

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: P732372

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

Issue Date: 1/5/2024

Test Information

Test Method: LM-79-08
Report Number: P732372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P274775)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-60HE-RDP-B2750-W2D-3000K
Description: 2X4 6000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

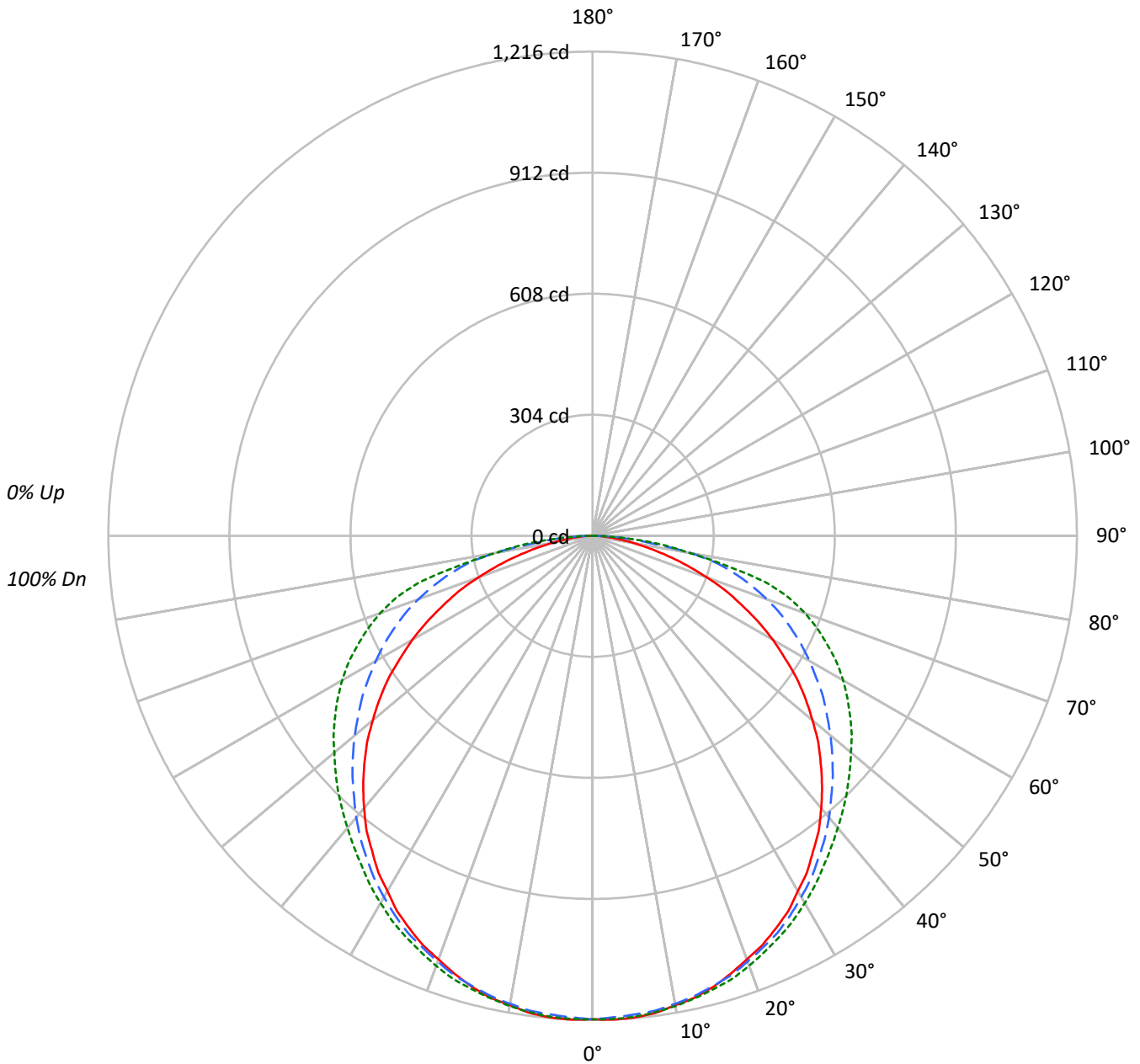
Lumens per Lamp: N/A
Luminaire Lumens: 3862.0 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1714	1714	1714
5°	1721	1710	1718
10°	1716	1710	1719
15°	1713	1710	1721
20°	1700	1709	1726
25°	1695	1712	1730
30°	1680	1707	1736
35°	1663	1703	1743
40°	1645	1701	1765
45°	1617	1702	1805
50°	1581	1712	1859
55°	1541	1739	1942
60°	1476	1773	2049
65°	1382	1836	2175
70°	1257	1920	2340
75°	1066	2026	2445
80°	841	2038	1977
85°	620	1553	1736



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.2	3.0
10°-20°	331.6	8.6
20°-30°	507.0	13.1
30°-40°	619.8	16.0
40°-50°	660.6	17.1
50°-60°	631.6	16.4
60°-70°	535.1	13.9
70°-80°	359.6	9.3
80°-90°	101.4	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°	953.8	24.7
0°-40°	1573.6	40.7
0°-60°	2865.9	74.2
0°-90°	3862.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3862.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1214	1214	1214	1214	1214	
5°	1214	1213	1207	1213	1213	115
15°	1172	1172	1170	1180	1178	331
25°	1088	1092	1100	1109	1111	501
35°	966	973	988	1008	1012	605
45°	810	824	853	889	904	625
55°	626	649	707	762	789	558
65°	414	456	550	622	651	411
75°	195	266	372	435	448	209
85°	38	78	96	104	107	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1214.5	1214.5	1214.5	1214.5	1214.5
2.5°	1216.3	1216.3	1210.6	1214.5	1214.5
5°	1214.5	1212.7	1206.9	1212.7	1212.7
7.5°	1208.7	1206.9	1203.0	1208.7	1206.9
10°	1197.2	1197.2	1193.5	1199.3	1199.3
12.5°	1187.7	1185.9	1183.8	1191.4	1189.6
15°	1172.5	1172.5	1170.4	1180.1	1178.0
17.5°	1153.3	1155.1	1157.0	1164.6	1166.7
20°	1132.0	1136.0	1137.8	1149.4	1149.4
22.5°	1112.9	1114.9	1118.6	1130.2	1130.2
25°	1088.2	1091.8	1099.5	1109.2	1111.0
27.5°	1063.2	1065.1	1074.8	1088.2	1090.0
30°	1030.6	1036.4	1047.7	1063.2	1065.1
32.5°	1001.8	1007.5	1020.9	1036.4	1040.1
35°	965.5	973.1	988.4	1007.5	1011.5
37.5°	932.9	938.7	957.9	978.9	984.7
40°	892.7	904.1	923.2	948.2	957.9
42.5°	852.6	863.9	887.0	919.5	931.1
45°	810.3	823.7	852.6	888.8	904.1
47.5°	768.2	783.5	816.1	858.1	875.4
50°	720.2	739.4	779.6	827.6	846.8
52.5°	674.2	697.3	741.5	795.0	820.0
55°	626.4	649.3	706.8	762.5	789.3
57.5°	572.8	603.3	666.6	729.9	758.5
60°	522.9	551.6	628.3	697.3	726.0
62.5°	469.4	507.7	589.9	662.7	691.6
65°	413.7	456.0	549.7	622.5	651.4
67.5°	364.0	410.0	509.5	582.3	611.2
70°	304.7	361.9	465.4	538.2	567.1
72.5°	249.0	312.3	419.5	490.4	517.2
75°	195.4	266.3	371.6	434.9	448.3
77.5°	145.5	220.4	321.8	348.6	339.1
80°	103.5	176.2	250.8	237.4	243.2
82.5°	67.0	134.2	155.2	176.2	182.0
85°	38.3	78.5	95.9	103.5	107.2
87.5°	17.3	28.6	38.3	38.3	36.5
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)