

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: METALUX

Report Number: P731801

Luminaire Tested: **14CZ2-20-S-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P731801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P275670)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CZ2-20-S-B2750-W2D-2700K
Description: 1X4 2000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND SMOOTH LENS

Light Source: -
Ballast/Driver: -

Summary

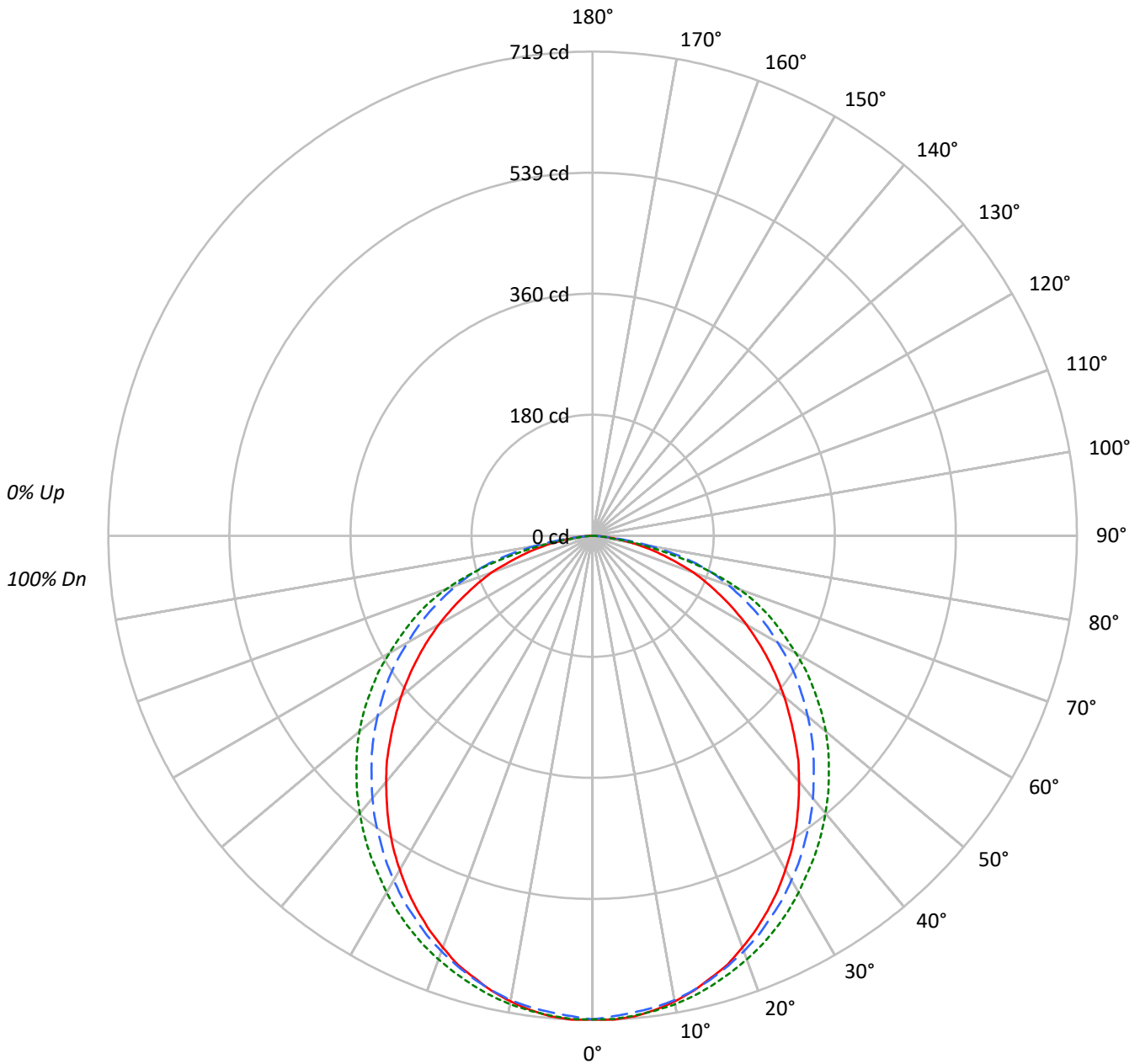
Lumens per Lamp: N/A
Luminaire Lumens: 2012.0 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.26 / 1.36
Luminous Opening: Rectangular (W 0.96' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 16
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

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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	94	97	94	91	94	91	89	90	88	86	84																			
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70																			
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58																			
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50																			
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43																			
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38																			
7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	35	33																			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30																			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27																			
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2028	2028	2028
5°	2030	2013	2026
10°	2013	2007	2024
15°	1985	1991	2017
20°	1954	1972	2011
25°	1914	1948	2004
30°	1866	1925	1993
35°	1815	1898	1987
40°	1757	1874	1981
45°	1692	1852	1979
50°	1630	1831	1984
55°	1561	1817	1978
60°	1487	1791	1965
65°	1399	1785	1966
70°	1317	1770	1910
75°	1143	1731	1632
80°	923	1395	1087
85°	612	483	324



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.8	3.4
10°-20°	193.0	9.6
20°-30°	289.5	14.4
30°-40°	345.3	17.2
40°-50°	357.0	17.7
50°-60°	326.0	16.2
60°-70°	256.5	12.7
70°-80°	149.3	7.4
80°-90°	27.5	1.4
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°	550.3	27.4
0°-40°	895.7	44.5
0°-60°	1578.7	78.5
0°-90°	2012.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2012.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	718	718	718	718	718	
5°	716	714	710	716	715	68
15°	679	680	681	690	690	192
25°	614	618	626	640	643	283
35°	527	534	551	572	577	329
45°	424	438	464	490	496	327
55°	317	334	369	396	402	284
65°	210	231	267	288	294	208
75°	105	130	159	156	150	111
85°	19	27	15	12	10	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	718.3	718.3	718.3	718.3	718.3
2.5°	719.2	717.3	714.2	719.2	718.3
5°	716.3	714.2	710.3	716.3	715.2
7.5°	710.3	708.2	706.3	712.3	711.3
10°	702.2	701.3	700.3	707.3	706.3
12.5°	692.3	692.3	691.4	699.3	699.3
15°	679.4	680.4	681.3	690.3	690.3
17.5°	667.4	666.4	669.4	679.4	680.4
20°	650.4	652.4	656.4	668.4	669.4
22.5°	633.4	635.5	642.5	654.4	657.4
25°	614.5	617.5	625.5	640.4	643.4
27.5°	594.6	598.6	609.5	625.5	628.4
30°	572.6	578.5	590.5	608.5	611.5
32.5°	550.7	556.7	571.6	589.5	593.6
35°	526.7	533.7	550.7	571.6	576.6
37.5°	501.8	510.7	530.7	551.6	557.6
40°	476.8	486.9	508.7	530.7	537.7
42.5°	451.9	461.9	485.8	510.7	517.8
45°	423.9	438.0	463.9	489.8	495.8
47.5°	397.0	412.1	440.9	466.8	474.9
50°	371.1	386.0	416.9	444.0	451.9
52.5°	344.2	360.1	393.0	421.0	427.9
55°	317.2	334.2	369.2	396.0	402.0
57.5°	290.3	308.3	344.2	370.1	377.1
60°	263.4	282.4	317.2	343.1	348.1
62.5°	236.4	256.3	292.3	315.2	320.3
65°	209.5	231.4	267.3	288.4	294.3
67.5°	183.6	205.5	240.4	260.4	265.4
70°	159.6	179.6	214.5	229.4	231.4
72.5°	129.7	154.6	188.5	196.6	191.5
75°	104.8	129.7	158.7	155.6	149.6
77.5°	79.8	104.8	123.7	113.7	105.7
80°	56.8	81.8	85.8	70.8	66.9
82.5°	36.9	56.8	47.9	36.9	29.9
85°	18.9	26.9	14.9	12.0	10.0
87.5°	6.0	4.0	2.0	2.0	1.0
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)