

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: P880958

Luminaire Tested: **24CZ2-60VHE-RDP-B2750-W2D-3000K**

Issue Date: 10/2/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P880958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P474311)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 10/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-60VHE-RDP-B2750-W2D-3000K
Description: 2X4 6000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

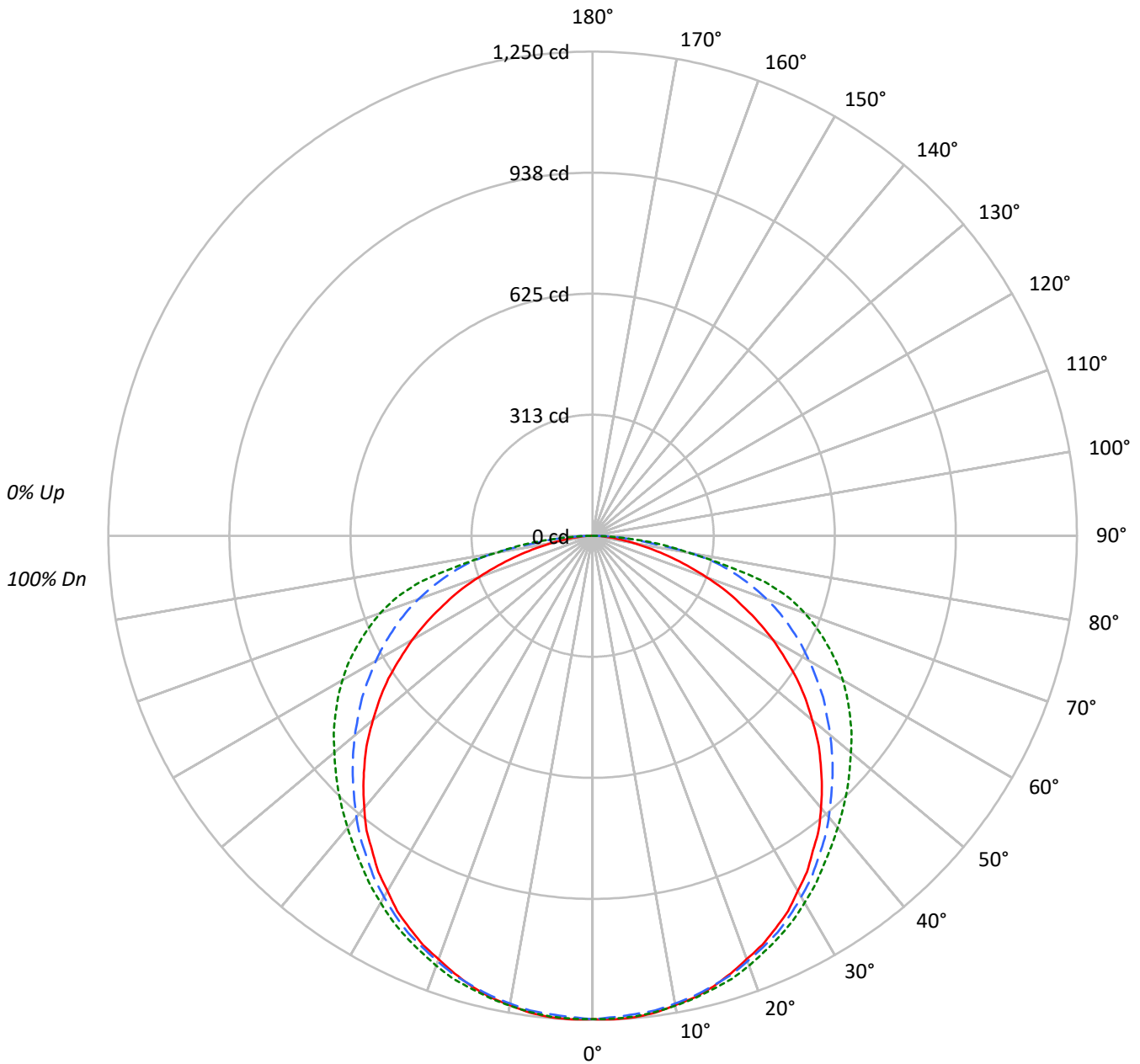
Lumens per Lamp: N/A
Luminaire Lumens: 3968.0 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 47
Input Voltage (V): NR
Input Current (Ain): 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			
1	108	103	98	94	105	100	96	92	96	93	89	92	89	87	88	86	84	82			
2	97	89	81	75	95	87	80	74	83	77	72	80	75	71	77	73	69	67			
3	88	77	68	62	86	76	67	61	72	66	60	70	64	59	67	62	58	56			
4	81	68	59	52	78	67	58	51	64	57	51	62	55	50	59	54	49	47			
5	74	60	51	44	72	59	51	44	57	49	43	55	48	43	53	47	42	40			
6	68	54	45	38	66	53	45	38	51	44	38	50	43	37	48	42	37	35			
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31			
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27			
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24			
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1761	1761	1761
5°	1768	1757	1765
10°	1763	1757	1766
15°	1760	1757	1769
20°	1747	1756	1774
25°	1741	1759	1778
30°	1725	1755	1783
35°	1709	1750	1790
40°	1690	1748	1813
45°	1662	1748	1854
50°	1625	1759	1910
55°	1583	1787	1995
60°	1517	1822	2105
65°	1420	1886	2235
70°	1291	1974	2404
75°	1094	2082	2512
80°	864	2094	2030
85°	638	1593	1786



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	3.0
10°-20°	340.7	8.6
20°-30°	520.9	13.1
30°-40°	636.8	16.0
40°-50°	678.8	17.1
50°-60°	649.0	16.4
60°-70°	549.8	13.9
70°-80°	369.5	9.3
80°-90°	104.2	2.6
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°	980.0	24.7
0°-40°	1616.8	40.7
0°-60°	2944.5	74.2
0°-90°	3968.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3968.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1248	1248	1248	1248	1248	
5°	1248	1246	1240	1246	1246	119
15°	1204	1204	1202	1212	1210	340
25°	1118	1122	1130	1140	1142	515
35°	992	1000	1016	1035	1039	621
45°	833	846	876	913	929	642
55°	644	667	726	783	811	573
65°	425	469	565	640	669	422
75°	201	274	382	447	461	215
85°	39	81	98	106	110	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1247.9	1247.9	1247.9	1247.9	1247.9
2.5°	1249.8	1249.8	1243.9	1247.9	1247.9
5°	1247.9	1246.0	1240.0	1246.0	1246.0
7.5°	1241.9	1240.0	1236.0	1241.9	1240.0
10°	1230.2	1230.2	1226.2	1232.1	1232.1
12.5°	1220.2	1218.3	1216.4	1224.3	1222.3
15°	1204.5	1204.5	1202.5	1212.3	1210.4
17.5°	1184.9	1186.8	1188.9	1196.8	1198.7
20°	1163.1	1167.2	1169.1	1181.0	1181.0
22.5°	1143.5	1145.5	1149.5	1161.2	1161.2
25°	1118.0	1121.8	1129.7	1139.5	1141.6
27.5°	1092.2	1094.3	1104.1	1118.0	1119.9
30°	1058.8	1064.7	1076.7	1092.2	1094.3
32.5°	1029.4	1035.1	1049.0	1064.7	1068.8
35°	991.9	999.8	1015.5	1035.1	1039.2
37.5°	958.5	964.2	984.0	1005.7	1011.5
40°	917.3	928.9	948.7	974.2	984.0
42.5°	875.8	887.7	911.4	944.6	956.3
45°	832.6	846.4	875.8	913.3	928.9
47.5°	789.3	805.1	838.5	881.8	899.5
50°	739.9	759.7	801.1	850.3	870.0
52.5°	692.8	716.5	761.7	816.8	842.4
55°	643.5	667.1	726.3	783.4	810.9
57.5°	588.5	619.8	685.0	749.9	779.3
60°	537.4	566.8	645.6	716.5	745.9
62.5°	482.2	521.6	606.2	680.9	710.5
65°	425.1	468.6	564.8	639.6	669.2
67.5°	374.0	421.3	523.5	598.3	627.7
70°	312.9	371.9	478.4	552.9	582.5
72.5°	255.8	320.8	431.1	503.9	531.4
75°	200.6	273.5	381.9	446.8	460.7
77.5°	149.7	226.2	330.6	358.2	348.4
80°	106.3	181.2	257.7	243.9	249.8
82.5°	69.0	137.8	159.5	181.2	186.8
85°	39.4	80.7	98.4	106.3	110.3
87.5°	17.7	29.6	39.4	39.4	37.5
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)