

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: P732196

Luminaire Tested: **24CZ2-40-RDP-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732196
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: 24CZ2-40-RDP-B2750-W2D-2700K
Description: 2X4 4000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

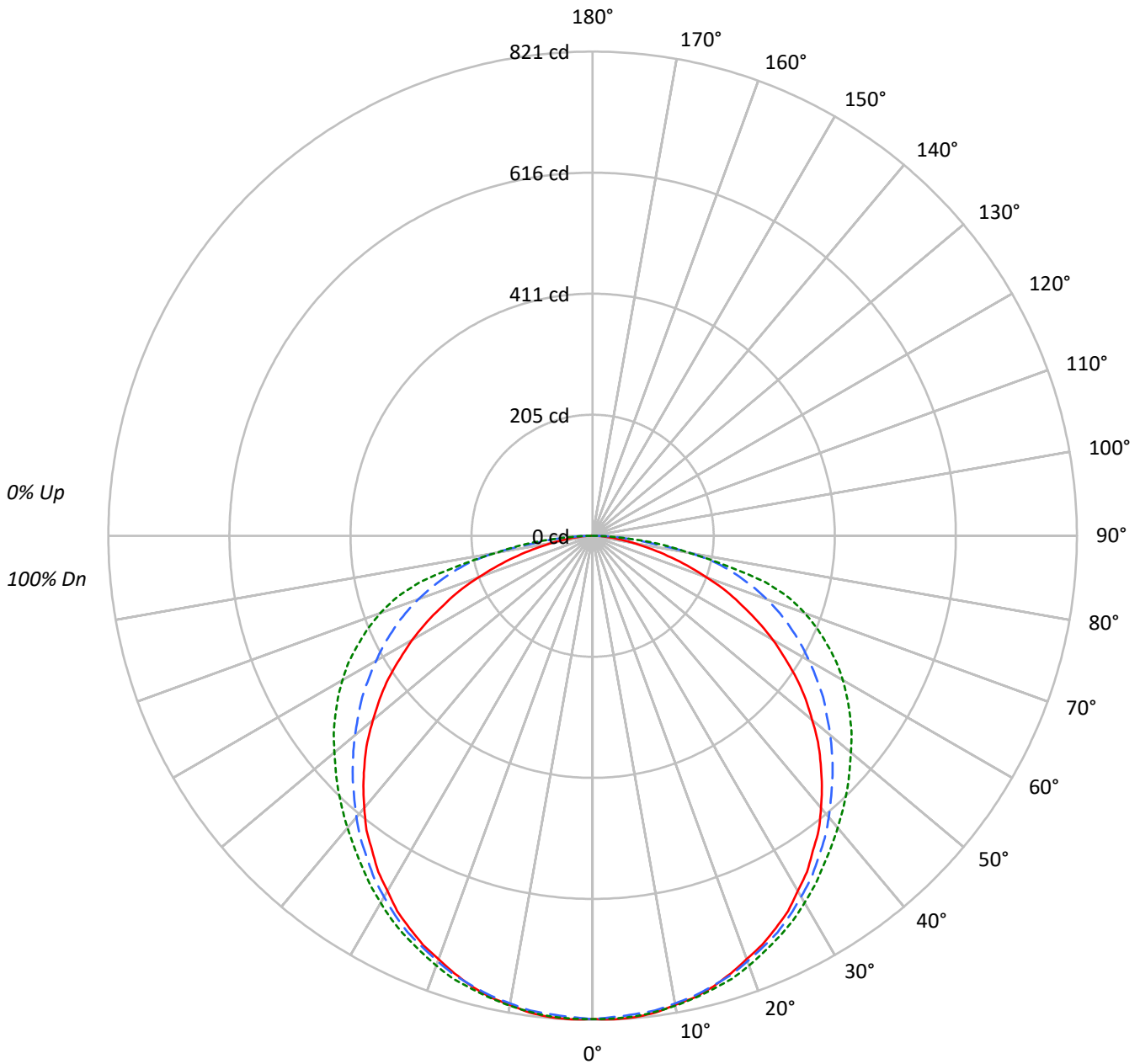
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2606.0 lumens
Efficiency: N/A
Efficacy: 84.1 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): 31
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: P732196
CATALOG NUMBER: 24CZ2-40-RDP-B2750-W2D-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P732196

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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	68	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°	1157	1157	1157
5°	1161	1154	1159
10°	1158	1154	1160
15°	1156	1154	1161
20°	1147	1153	1165
25°	1143	1155	1167
30°	1133	1152	1171
35°	1122	1149	1176
40°	1110	1148	1191
45°	1091	1148	1218
50°	1067	1155	1255
55°	1040	1173	1311
60°	996	1197	1383
65°	932	1239	1468
70°	848	1296	1579
75°	719	1368	1650
80°	567	1376	1334
85°	419	1048	1171



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	3.0
10°-20°	223.7	8.6
20°-30°	342.1	13.1
30°-40°	418.2	16.0
40°-50°	445.8	17.1
50°-60°	426.2	16.4
60°-70°	361.0	13.9
70°-80°	242.7	9.3
80°-90°	68.5	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°	643.6	24.7
0°-40°	1061.9	40.7
0°-60°	1933.8	74.2
0°-90°	2606.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2606.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	820	820	820	820	820	
5°	820	818	814	818	818	78
15°	791	791	790	796	795	223
25°	734	737	742	748	750	338
35°	652	657	667	680	682	408
45°	547	556	575	600	610	422
55°	423	438	477	514	533	376
65°	279	308	371	420	440	277
75°	132	180	251	294	302	141
85°	26	53	65	70	72	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	819.5	819.5	819.5	819.5	819.5
2.5°	820.8	820.8	816.9	819.5	819.5
5°	819.5	818.3	814.4	818.3	818.3
7.5°	815.6	814.4	811.7	815.6	814.4
10°	807.8	807.8	805.3	809.2	809.2
12.5°	801.4	800.2	798.8	803.9	802.7
15°	791.2	791.2	789.8	796.3	794.9
17.5°	778.2	779.5	780.7	785.9	787.3
20°	763.9	766.5	767.8	775.6	775.6
22.5°	750.9	752.3	754.8	762.6	762.6
25°	734.3	736.8	741.9	748.4	749.7
27.5°	717.4	718.7	725.2	734.3	735.5
30°	695.5	699.4	707.0	717.4	718.7
32.5°	676.0	679.9	688.9	699.4	701.8
35°	651.5	656.6	666.9	679.9	682.5
37.5°	629.5	633.4	646.4	660.5	664.4
40°	602.4	610.0	623.0	639.8	646.4
42.5°	575.3	582.9	598.5	620.5	628.3
45°	546.8	555.8	575.3	599.8	610.0
47.5°	518.4	528.7	550.7	579.0	590.7
50°	486.0	498.9	526.0	558.5	571.4
52.5°	455.0	470.5	500.3	536.5	553.3
55°	422.7	438.1	476.9	514.5	532.6
57.5°	386.5	407.1	449.8	492.5	511.8
60°	352.9	372.2	423.9	470.5	489.9
62.5°	316.7	342.6	398.1	447.2	466.6
65°	279.1	307.7	371.0	420.0	439.5
67.5°	245.6	276.7	343.8	392.9	412.4
70°	205.6	244.2	314.1	363.2	382.6
72.5°	168.0	210.7	283.0	330.9	349.0
75°	131.9	179.7	250.8	293.5	302.5
77.5°	98.2	148.7	217.1	235.2	228.8
80°	69.8	118.9	169.3	160.2	164.1
82.5°	45.2	90.6	104.7	118.9	122.8
85°	25.9	53.0	64.7	69.8	72.3
87.5°	11.7	19.3	25.9	25.9	24.6
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)