

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: FAIL-SAFE

Report Number: P735648

Luminaire Tested: **22APR-22-B2750-W2D-CP125-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735648
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P708781)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: 22APR-22-B2750-W2D-CP125-2700K
Description: 2X2 2200 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 2700K CCT, AND CP125 LENS

Light Source: -
Ballast/Driver: -

Summary

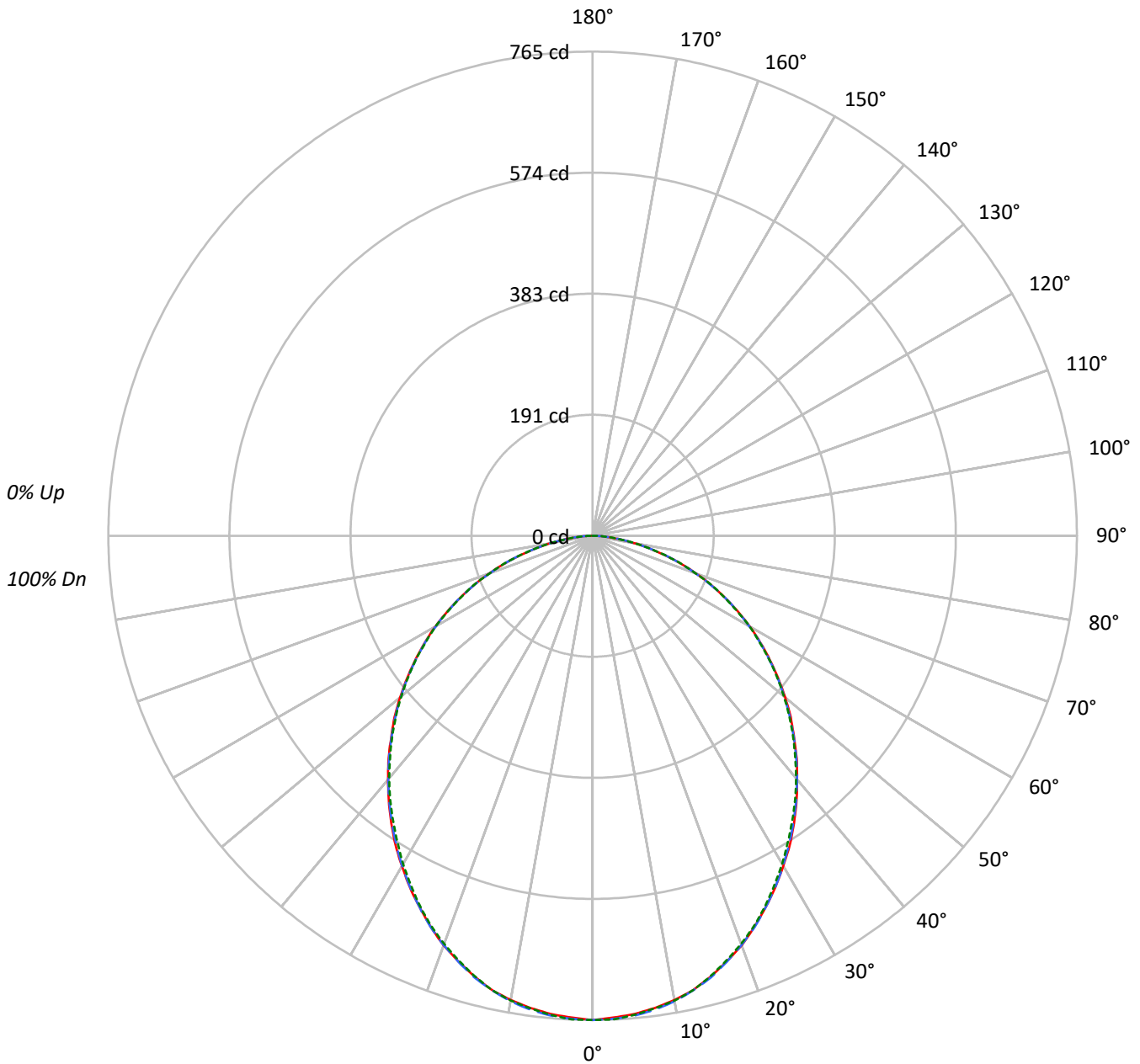
Lumens per Lamp: N/A
Luminaire Lumens: 1955.0 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84																			
2	99	91	85	79	97	89	83	78	86	81	76	83	78	74	80	76	73	71																			
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	71	66	62	60																			
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51																			
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	58	49	43	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2059	2059	2059
5°	2049	2056	2053
10°	2035	2041	2038
15°	2008	2013	2007
20°	1972	1970	1964
25°	1922	1922	1916
30°	1872	1870	1860
35°	1821	1816	1805
40°	1766	1764	1756
45°	1712	1709	1703
50°	1662	1655	1651
55°	1604	1597	1597
60°	1544	1539	1542
65°	1464	1467	1457
70°	1368	1360	1360
75°	1220	1226	1226
80°	1032	1032	1040
85°	781	781	800



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.2	3.7
10°-20°	203.3	10.4
20°-30°	298.1	15.2
30°-40°	345.9	17.7
40°-50°	346.8	17.7
50°-60°	305.0	15.6
60°-70°	227.6	11.6
70°-80°	125.2	6.4
80°-90°	31.0	1.6
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°-30°	573.6	29.3
0°-40°	919.5	47.0
0°-60°	1571.2	80.4
0°-90°	1955.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1955.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	765	765	765	765	765	
5°	758	761	761	761	760	72
15°	721	724	722	721	720	203
25°	647	650	647	647	645	298
35°	554	555	553	551	550	347
45°	450	451	449	449	448	348
55°	342	342	340	341	340	306
65°	230	230	230	229	229	228
75°	117	118	118	117	118	125
85°	25	26	25	25	26	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	765.2	765.2	765.2	765.2	765.2
2.5°	762.0	764.7	764.1	765.8	764.7
5°	758.4	761.0	761.0	761.0	759.9
7.5°	752.5	755.2	755.2	755.2	753.1
10°	744.7	747.3	746.8	746.8	745.7
12.5°	735.1	736.7	735.6	735.6	735.1
15°	720.9	724.0	722.4	721.3	720.3
17.5°	705.0	708.2	705.5	705.0	703.4
20°	688.6	690.7	688.1	688.1	686.0
22.5°	668.5	670.6	669.0	668.0	666.9
25°	647.4	650.0	647.4	646.8	645.3
27.5°	625.7	627.8	625.1	623.0	622.0
30°	602.5	604.0	601.9	600.4	598.7
32.5°	579.7	579.7	577.6	576.0	573.9
35°	554.4	554.9	552.8	551.2	549.6
37.5°	529.0	530.1	528.0	526.4	525.3
40°	502.6	503.6	502.1	500.4	500.0
42.5°	477.2	477.2	476.2	474.6	473.5
45°	449.8	451.3	449.2	448.7	447.6
47.5°	424.4	424.4	422.3	421.2	421.2
50°	396.9	397.9	395.3	394.7	394.3
52.5°	369.4	368.9	368.3	367.8	367.3
55°	341.9	342.4	340.3	340.9	340.3
57.5°	314.4	313.9	313.4	312.9	312.3
60°	286.9	286.5	285.9	285.4	286.5
62.5°	258.4	258.9	257.4	258.9	256.8
65°	229.9	229.9	230.4	229.3	228.9
67.5°	202.4	202.4	201.3	201.3	203.4
70°	173.9	174.4	172.8	174.9	172.8
72.5°	145.8	146.4	145.8	145.3	146.4
75°	117.3	117.9	117.9	116.8	117.9
77.5°	91.4	92.0	91.4	90.9	91.4
80°	66.6	67.1	66.6	66.0	67.1
82.5°	44.3	44.9	44.3	44.3	44.9
85°	25.3	25.9	25.3	25.3	25.9
87.5°	10.1	10.6	10.6	10.6	10.6
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)