

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: P735660

Luminaire Tested: **22APR-30-B2750-W2D-3500K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P735660
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-30-B2750-W2D-3500K
Description: 2X2 3000 AMBIENT LUMEN OUTPUT APR TROFFER WITH BIO UP LEDS AT 3500K CCT

Light Source: -
Ballast/Driver: -

Summary

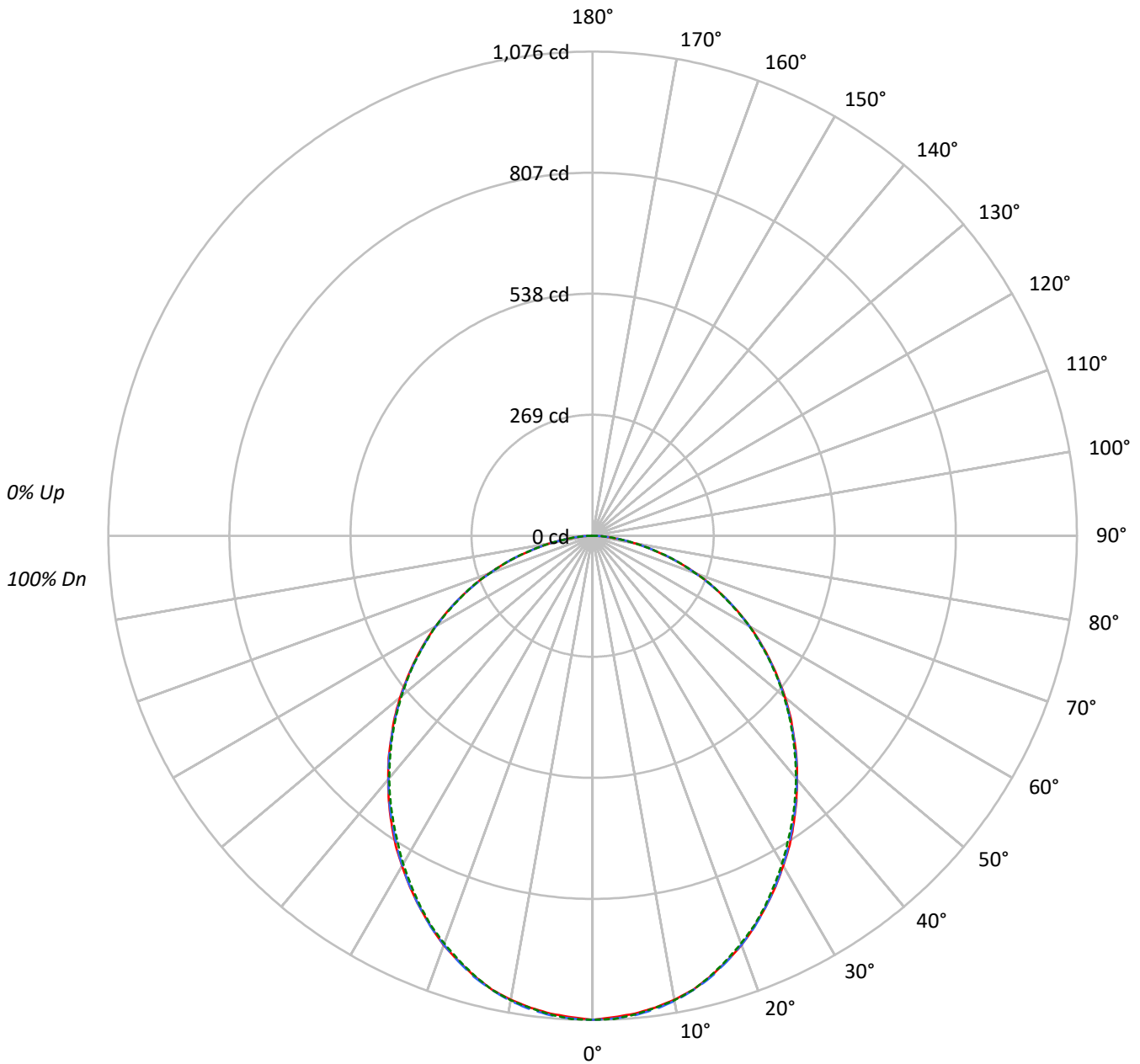
Lumens per Lamp: N/A
Luminaire Lumens: 2748.0 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.17 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33
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

TEST NUMBER: P735660

CATALOG NUMBER: 22APR-30-B2750-W2D-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P735660

CATALOG NUMBER: 22APR-30-B2750-W2D-3500K

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°	2894	2894	2894
5°	2880	2890	2885
10°	2860	2868	2864
15°	2823	2829	2821
20°	2772	2769	2761
25°	2702	2702	2693
30°	2631	2629	2615
35°	2560	2553	2538
40°	2482	2479	2469
45°	2406	2403	2394
50°	2336	2326	2320
55°	2255	2244	2244
60°	2171	2163	2167
65°	2057	2062	2048
70°	1924	1911	1911
75°	1714	1723	1723
80°	1450	1450	1461
85°	1099	1099	1124



TEST NUMBER: P735660

CATALOG NUMBER: 22APR-30-B2750-W2D-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.4	3.7
10°-20°	285.8	10.4
20°-30°	419.1	15.2
30°-40°	486.1	17.7
40°-50°	487.4	17.7
50°-60°	428.7	15.6
60°-70°	319.9	11.6
70°-80°	176.0	6.4
80°-90°	43.6	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°	806.3	29.3
0°-40°	1292.4	47.0
0°-60°	2208.5	80.4
0°-90°	2748.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2748.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1076	1076	1076	1076	1076	
5°	1066	1070	1070	1070	1068	101
15°	1013	1018	1016	1014	1012	285
25°	910	914	910	909	907	419
35°	779	780	777	775	773	487
45°	632	634	631	631	629	489
55°	481	481	478	479	478	430
65°	323	323	324	322	322	320
75°	165	166	166	164	166	176
85°	36	36	36	36	36	43
90°	0	0	0	0	0	



TEST NUMBER: P735660

CATALOG NUMBER: 22APR-30-B2750-W2D-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1075.6	1075.6	1075.6	1075.6	1075.6
2.5°	1071.1	1074.9	1074.1	1076.4	1074.9
5°	1066.0	1069.7	1069.7	1069.7	1068.2
7.5°	1057.8	1061.5	1061.5	1061.5	1058.5
10°	1046.7	1050.4	1049.7	1049.7	1048.1
12.5°	1033.3	1035.5	1034.0	1034.0	1033.3
15°	1013.3	1017.7	1015.5	1013.9	1012.5
17.5°	990.9	995.4	991.7	990.9	988.7
20°	967.9	970.9	967.1	967.1	964.2
22.5°	939.6	942.6	940.4	939.0	937.5
25°	910.0	913.7	910.0	909.2	907.0
27.5°	879.5	882.4	878.7	875.8	874.4
30°	846.8	849.0	846.1	843.9	841.6
32.5°	814.8	814.8	811.9	809.7	806.7
35°	779.2	780.0	777.1	774.7	772.6
37.5°	743.6	745.1	742.1	739.9	738.4
40°	706.5	707.9	705.7	703.4	702.8
42.5°	670.8	670.8	669.4	667.0	665.6
45°	632.2	634.4	631.4	630.7	629.1
47.5°	596.5	596.5	593.5	592.0	592.0
50°	557.9	559.3	555.6	554.8	554.2
52.5°	519.2	518.5	517.7	517.1	516.3
55°	480.6	481.3	478.4	479.1	478.4
57.5°	442.0	441.2	440.5	439.8	439.0
60°	403.3	402.7	401.9	401.1	402.7
62.5°	363.2	364.0	361.8	364.0	361.0
65°	323.1	323.1	323.9	322.3	321.7
67.5°	284.6	284.6	283.0	283.0	286.0
70°	244.5	245.1	242.9	245.9	242.9
72.5°	205.0	205.8	205.0	204.2	205.8
75°	164.9	165.7	165.7	164.1	165.7
77.5°	128.5	129.3	128.5	127.8	128.5
80°	93.6	94.3	93.6	92.8	94.3
82.5°	62.3	63.1	62.3	62.3	63.1
85°	35.6	36.4	35.6	35.6	36.4
87.5°	14.1	14.9	14.9	14.9	14.9
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)