

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: P732369

Luminaire Tested: **24CZ2-60HE-HRP-B2750-W2D-4000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732369
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: 24CZ2-60HE-HRP-B2750-W2D-4000K
Description: 2X4 6000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 4000K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

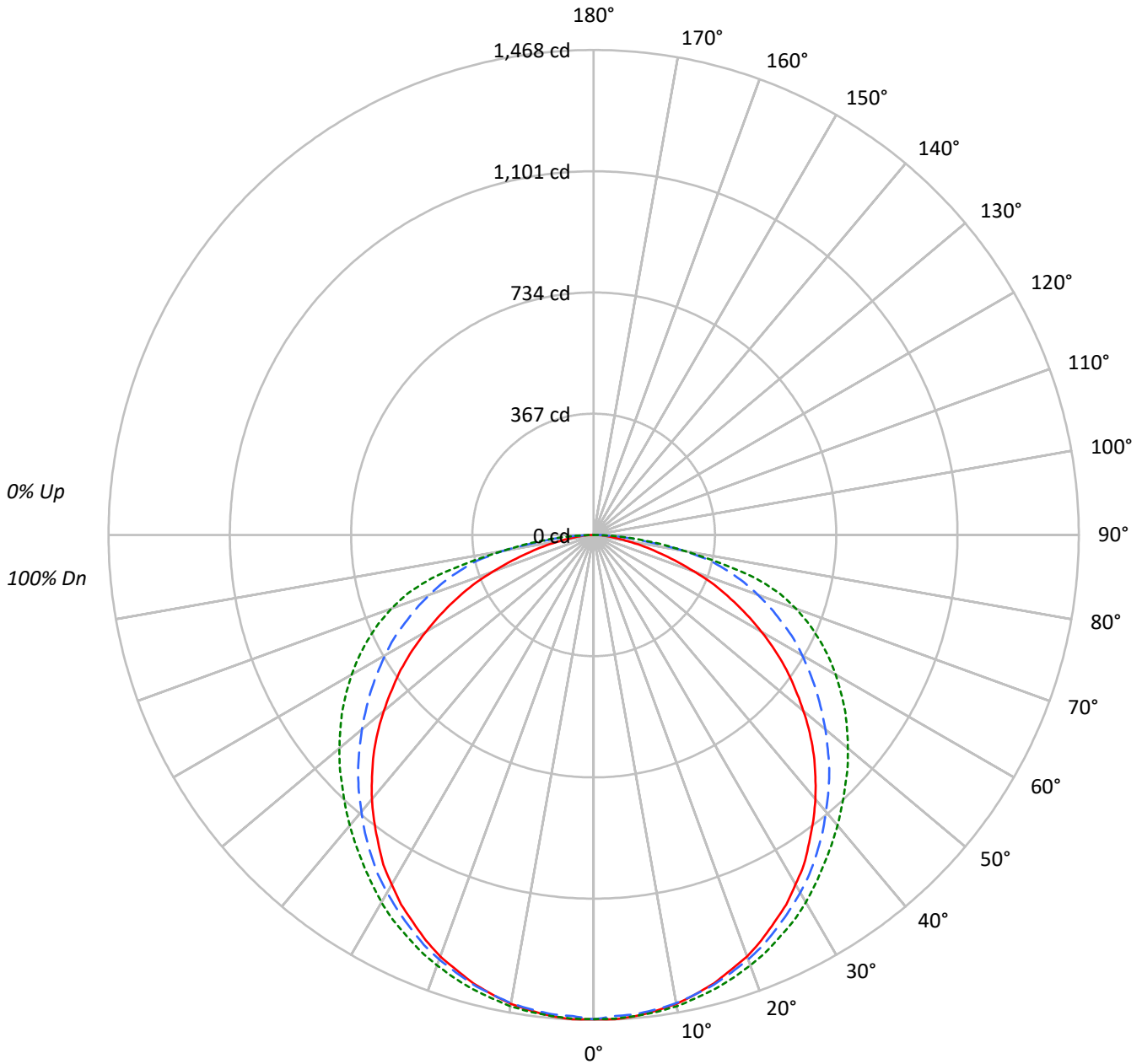
Lumens per Lamp: N/A
Luminaire Lumens: 4518.0 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 45
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				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				100
1	108	103	98	94	105	101	96	93	96	93	90	92	90	87	89	86	84	82				82
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	67				67
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56				56
4	81	68	59	52	79	67	59	52	65	57	51	62	56	50	60	54	50	48				48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41				41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36				36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31				31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28				28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25				25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23				23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2069	2069	2069
5°	2072	2063	2072
10°	2066	2063	2076
15°	2053	2059	2078
20°	2040	2054	2082
25°	2015	2044	2085
30°	1991	2038	2093
35°	1959	2027	2095
40°	1923	2014	2115
45°	1880	2012	2148
50°	1819	2010	2205
55°	1754	2024	2285
60°	1655	2055	2386
65°	1529	2104	2520
70°	1335	2178	2685
75°	1083	2290	2774
80°	798	2245	2245
85°	614	1655	1867



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.9	3.1
10°-20°	398.8	8.8
20°-30°	607.1	13.4
30°-40°	737.1	16.3
40°-50°	778.8	17.2
50°-60°	734.8	16.3
60°-70°	611.0	13.5
70°-80°	402.0	8.9
80°-90°	109.6	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°	1144.7	25.3
0°-40°	1881.8	41.7
0°-60°	3395.4	75.2
0°-90°	4518.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4518.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1466	1466	1466	1466	1466	
5°	1462	1462	1456	1462	1462	139
15°	1405	1407	1409	1422	1422	396
25°	1294	1301	1313	1335	1339	597
35°	1137	1150	1177	1207	1216	712
45°	942	961	1008	1057	1076	725
55°	713	743	823	900	929	635
65°	458	511	630	723	755	453
75°	199	289	420	498	509	214
85°	38	83	102	113	115	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1465.9	1465.9	1465.9	1465.9	1465.9
2.5°	1467.8	1465.9	1458.2	1465.9	1465.9
5°	1462.2	1462.2	1456.3	1462.2	1462.2
7.5°	1452.6	1452.6	1448.8	1456.3	1456.3
10°	1441.4	1441.4	1439.3	1448.8	1448.8
12.5°	1424.3	1426.2	1424.3	1435.5	1435.5
15°	1405.3	1407.2	1409.1	1422.4	1422.4
17.5°	1380.8	1384.5	1388.3	1403.5	1405.3
20°	1358.1	1360.0	1367.4	1384.5	1386.4
22.5°	1327.7	1333.5	1342.9	1360.0	1365.6
25°	1293.8	1301.3	1312.7	1335.4	1339.1
27.5°	1261.5	1267.3	1282.3	1306.9	1314.6
30°	1222.0	1231.3	1250.3	1274.8	1284.2
32.5°	1184.1	1193.4	1216.1	1242.8	1250.3
35°	1136.8	1149.9	1176.6	1206.8	1216.1
37.5°	1091.4	1104.5	1136.8	1170.7	1182.2
40°	1043.9	1059.2	1093.3	1133.1	1148.0
42.5°	993.0	1013.8	1051.7	1095.2	1112.3
45°	942.0	960.9	1008.2	1057.3	1076.2
47.5°	887.0	909.7	960.9	1019.4	1042.1
50°	828.5	856.8	915.5	979.9	1004.4
52.5°	769.8	801.8	868.0	940.1	966.5
55°	713.0	743.4	822.7	900.3	928.6
57.5°	650.7	688.4	775.4	858.7	887.0
60°	586.4	628.1	728.2	815.2	845.4
62.5°	522.1	569.3	682.8	769.8	801.8
65°	457.8	510.6	629.9	722.6	754.6
67.5°	395.3	454.0	580.6	673.4	705.5
70°	323.5	397.2	527.7	618.5	650.7
72.5°	257.3	342.4	476.7	561.9	590.2
75°	198.6	289.3	419.9	497.5	508.8
77.5°	145.7	236.5	361.2	387.8	389.7
80°	98.2	189.2	276.2	272.3	276.2
82.5°	64.3	141.8	174.0	194.8	196.7
85°	37.9	83.3	102.2	113.4	115.3
87.5°	18.9	28.3	36.0	37.9	41.6
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)