

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: P732247

Luminaire Tested: **24CZ2-45-RDP-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274775)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-45-RDP-B2750-W2D-3000K
Description: 2X4 4500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

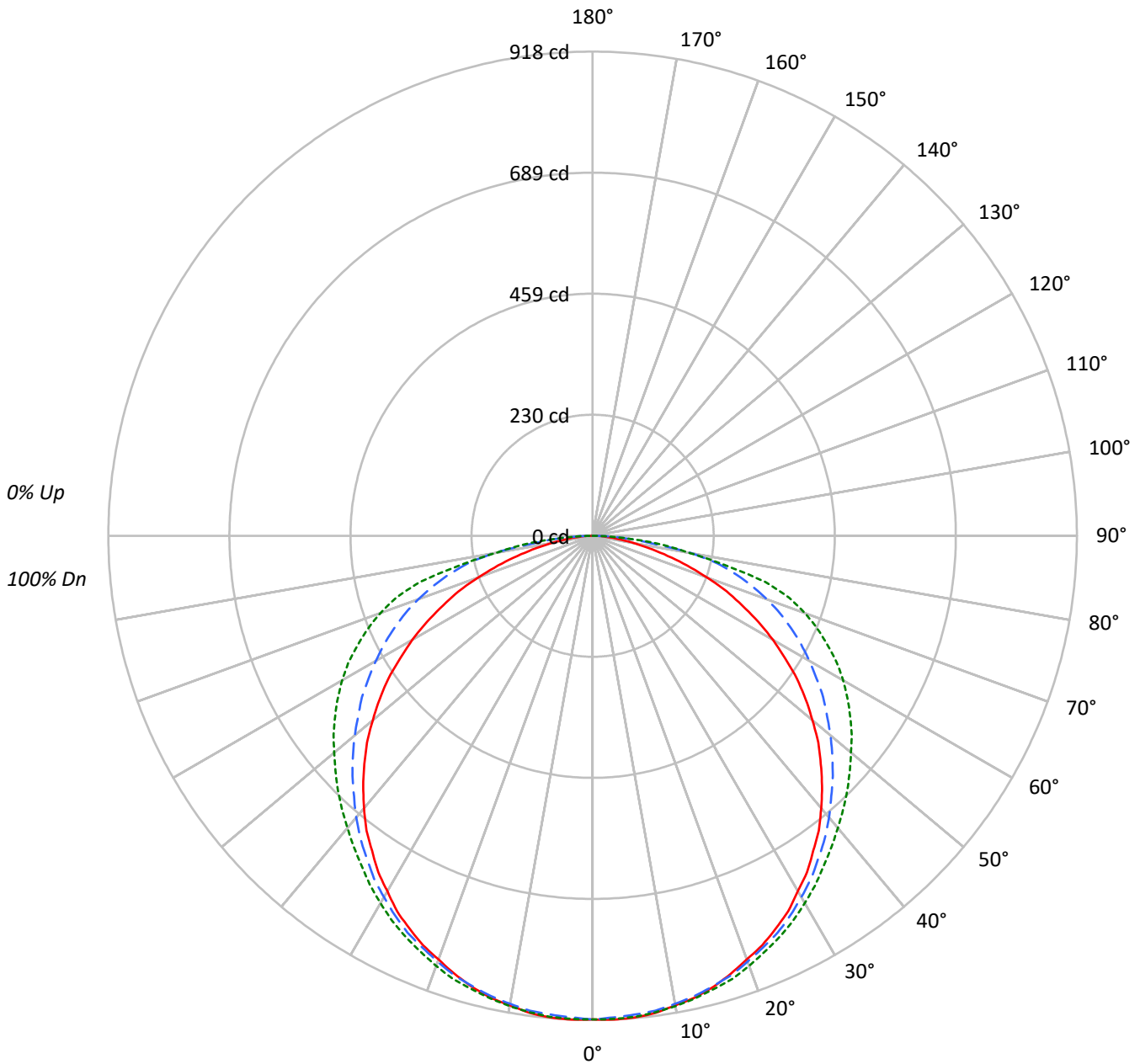
Lumens per Lamp: N/A
Luminaire Lumens: 2916.0 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 36
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					20					
RC	80					70					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	108	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82								
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67								
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	56								
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47								
5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40								
6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35								
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31								
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27								
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24								
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1294	1294	1294
5°	1299	1291	1297
10°	1295	1291	1298
15°	1294	1291	1300
20°	1284	1290	1303
25°	1279	1293	1306
30°	1268	1289	1311
35°	1256	1286	1316
40°	1242	1284	1332
45°	1221	1285	1362
50°	1194	1292	1404
55°	1164	1313	1466
60°	1114	1339	1547
65°	1043	1386	1642
70°	949	1450	1767
75°	804	1530	1846
80°	635	1539	1492
85°	470	1172	1310



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.0	3.0
10°-20°	250.3	8.6
20°-30°	382.8	13.1
30°-40°	468.0	16.0
40°-50°	498.8	17.1
50°-60°	476.9	16.4
60°-70°	404.0	13.9
70°-80°	271.5	9.3
80°-90°	76.6	2.6
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°	720.2	24.7
0°-40°	1188.2	40.7
0°-60°	2163.9	74.2
0°-90°	2916.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2916.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	917	917	917	917	917	
5°	917	916	911	916	916	87
15°	885	885	884	891	890	250
25°	822	824	830	838	839	379
35°	729	735	746	761	764	457
45°	612	622	644	671	683	472
55°	473	490	534	576	596	421
65°	312	344	415	470	492	310
75°	148	201	281	328	338	158
85°	29	59	72	78	81	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	917.0	917.0	917.0	917.0	917.0
2.5°	918.4	918.4	914.0	917.0	917.0
5°	917.0	915.6	911.3	915.6	915.6
7.5°	912.6	911.3	908.3	912.6	911.3
10°	903.9	903.9	901.1	905.5	905.5
12.5°	896.8	895.4	893.8	899.6	898.2
15°	885.3	885.3	883.7	891.0	889.5
17.5°	870.8	872.2	873.6	879.3	880.9
20°	854.7	857.7	859.1	867.8	867.8
22.5°	840.3	841.8	844.6	853.4	853.4
25°	821.6	824.4	830.2	837.5	838.9
27.5°	802.8	804.2	811.5	821.6	823.0
30°	778.2	782.5	791.1	802.8	804.2
32.5°	756.4	760.7	770.9	782.5	785.3
35°	729.0	734.8	746.3	760.7	763.7
37.5°	704.4	708.8	723.2	739.1	743.5
40°	674.1	682.6	697.1	715.9	723.2
42.5°	643.7	652.3	669.7	694.3	703.0
45°	611.8	621.9	643.7	671.1	682.6
47.5°	580.1	591.6	616.2	647.9	661.0
50°	543.8	558.3	588.6	624.9	639.4
52.5°	509.1	526.5	559.8	600.3	619.1
55°	473.0	490.2	533.7	575.7	595.9
57.5°	432.5	455.5	503.3	551.1	572.7
60°	394.8	416.5	474.4	526.5	548.1
62.5°	354.4	383.3	445.4	500.4	522.2
65°	312.4	344.3	415.1	470.0	491.8
67.5°	274.9	309.6	384.7	439.7	461.5
70°	230.0	273.3	351.4	406.4	428.2
72.5°	188.0	235.8	316.7	370.3	390.5
75°	147.5	201.1	280.6	328.4	338.5
77.5°	109.9	166.4	242.9	263.2	256.0
80°	78.1	133.1	189.4	179.3	183.6
82.5°	50.6	101.3	117.2	133.1	137.4
85°	29.0	59.3	72.4	78.1	80.9
87.5°	13.1	21.6	29.0	29.0	27.6
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)