

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: P732117

Luminaire Tested: **24CZ2-30HE-HRP-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732117
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: 24CZ2-30HE-HRP-B2750-W2D-3000K
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

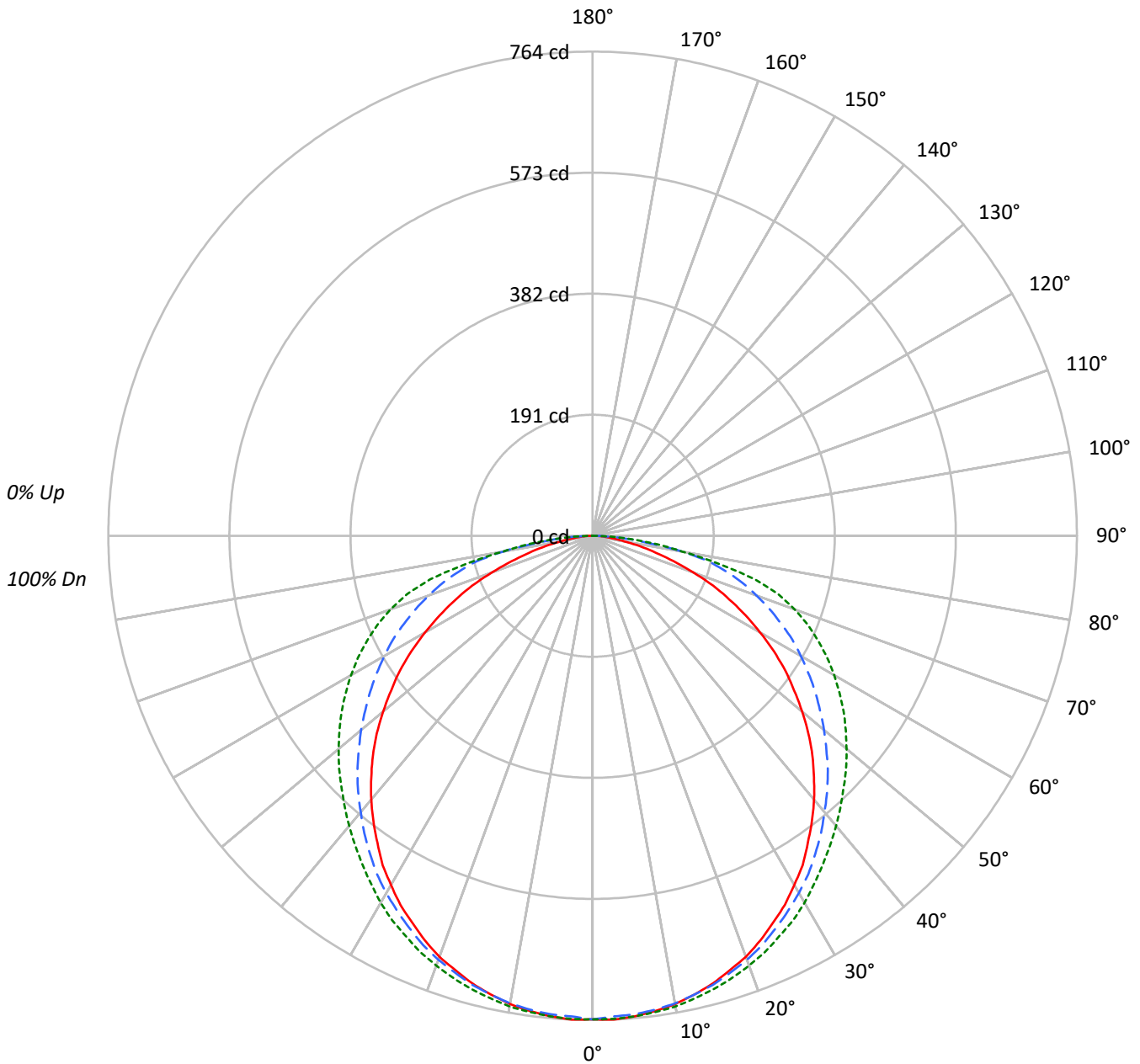
Lumens per Lamp: N/A
Luminaire Lumens: 2352.0 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 22
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: P732117

CATALOG NUMBER: 24CZ2-30HE-HRP-B2750-W2D-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P732117

CATALOG NUMBER: 24CZ2-30HE-HRP-B2750-W2D-3000K

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	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°	1077	1077	1077
5°	1078	1074	1078
10°	1075	1074	1081
15°	1069	1072	1082
20°	1062	1069	1084
25°	1049	1064	1086
30°	1037	1061	1089
35°	1020	1055	1091
40°	1001	1049	1101
45°	979	1047	1118
50°	947	1046	1148
55°	913	1054	1189
60°	862	1070	1242
65°	796	1095	1312
70°	695	1134	1398
75°	564	1192	1444
80°	415	1169	1169
85°	319	861	972



TEST NUMBER: P732117

CATALOG NUMBER: 24CZ2-30HE-HRP-B2750-W2D-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	3.1
10°-20°	207.6	8.8
20°-30°	316.0	13.4
30°-40°	383.7	16.3
40°-50°	405.4	17.2
50°-60°	382.5	16.3
60°-70°	318.1	13.5
70°-80°	209.3	8.9
80°-90°	57.0	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°	595.9	25.3
0°-40°	979.6	41.7
0°-60°	1767.6	75.2
0°-90°	2352.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2352.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	763	763	763	763	763	
5°	761	761	758	761	761	72
15°	732	733	734	740	740	206
25°	674	677	683	695	697	311
35°	592	599	612	628	633	370
45°	490	500	525	550	560	378
55°	371	387	428	469	483	331
65°	238	266	328	376	393	236
75°	103	151	219	259	265	111
85°	20	43	53	59	60	24
90°	0	0	0	0	0	



TEST NUMBER: P732117

CATALOG NUMBER: 24CZ2-30HE-HRP-B2750-W2D-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	763.1	763.1	763.1	763.1	763.1
2.5°	764.1	763.1	759.1	763.1	763.1
5°	761.2	761.2	758.1	761.2	761.2
7.5°	756.2	756.2	754.2	758.1	758.1
10°	750.4	750.4	749.3	754.2	754.2
12.5°	741.5	742.4	741.5	747.3	747.3
15°	731.6	732.6	733.5	740.5	740.5
17.5°	718.8	720.8	722.7	730.6	731.6
20°	707.0	708.0	711.9	720.8	721.7
22.5°	691.2	694.2	699.1	708.0	710.9
25°	673.5	677.4	683.4	695.2	697.1
27.5°	656.7	659.8	667.5	680.3	684.4
30°	636.1	641.0	650.9	663.7	668.5
32.5°	616.4	621.3	633.1	647.0	650.9
35°	591.8	598.6	612.5	628.2	633.1
37.5°	568.2	575.0	591.8	609.5	615.4
40°	543.5	551.4	569.2	589.9	597.7
42.5°	516.9	527.8	547.5	570.1	579.0
45°	490.4	500.2	524.8	550.4	560.3
47.5°	461.8	473.6	500.2	530.7	542.5
50°	431.3	446.0	476.6	510.1	522.9
52.5°	400.7	417.4	451.9	489.4	503.2
55°	371.2	387.0	428.3	468.7	483.4
57.5°	338.8	358.4	403.7	447.0	461.8
60°	305.3	327.0	379.1	424.4	440.1
62.5°	271.8	296.4	355.4	400.7	417.4
65°	238.3	265.8	327.9	376.2	392.8
67.5°	205.8	236.4	302.2	350.6	367.3
70°	168.4	206.8	274.7	322.0	338.8
72.5°	133.9	178.3	248.2	292.5	307.2
75°	103.4	150.6	218.6	259.0	264.9
77.5°	75.9	123.1	188.0	201.9	202.9
80°	51.1	98.5	143.8	141.7	143.8
82.5°	33.5	73.8	90.6	101.4	102.4
85°	19.7	43.4	53.2	59.1	60.0
87.5°	9.9	14.7	18.8	19.7	21.7
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)