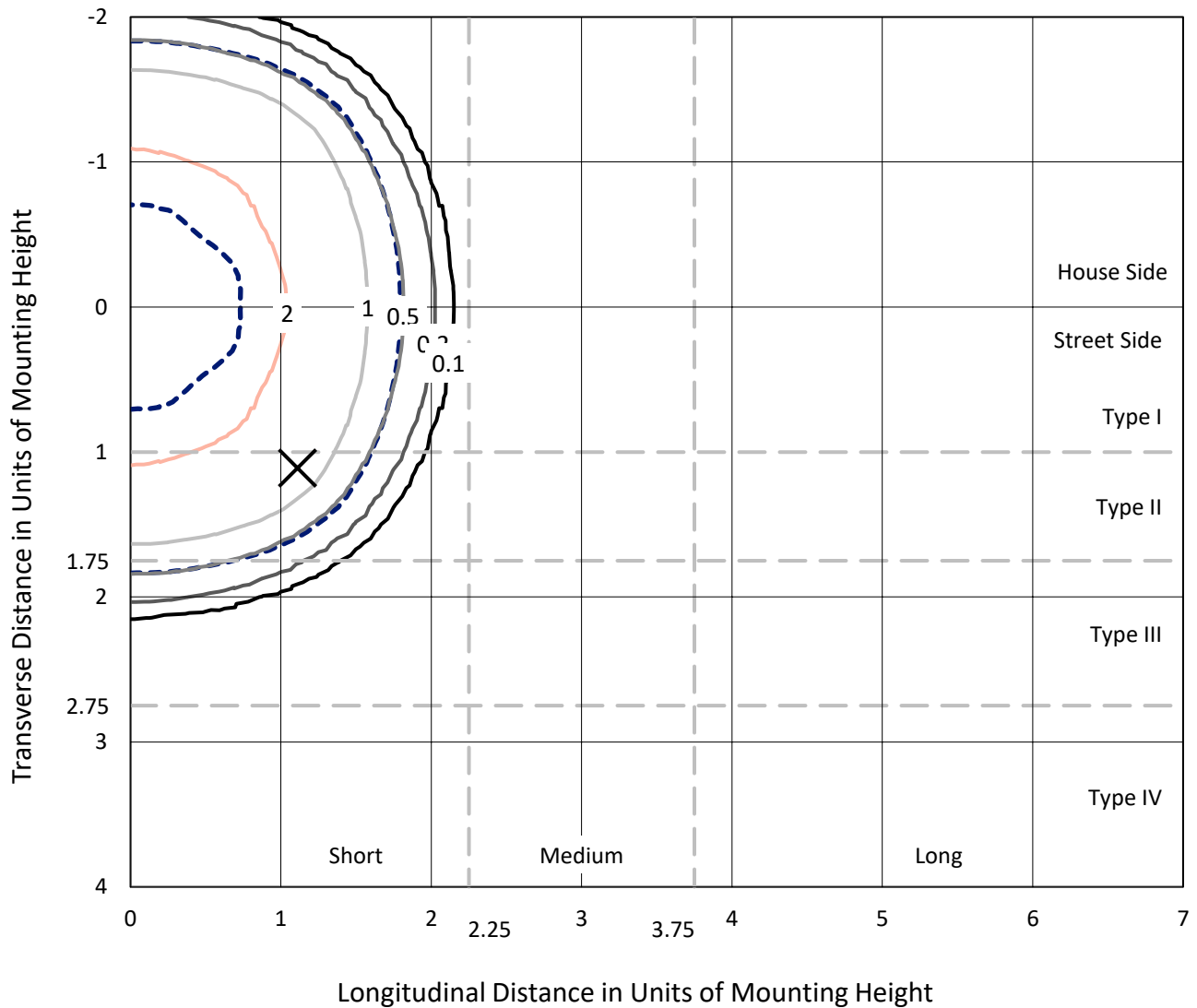
Input Watts (W): 184  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

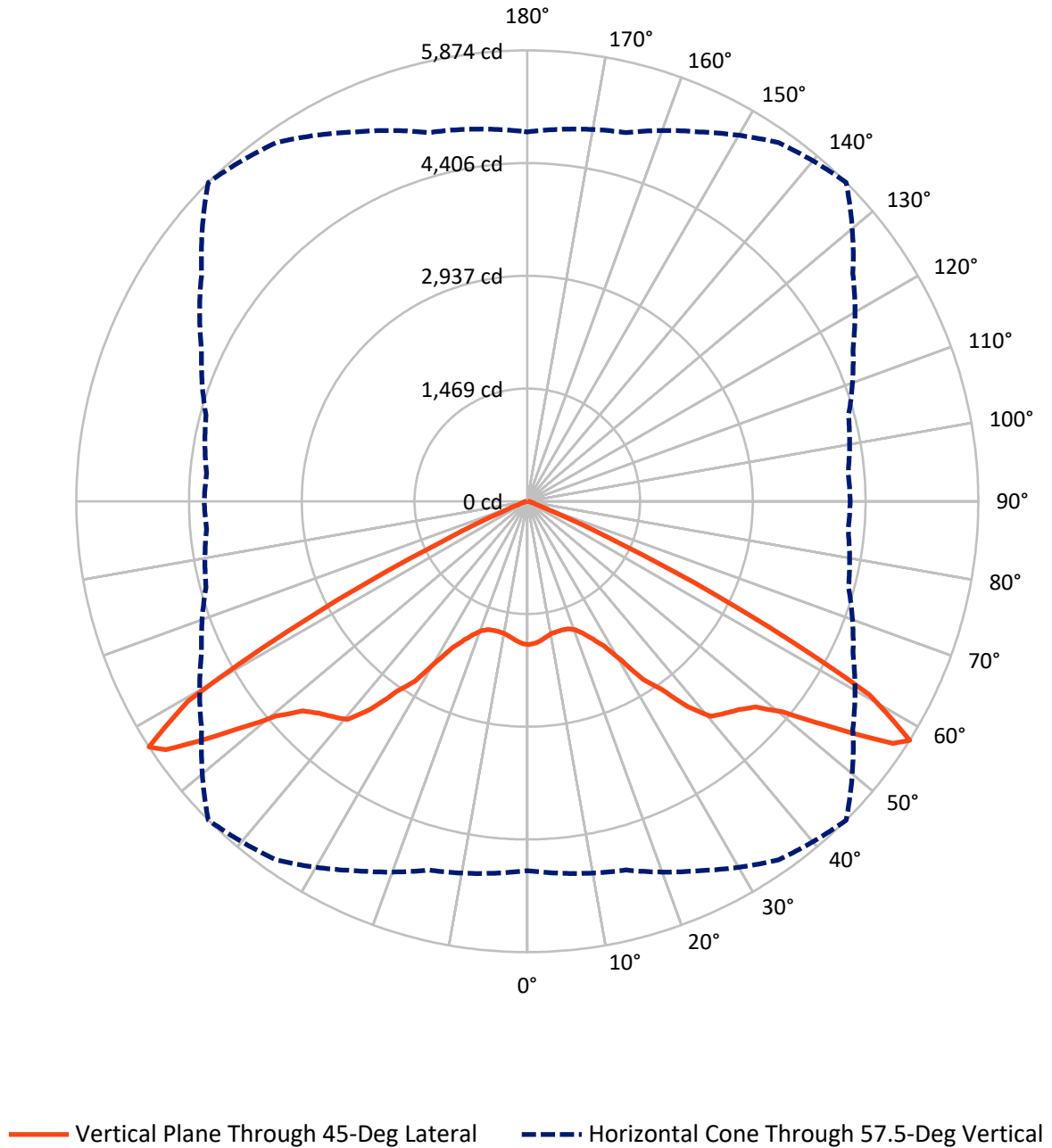
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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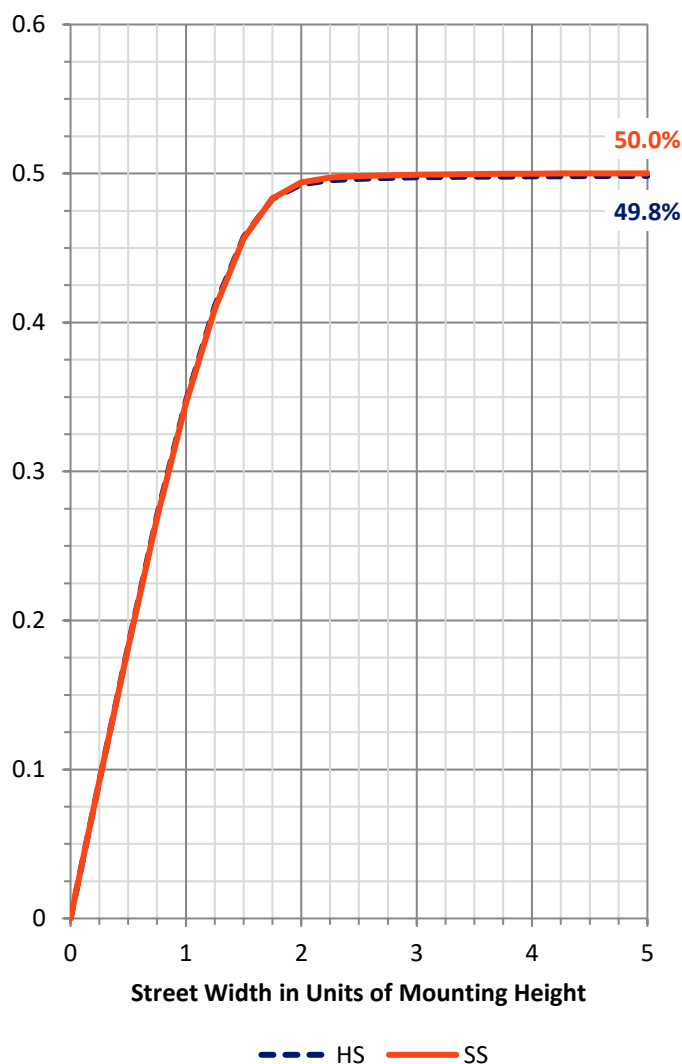
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6023.0	0.0	6023.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6023.0	0.0	6023.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12046.0	0.0	12046.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.7	1.4
10°-20°	496.3	4.1
20°-30°	916.1	7.6
30°-40°	1801.6	15.0
40°-50°	2934.3	24.4
50°-60°	4184.7	34.7
60°-70°	1448.9	12.0
70°-80°	77.7	0.6
80°-90°	14.6	0.1
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°	12046.0	100.0
0°-180°	12046.0	100.0

**Coefficient of Utilization**

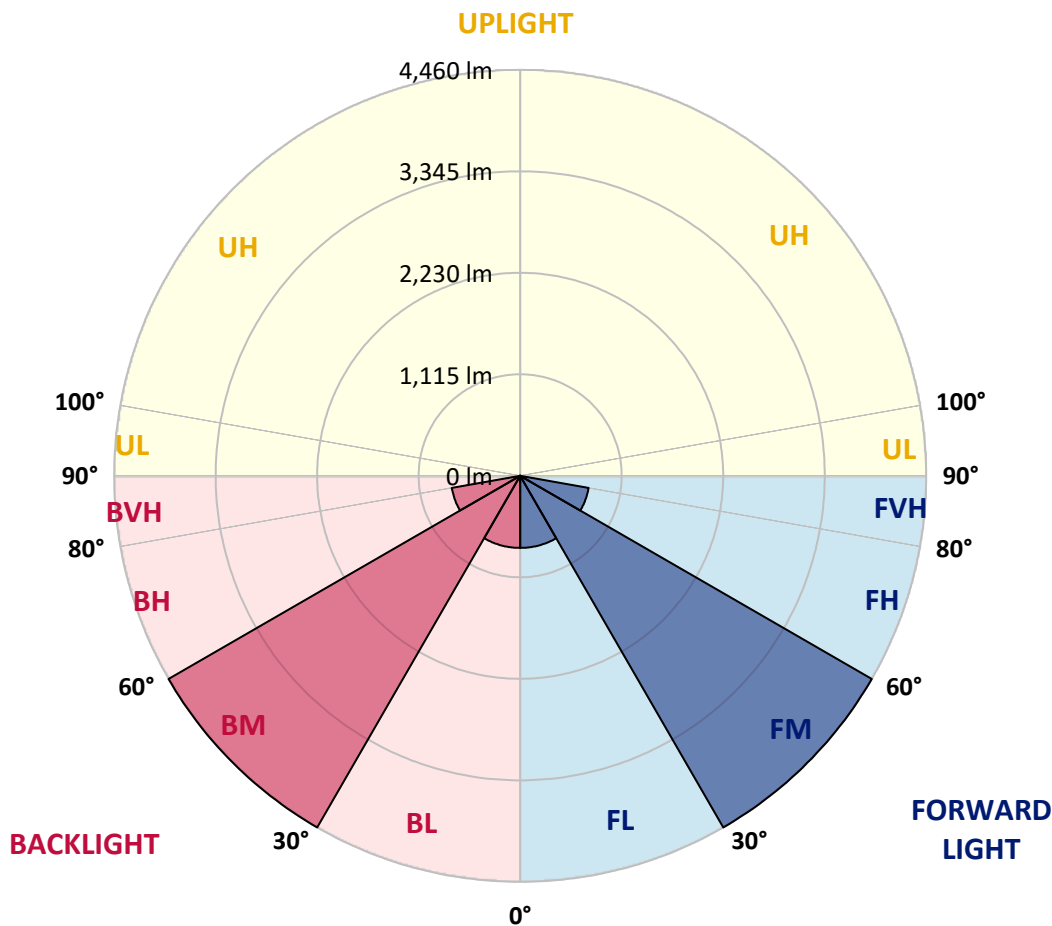


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	792.1	6.6			
FM (30°-60°)	4460.4	37.0			
FH (60°-80°)	763.3	6.3			G1/1800
FVH (80°-90°)	7.3	0.1			G0/10
BL (0°-30°)	792.1	6.6	B2/1000		
BM (30°-60°)	4460.4	37.0	B3/5000		
BH (60°-80°)	763.3	6.3	B2/1000		G1/1800
BVH (80°-90°)	7.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1868.5	1868.5	1868.5	1868.5	1868.5	1868.5	1868.5	1868.5	1868.5	1868.5	1868.5
2.5°	1863.4	1873.5	1860.9	1855.9	1853.4	1853.4	1845.9	1845.9	1843.3	1845.9	1835.8
5°	1833.3	1843.3	1843.3	1840.8	1825.8	1823.3	1815.7	1810.7	1813.2	1803.2	1810.7
7.5°	1803.2	1810.7	1800.7	1798.1	1793.1	1783.1	1780.6	1758.0	1760.5	1760.5	1765.5
10°	1798.1	1795.6	1780.6	1768.0	1752.9	1750.4	1742.9	1737.9	1737.9	1735.4	1742.9
12.5°	1798.1	1785.6	1783.1	1755.4	1730.3	1740.4	1720.3	1707.7	1725.3	1730.3	1740.4
15°	1795.6	1808.2	1765.5	1752.9	1735.4	1737.9	1720.3	1707.7	1717.8	1722.8	1730.3
17.5°	1810.7	1803.2	1790.6	1765.5	1758.0	1747.9	1725.3	1715.3	1715.3	1727.8	1730.3
20°	1850.9	1830.8	1805.7	1793.1	1800.7	1788.1	1760.5	1722.8	1732.8	1742.9	1750.4
22.5°	1888.6	1873.5	1855.9	1848.4	1891.1	1871.0	1823.3	1780.6	1765.5	1783.1	1795.6
25°	1961.4	1961.4	1928.7	1938.8	1986.5	1989.0	1933.8	1858.4	1848.4	1855.9	1860.9
27.5°	2109.6	2117.1	2089.5	2099.5	2119.6	2137.2	2089.5	2026.7	2004.1	2001.6	2009.1
30°	2270.3	2285.3	2282.8	2325.5	2383.3	2393.3	2323.0	2220.1	2152.2	2139.7	2149.7
32.5°	2481.2	2488.8	2483.7	2534.0	2689.7	2762.5	2579.2	2433.5	2343.1	2365.7	2343.1
35°	2878.0	2870.5	2815.2	2825.3	2953.4	3006.1	2830.3	2737.4	2694.7	2739.9	2729.9
37.5°	3219.6	3192.0	3146.7	3212.0	3345.1	3392.9	3209.5	3046.3	2968.4	3043.8	3076.4
40°	3508.4	3438.1	3375.3	3440.6	3618.9	3684.2	3415.5	3282.4	3252.2	3307.5	3377.8
42.5°	3752.0	3706.8	3623.9	3628.9	3747.0	3777.1	3561.1	3483.3	3453.1	3541.0	3576.2
45°	3925.3	3882.6	3804.7	3799.7	3890.1	3870.0	3676.6	3623.9	3641.5	3699.3	3716.8
47.5°	4013.2	4035.8	3990.6	4003.1	4050.8	4003.1	3849.9	3849.9	3809.8	3844.9	3827.3
50°	4266.8	4196.5	4254.3	4254.3	4304.5	4309.5	4156.3	4101.1	3993.1	3932.8	3932.8
52.5°	4563.2	4568.2	4590.8	4673.7	4759.0	4831.9	4613.4	4377.3	4196.5	4118.7	4108.6
55°	4806.8	4857.0	4947.4	5103.1	5349.2	5449.7	5073.0	4651.1	4430.1	4309.5	4284.4
56°	4939.9	4892.2	5047.9	5261.3	5582.8	5713.4	5148.3	4706.3	4462.7	4327.1	4324.6
57.5°	4811.8	4864.5	4972.5	5309.0	5703.3	5874.1	5175.9	4681.2	4332.1	4194.0	4206.5
60°	3799.7	3849.9	3995.6	4372.3	4990.1	5123.2	4379.8	3860.0	3548.6	3350.2	3352.7
62.5°	2149.7	2187.4	2300.4	2649.5	3033.7	3161.8	2729.9	2383.3	2167.3	2056.8	2021.7
65°	791.1	776.0	793.6	971.9	1208.0	1316.0	1135.1	959.3	846.3	806.2	791.1
67.5°	296.3	273.7	256.2	273.7	344.1	364.1	334.0	278.8	261.2	268.7	273.7
70°	183.3	173.3	138.1	130.6	128.1	125.6	133.1	140.6	160.7	188.4	193.4
72.5°	128.1	120.5	97.9	92.9	87.9	85.4	97.9	108.0	125.6	145.7	148.2
75°	50.2	52.7	50.2	55.3	57.8	60.3	70.3	77.9	85.4	85.4	82.9
77.5°	10.0	10.0	15.1	20.1	25.1	32.6	47.7	55.3	57.8	55.3	47.7
80°	0.0	0.0	5.0	10.0	20.1	27.6	42.7	47.7	52.7	47.7	37.7
82.5°	0.0	0.0	5.0	12.6	20.1	25.1	40.2	50.2	57.8	52.7	40.2
85°	0.0	0.0	5.0	10.0	15.1	17.6	17.6	12.6	12.6	7.5	5.0
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)