

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: P732366

Luminaire Tested: **24CZ2-60HE-HRP-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732366
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-2700K
Description: 2X4 6000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

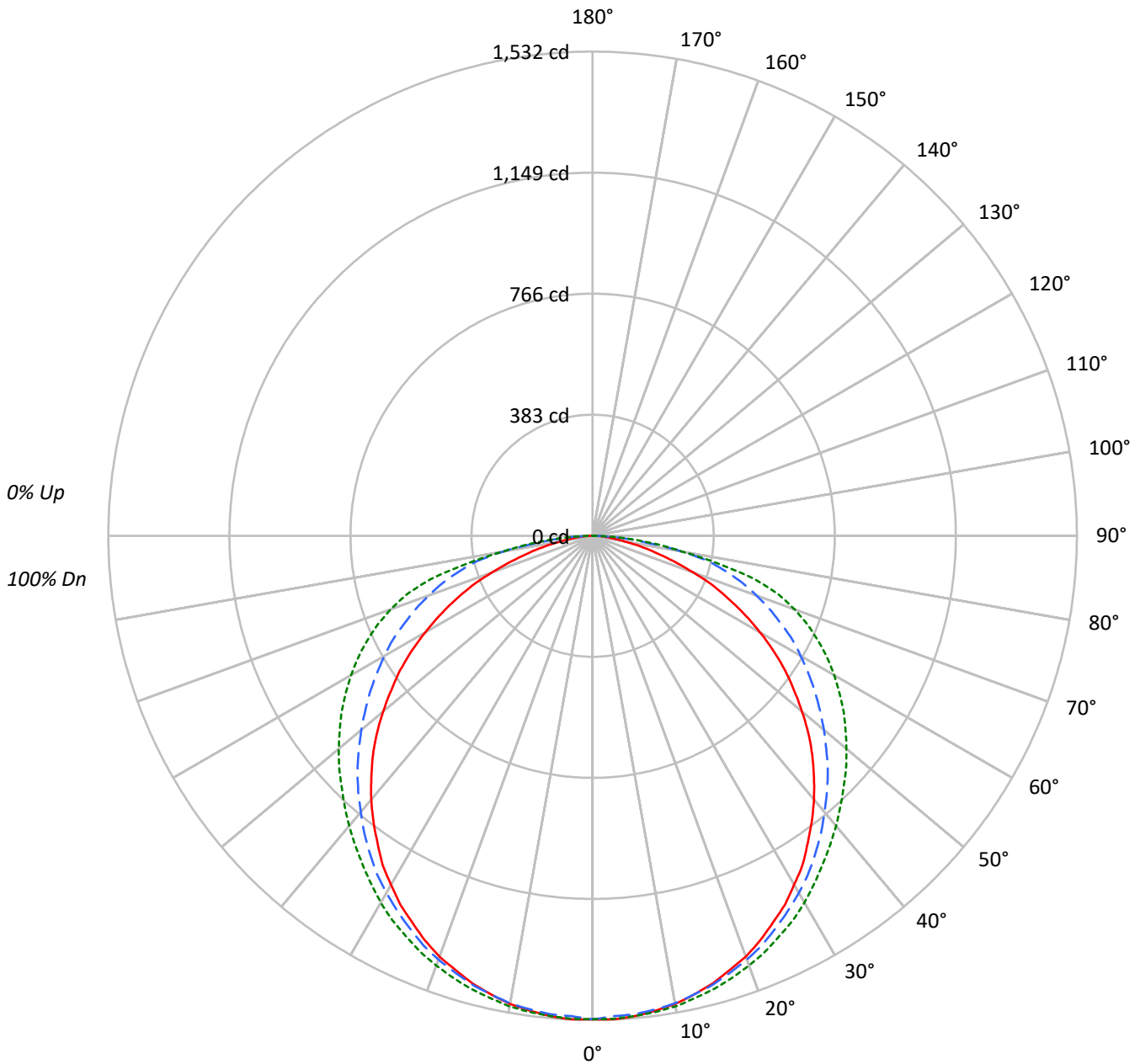
Lumens per Lamp: N/A
Luminaire Lumens: 4715.0 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

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°	2159	2159	2159
5°	2162	2153	2162
10°	2156	2153	2167
15°	2143	2149	2169
20°	2129	2143	2173
25°	2103	2133	2176
30°	2078	2126	2184
35°	2044	2116	2187
40°	2007	2102	2207
45°	1962	2100	2242
50°	1898	2098	2301
55°	1831	2112	2385
60°	1727	2145	2490
65°	1595	2195	2630
70°	1393	2272	2802
75°	1130	2390	2895
80°	833	2343	2343
85°	640	1728	1948



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.9	3.1
10°-20°	416.1	8.8
20°-30°	633.5	13.4
30°-40°	769.3	16.3
40°-50°	812.7	17.2
50°-60°	766.9	16.3
60°-70°	637.6	13.5
70°-80°	419.5	8.9
80°-90°	114.4	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°	1194.6	25.3
0°-40°	1963.9	41.7
0°-60°	3543.5	75.2
0°-90°	4715.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4715.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1530	1530	1530	1530	1530	
5°	1526	1526	1520	1526	1526	145
15°	1467	1469	1470	1484	1484	414
25°	1350	1358	1370	1394	1398	623
35°	1186	1200	1228	1259	1269	743
45°	983	1003	1052	1103	1123	757
55°	744	776	858	940	969	663
65°	478	533	657	754	788	472
75°	207	302	438	519	531	223
85°	40	87	107	118	120	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1529.8	1529.8	1529.8	1529.8	1529.8
2.5°	1531.8	1529.8	1521.8	1529.8	1529.8
5°	1525.9	1525.9	1519.8	1525.9	1525.9
7.5°	1515.9	1515.9	1512.0	1519.8	1519.8
10°	1504.2	1504.2	1502.0	1512.0	1512.0
12.5°	1486.4	1488.3	1486.4	1498.1	1498.1
15°	1466.6	1468.6	1470.5	1484.4	1484.4
17.5°	1441.0	1444.9	1448.8	1464.7	1466.6
20°	1417.3	1419.3	1427.1	1444.9	1446.8
22.5°	1385.6	1391.7	1401.4	1419.3	1425.1
25°	1350.2	1358.0	1370.0	1393.6	1397.5
27.5°	1316.5	1322.6	1338.2	1363.8	1371.9
30°	1275.2	1285.0	1304.8	1330.4	1340.2
32.5°	1235.7	1245.5	1269.1	1297.0	1304.8
35°	1186.4	1200.1	1227.9	1259.4	1269.1
37.5°	1139.0	1152.7	1186.4	1221.8	1233.7
40°	1089.5	1105.3	1141.0	1182.5	1198.1
42.5°	1036.3	1058.0	1097.5	1142.9	1160.7
45°	983.0	1002.8	1052.1	1103.4	1123.2
47.5°	925.7	949.3	1002.8	1063.8	1087.5
50°	864.6	894.2	955.5	1022.6	1048.2
52.5°	803.4	836.8	905.9	981.1	1008.7
55°	744.1	775.8	858.5	939.6	969.1
57.5°	679.1	718.4	809.2	896.1	925.7
60°	612.0	655.4	759.9	850.7	882.2
62.5°	544.9	594.2	712.6	803.4	836.8
65°	477.7	532.9	657.4	754.1	787.5
67.5°	412.5	473.8	605.9	702.8	736.2
70°	337.6	414.5	550.7	645.4	679.1
72.5°	268.5	357.4	497.5	586.4	615.9
75°	207.3	302.0	438.2	519.2	530.9
77.5°	152.1	246.8	376.9	404.7	406.7
80°	102.5	197.5	288.3	284.1	288.3
82.5°	67.1	147.9	181.6	203.3	205.3
85°	39.5	86.9	106.7	118.4	120.3
87.5°	19.8	29.5	37.6	39.5	43.5
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)