

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: P732091

Luminaire Tested: **24CZ2-30-HRP-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732091
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: 24CZ2-30-HRP-B2750-W2D-2700K
Description: 2X4 3000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

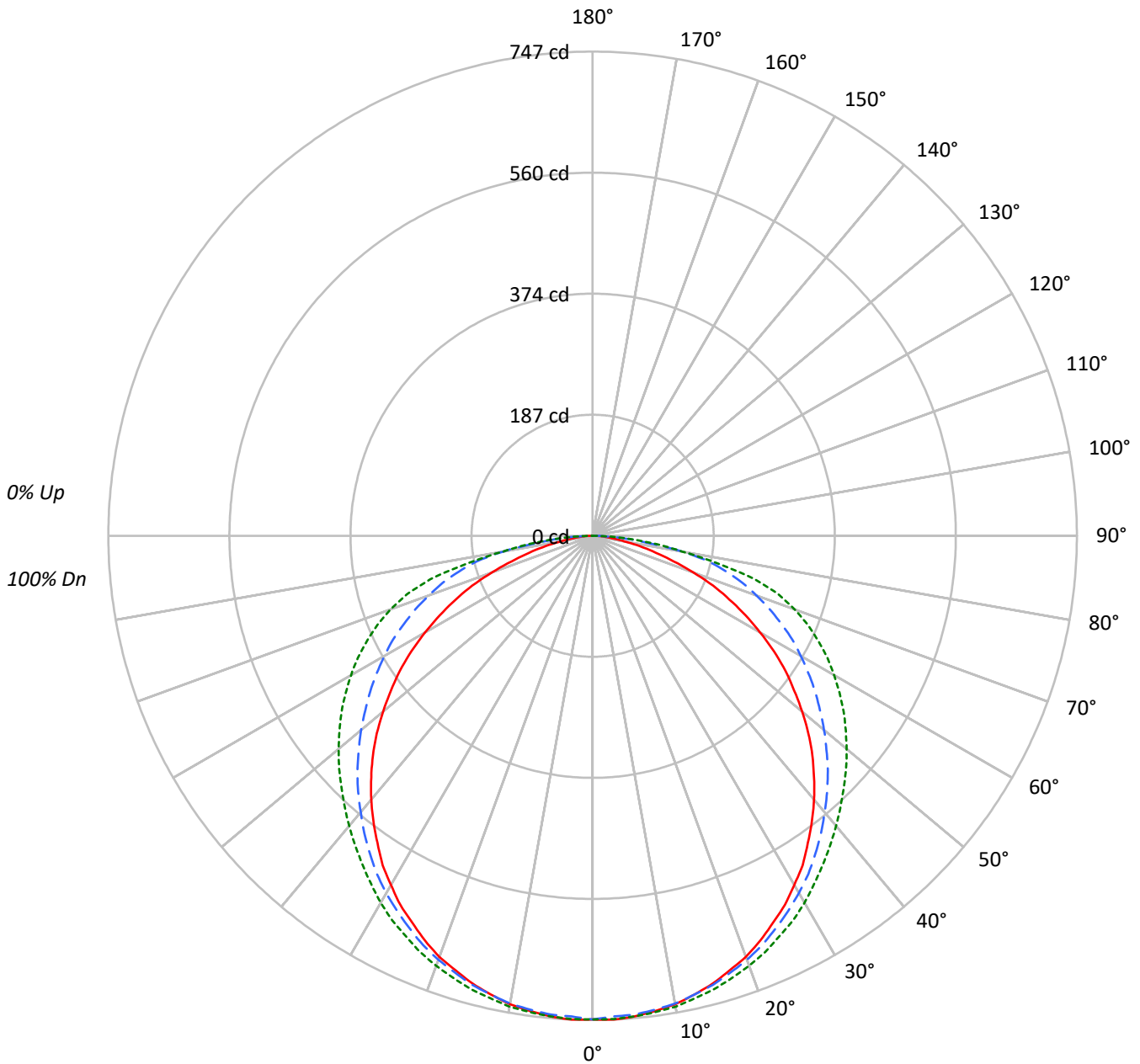
Lumens per Lamp: N/A
Luminaire Lumens: 2300.0 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 23
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: P732091

CATALOG NUMBER: 24CZ2-30-HRP-B2750-W2D-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P732091

CATALOG NUMBER: 24CZ2-30-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°	1053	1053	1053
5°	1055	1050	1055
10°	1052	1050	1057
15°	1045	1048	1058
20°	1038	1045	1060
25°	1026	1041	1062
30°	1014	1037	1065
35°	997	1032	1067
40°	979	1025	1077
45°	957	1024	1094
50°	926	1023	1123
55°	893	1030	1163
60°	843	1046	1215
65°	778	1071	1283
70°	680	1108	1367
75°	551	1165	1412
80°	406	1143	1143
85°	313	842	951



TEST NUMBER: P732091

CATALOG NUMBER: 24CZ2-30-HRP-B2750-W2D-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	3.1
10°-20°	203.0	8.8
20°-30°	309.0	13.4
30°-40°	375.2	16.3
40°-50°	396.4	17.2
50°-60°	374.1	16.3
60°-70°	311.0	13.5
70°-80°	204.6	8.9
80°-90°	55.8	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°	582.7	25.3
0°-40°	958.0	41.7
0°-60°	1728.5	75.2
0°-90°	2300.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2300.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	746	746	746	746	746	
5°	744	744	741	744	744	71
15°	715	716	717	724	724	202
25°	659	662	668	680	682	304
35°	579	585	599	614	619	362
45°	480	489	513	538	548	369
55°	363	378	419	458	473	323
65°	233	260	321	368	384	230
75°	101	147	214	253	259	109
85°	19	42	52	58	59	24
90°	0	0	0	0	0	



TEST NUMBER: P732091

CATALOG NUMBER: 24CZ2-30-HRP-B2750-W2D-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	746.3	746.3	746.3	746.3	746.3
2.5°	747.2	746.3	742.3	746.3	746.3
5°	744.4	744.4	741.4	744.4	744.4
7.5°	739.5	739.5	737.6	741.4	741.4
10°	733.8	733.8	732.7	737.6	737.6
12.5°	725.1	726.0	725.1	730.8	730.8
15°	715.4	716.4	717.3	724.1	724.1
17.5°	702.9	704.8	706.7	714.5	715.4
20°	691.4	692.3	696.1	704.8	705.8
22.5°	675.9	678.9	683.6	692.3	695.2
25°	658.6	662.4	668.3	679.8	681.7
27.5°	642.2	645.2	652.8	665.3	669.2
30°	622.1	626.8	636.5	649.0	653.7
32.5°	602.8	607.5	619.1	632.7	636.5
35°	578.7	585.4	599.0	614.3	619.1
37.5°	555.6	562.3	578.7	596.0	601.8
40°	531.4	539.2	556.6	576.8	584.4
42.5°	505.5	516.1	535.4	557.5	566.2
45°	479.5	489.2	513.2	538.2	547.9
47.5°	451.5	463.1	489.2	518.9	530.5
50°	421.8	436.2	466.1	498.8	511.3
52.5°	391.9	408.2	441.9	478.6	492.0
55°	363.0	378.4	418.8	458.3	472.7
57.5°	331.3	350.4	394.7	437.1	451.5
60°	298.5	319.7	370.7	415.0	430.4
62.5°	265.8	289.8	347.6	391.9	408.2
65°	233.0	259.9	320.7	367.8	384.1
67.5°	201.2	231.1	295.6	342.8	359.1
70°	164.7	202.2	268.6	314.8	331.3
72.5°	131.0	174.3	242.7	286.0	300.4
75°	101.1	147.3	213.7	253.3	259.0
77.5°	74.2	120.4	183.9	197.4	198.4
80°	50.0	96.3	140.6	138.6	140.6
82.5°	32.7	72.2	88.6	99.2	100.1
85°	19.3	42.4	52.0	57.8	58.7
87.5°	9.6	14.4	18.3	19.3	21.2
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)