

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: P732191

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

Issue Date: 1/5/2024

Test Information

Test Method: LM-79-08
Report Number: P732191
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P295011)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-40-HRP-B2750-W2D-2700K
Description: 2X4 4000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

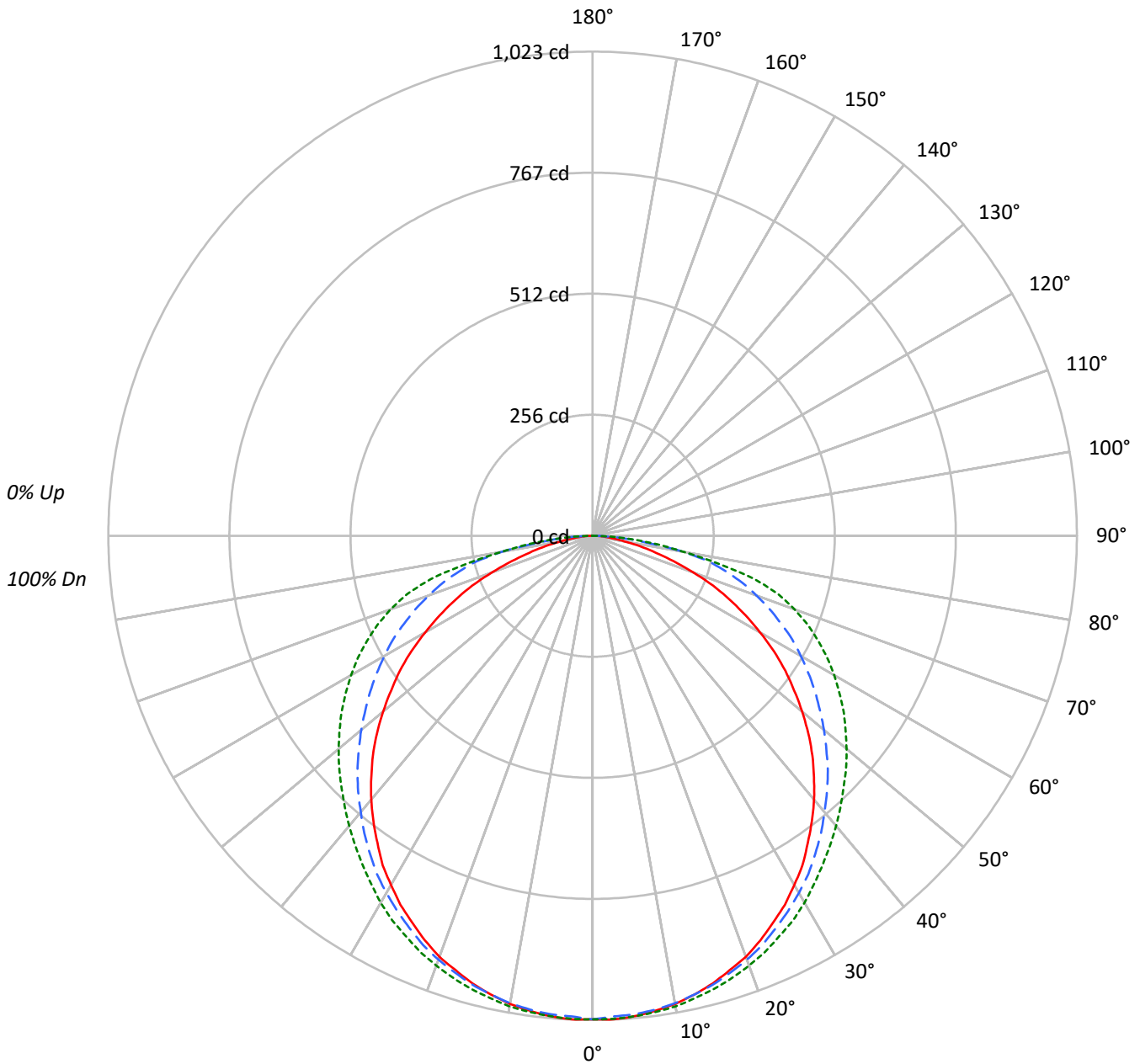
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3149.0 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
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: P732191
CATALOG NUMBER: 24CZ2-40-HRP-B2750-W2D-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P732191

CATALOG NUMBER: 24CZ2-40-HRP-B2750-W2D-2700K

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	101	96	93	96	93	90	92	90	87	89	86	84	82								
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	67								
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56								
4	81	68	59	52	79	67	59	52	65	57	51	62	56	50	60	54	50	48								
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41								
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36								
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31								
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28								
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25								
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1442	1442	1442
5°	1444	1438	1444
10°	1440	1438	1447
15°	1431	1435	1449
20°	1422	1431	1451
25°	1404	1425	1454
30°	1388	1420	1459
35°	1365	1413	1460
40°	1341	1404	1474
45°	1310	1403	1497
50°	1268	1401	1537
55°	1223	1411	1592
60°	1154	1433	1663
65°	1066	1466	1756
70°	931	1518	1872
75°	755	1596	1934
80°	557	1565	1565
85°	428	1153	1302



TEST NUMBER: P732191

CATALOG NUMBER: 24CZ2-40-HRP-B2750-W2D-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	3.1
10°-20°	277.9	8.8
20°-30°	423.1	13.4
30°-40°	513.8	16.3
40°-50°	542.8	17.2
50°-60°	512.2	16.3
60°-70°	425.9	13.5
70°-80°	280.2	8.9
80°-90°	76.4	2.4
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°	797.8	25.3
0°-40°	1311.6	41.7
0°-60°	2366.5	75.2
0°-90°	3149.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3149.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1022	1022	1022	1022	1022	
5°	1019	1019	1015	1019	1019	97
15°	980	981	982	991	991	276
25°	902	907	915	931	933	416
35°	792	802	820	841	848	496
45°	656	670	703	737	750	506
55°	497	518	573	628	647	443
65°	319	356	439	504	526	315
75°	138	202	293	347	355	149
85°	26	58	71	79	80	32
90°	0	0	0	0	0	



TEST NUMBER: P732191

CATALOG NUMBER: 24CZ2-40-HRP-B2750-W2D-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1021.7	1021.7	1021.7	1021.7	1021.7
2.5°	1023.0	1021.7	1016.4	1021.7	1021.7
5°	1019.1	1019.1	1015.1	1019.1	1019.1
7.5°	1012.4	1012.4	1009.8	1015.1	1015.1
10°	1004.6	1004.6	1003.1	1009.8	1009.8
12.5°	992.7	994.0	992.7	1000.5	1000.5
15°	979.5	980.8	982.1	991.4	991.4
17.5°	962.4	965.0	967.6	978.2	979.5
20°	946.6	947.9	953.1	965.0	966.3
22.5°	925.4	929.5	936.0	947.9	951.8
25°	901.7	907.0	914.9	930.8	933.4
27.5°	879.2	883.3	893.8	910.9	916.3
30°	851.7	858.2	871.4	888.5	895.1
32.5°	825.3	831.8	847.6	866.2	871.4
35°	792.3	801.5	820.1	841.1	847.6
37.5°	760.7	769.8	792.3	816.0	824.0
40°	727.6	738.2	762.0	789.7	800.2
42.5°	692.1	706.6	733.0	763.3	775.2
45°	656.5	669.7	702.7	736.9	750.1
47.5°	618.2	634.0	669.7	710.5	726.3
50°	577.5	597.2	638.1	682.9	700.1
52.5°	536.5	558.9	605.0	655.2	673.7
55°	496.9	518.1	573.4	627.5	647.2
57.5°	453.6	479.8	540.5	598.5	618.2
60°	408.7	437.7	507.5	568.2	589.2
62.5°	363.9	396.8	475.9	536.5	558.9
65°	319.1	355.9	439.1	503.6	525.9
67.5°	275.5	316.4	404.7	469.4	491.7
70°	225.5	276.8	367.8	431.1	453.6
72.5°	179.3	238.7	332.3	391.6	411.3
75°	138.4	201.7	292.6	346.8	354.6
77.5°	101.6	164.8	251.7	270.3	271.6
80°	68.5	131.9	192.5	189.8	192.5
82.5°	44.8	98.8	121.3	135.8	137.1
85°	26.4	58.0	71.2	79.1	80.4
87.5°	13.2	19.7	25.1	26.4	29.0
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)