

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: P1212019

Luminaire Tested: **GKO-PB2C-827-U-T1**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1212019
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2C-827-U-T1
Description: GEKKO WALL PACK 8000LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (20) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

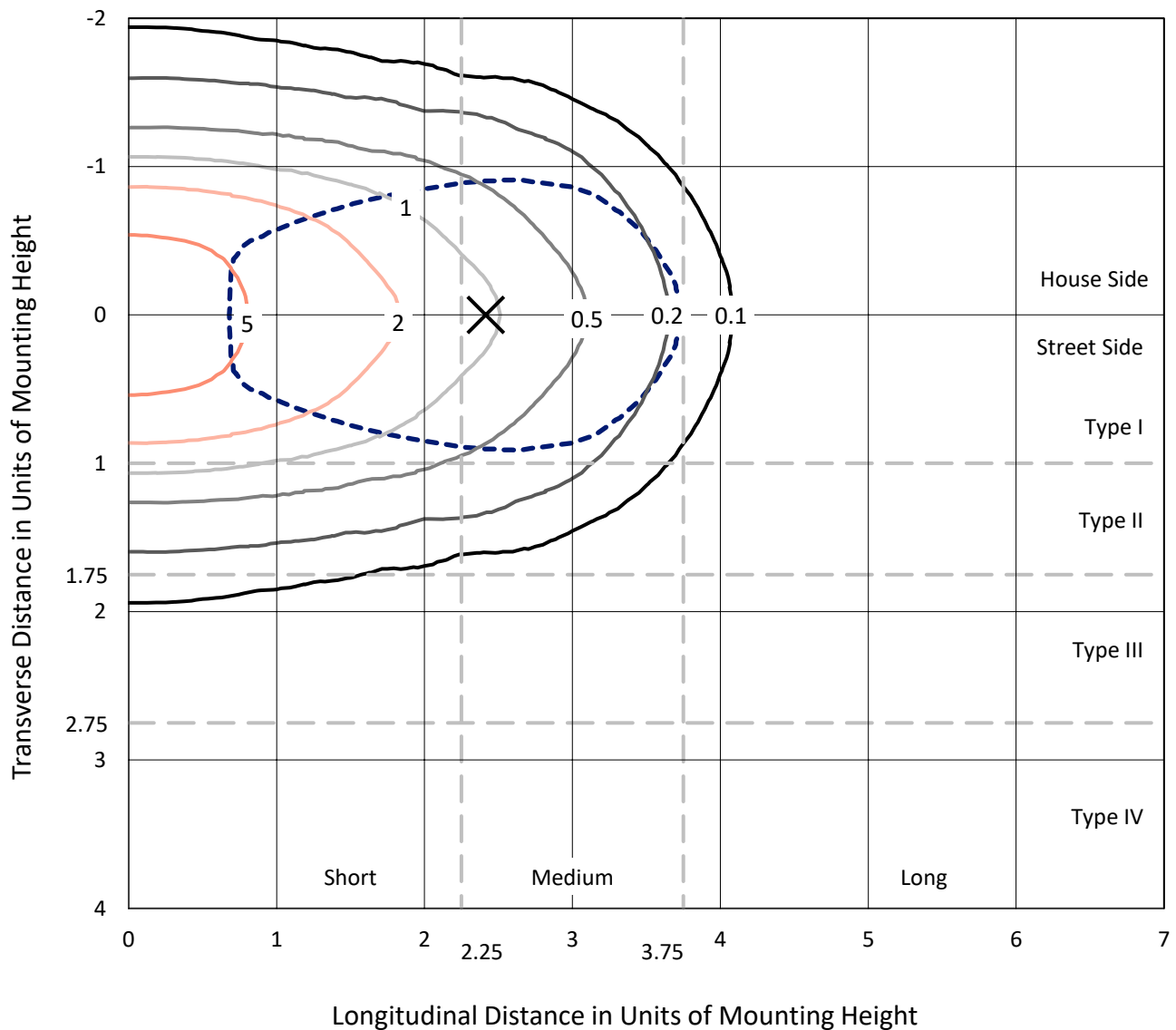
Lumens per Lamp: N/A
Luminaire Lumens: 7398.3 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 58.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 5%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

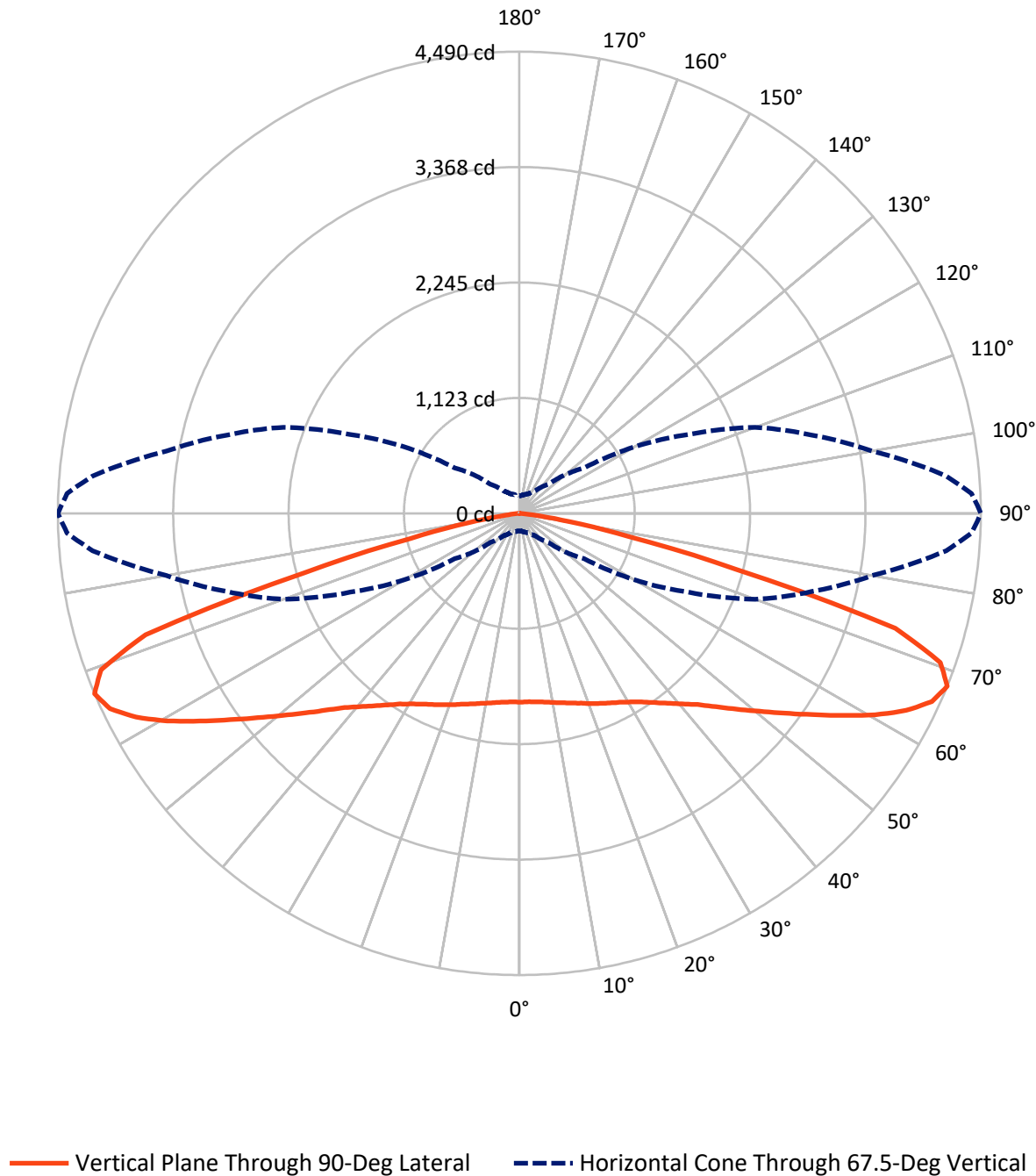
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3699.1	0.0	3699.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3699.1	0.0	3699.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	7398.3	0.0	7398.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.1	2.4
10°-20°	530.6	7.2
20°-30°	882.2	11.9
30°-40°	1172.0	15.8
40°-50°	1321.3	17.9
50°-60°	1358.7	18.4
60°-70°	1284.0	17.4
70°-80°	628.5	8.5
80°-90°	44.9	0.6
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°	7398.3	100.0
0°-180°	7398.3	100.0

Coefficient of Utilization



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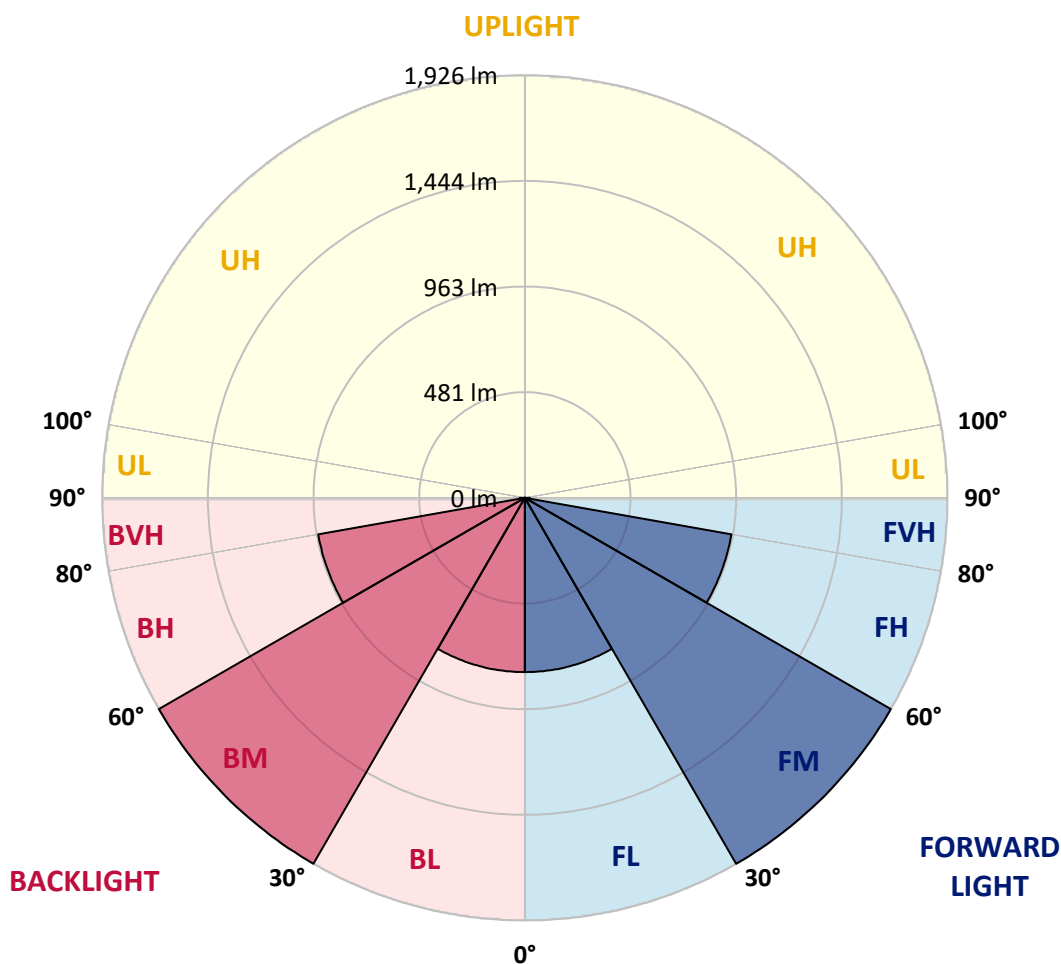
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	794.4	10.7			
FM	(30°-60°)	1926.0	26.0			
FH	(60°-80°)	956.3	12.9			G1/1800
FVH	(80°-90°)	22.5	0.3			G1/100
BL	(0°-30°)	794.4	10.7	B2/1000		
BM	(30°-60°)	1926.0	26.0	B2/2500		
BH	(60°-80°)	956.3	12.9	B2/1000		G2/1000
BVH	(80°-90°)	22.5	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	1835.8	1835.8	1835.8	1835.8	1835.8	1835.8	1835.8	1835.8	1835.8	1835.8	1835.8
2.5°	1837.2	1839.9	1834.5	1834.5	1837.2	1838.5	1838.5	1839.9	1837.2	1837.2	1835.8
5°	1837.2	1838.5	1835.8	1835.8	1838.5	1842.6	1841.3	1844.0	1844.0	1842.6	1842.6
7.5°	1835.8	1838.5	1835.8	1837.2	1841.3	1849.5	1849.5	1849.5	1852.2	1854.9	1854.9
10°	1834.5	1837.2	1838.5	1839.9	1845.4	1857.6	1860.4	1861.7	1865.8	1869.9	1869.9
12.5°	1827.6	1830.4	1834.5	1839.9	1849.5	1865.8	1871.3	1875.4	1882.2	1886.3	1889.0
15°	1818.1	1819.4	1829.0	1839.9	1854.9	1875.4	1886.3	1893.1	1902.6	1908.1	1912.2
17.5°	1804.4	1805.8	1820.8	1837.2	1859.0	1887.6	1905.4	1916.3	1925.8	1934.0	1939.5
20°	1786.7	1790.8	1808.5	1834.5	1865.8	1899.9	1925.8	1944.9	1954.5	1962.7	1970.8
22.5°	1764.9	1769.0	1790.8	1827.6	1872.6	1916.3	1950.4	1974.9	1987.2	1998.1	2007.7
25°	1732.2	1737.6	1763.5	1811.3	1875.4	1934.0	1977.7	2009.0	2019.9	2033.6	2041.8
27.5°	1681.7	1685.8	1717.2	1778.5	1867.2	1953.1	2009.0	2045.9	2058.1	2073.1	2081.3
30°	1602.6	1610.8	1649.0	1725.3	1846.7	1968.1	2045.9	2082.7	2097.7	2112.7	2123.6
32.5°	1500.3	1512.6	1554.9	1653.1	1807.2	1973.6	2085.4	2127.7	2146.8	2163.2	2176.8
35°	1373.5	1385.7	1436.2	1560.3	1744.4	1962.7	2125.0	2179.5	2202.7	2224.5	2240.9
37.5°	1228.9	1239.8	1301.2	1443.0	1654.4	1928.6	2156.3	2236.8	2268.2	2296.8	2318.6
40°	1082.9	1095.2	1162.0	1313.4	1545.3	1863.1	2170.0	2299.5	2339.1	2375.9	2403.2
42.5°	924.7	939.7	1014.7	1175.7	1418.5	1773.1	2159.1	2360.9	2410.0	2460.5	2501.4
45°	784.2	787.0	868.8	1024.3	1279.3	1657.1	2120.9	2419.6	2486.4	2557.3	2616.0
47.5°	649.2	654.7	725.6	879.7	1134.8	1526.2	2051.3	2465.9	2572.3	2663.7	2749.6
50°	529.2	536.0	600.1	737.9	990.2	1383.0	1957.2	2493.2	2646.0	2770.1	2890.1
52.5°	431.0	439.2	492.4	613.8	844.3	1233.0	1841.3	2497.3	2712.8	2876.5	3036.1
55°	358.7	364.2	405.1	501.9	703.8	1077.5	1709.0	2476.8	2756.4	2971.9	3184.7
57.5°	302.8	308.2	336.9	413.3	576.9	917.9	1548.0	2429.1	2779.6	3055.1	3334.7
60°	263.2	267.3	287.8	342.3	474.6	767.9	1374.8	2344.6	2772.8	3107.0	3458.9
62.5°	234.6	236.0	253.7	291.9	391.4	626.0	1179.8	2217.7	2716.9	3113.8	3543.4
65°	208.7	210.0	221.0	248.2	321.9	503.3	976.6	2043.1	2610.5	3066.1	3555.7
67.5°	169.1	171.9	188.2	208.7	264.6	398.3	769.2	1814.0	2444.1	2941.9	3486.1
70°	135.0	136.4	152.8	175.9	215.5	313.7	590.6	1505.7	2183.6	2740.1	3306.1
72.5°	100.9	103.7	118.7	141.8	175.9	242.8	426.9	1138.9	1745.8	2310.5	2879.2
75°	80.5	81.8	87.3	109.1	136.4	184.1	287.8	690.1	1051.6	1429.4	1764.9
77.5°	68.2	69.6	69.6	84.6	100.9	124.1	152.8	274.1	444.6	632.9	838.8
80°	55.9	58.6	53.2	62.7	72.3	72.3	70.9	130.9	210.0	297.3	390.1
82.5°	40.9	43.6	40.9	43.6	43.6	39.6	36.8	49.1	66.8	91.4	99.6
85°	28.6	30.0	32.7	30.0	28.6	23.2	17.7	13.6	8.2	9.5	13.6
87.5°	19.1	23.2	27.3	25.9	21.8	17.7	12.3	8.2	4.1	5.5	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°
0°	1835.8	1835.8	1835.8
2.5°	1837.2	1835.8	1834.5
5°	1844.0	1842.6	1841.3
7.5°	1853.5	1853.5	1853.5
10°	1868.5	1871.3	1871.3
12.5°	1887.6	1890.4	1890.4
15°	1910.8	1912.2	1914.9
17.5°	1939.5	1940.8	1940.8
20°	1973.6	1972.2	1974.9
22.5°	2007.7	2007.7	2007.7
25°	2043.1	2043.1	2043.1
27.5°	2084.0	2084.0	2081.3
30°	2129.1	2129.1	2129.1
32.5°	2183.6	2185.0	2186.3
35°	2253.2	2255.9	2260.0
37.5°	2332.3	2339.1	2343.2
40°	2426.4	2429.1	2435.9
42.5°	2531.4	2539.6	2541.0
45°	2662.3	2676.0	2681.4
47.5°	2816.5	2835.6	2845.1
50°	2988.3	3010.1	3023.8
52.5°	3175.2	3210.6	3227.0
55°	3374.3	3435.7	3453.4
57.5°	3599.3	3682.5	3707.1
60°	3820.3	3937.6	3977.1
62.5°	4008.5	4173.5	4222.6
65°	4140.8	4339.9	4412.2
67.5°	4168.1	4404.0	4490.0
70°	4004.4	4245.8	4345.4
72.5°	3482.0	3700.3	3824.4
75°	2056.8	2213.6	2175.4
77.5°	1032.5	1077.5	1084.3
80°	452.8	480.1	491.0
82.5°	111.8	114.6	129.6
85°	15.0	17.7	16.4
87.5°	5.5	5.5	6.8
90°	0.0	0.0	0.0

(END OF REPORT)