

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: P732371

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

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732371
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-2700K
Description: 2X4 6000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

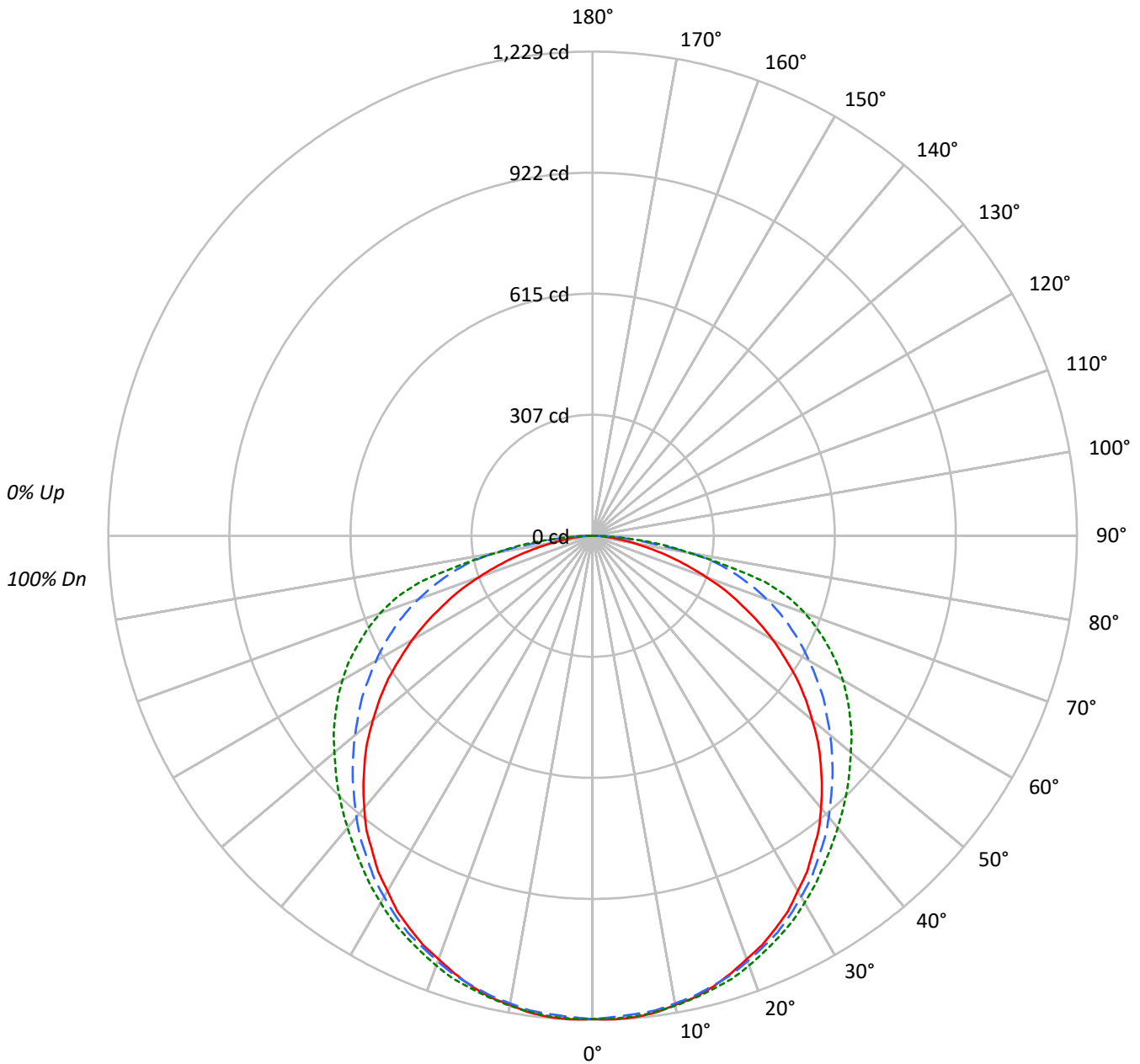
Lumens per Lamp: N/A
Luminaire Lumens: 3901.0 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 45
Input Voltage (V): NR
Input Current (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				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°	1731	1731	1731
5°	1738	1727	1735
10°	1733	1728	1736
15°	1730	1727	1739
20°	1717	1726	1744
25°	1712	1729	1748
30°	1696	1725	1753
35°	1680	1720	1760
40°	1661	1718	1783
45°	1634	1719	1823
50°	1597	1729	1878
55°	1557	1757	1962
60°	1491	1791	2070
65°	1396	1854	2197
70°	1270	1940	2364
75°	1076	2047	2470
80°	849	2060	1997
85°	627	1568	1754



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	3.0
10°-20°	334.9	8.6
20°-30°	512.1	13.1
30°-40°	626.1	16.0
40°-50°	667.3	17.1
50°-60°	638.0	16.4
60°-70°	540.5	13.9
70°-80°	363.2	9.3
80°-90°	102.5	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°	963.4	24.7
0°-40°	1589.5	40.7
0°-60°	2894.8	74.2
0°-90°	3901.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3901.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1227	1227	1227	1227	1227	
5°	1227	1225	1219	1225	1225	117
15°	1184	1184	1182	1192	1190	334
25°	1099	1103	1111	1120	1122	507
35°	975	983	998	1018	1022	611
45°	818	832	861	898	913	631
55°	633	656	714	770	797	564
65°	418	461	555	629	658	415
75°	197	269	375	439	453	211
85°	39	79	97	104	108	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1226.8	1226.8	1226.8	1226.8	1226.8
2.5°	1228.6	1228.6	1222.8	1226.8	1226.8
5°	1226.8	1224.9	1219.1	1224.9	1224.9
7.5°	1220.9	1219.1	1215.1	1220.9	1219.1
10°	1209.3	1209.3	1205.5	1211.4	1211.4
12.5°	1199.7	1197.8	1195.7	1203.4	1201.6
15°	1184.3	1184.3	1182.2	1192.0	1189.9
17.5°	1164.9	1166.8	1168.7	1176.4	1178.5
20°	1143.5	1147.4	1149.3	1161.0	1161.0
22.5°	1124.1	1126.2	1129.9	1141.6	1141.6
25°	1099.1	1102.9	1110.6	1120.4	1122.2
27.5°	1073.9	1075.8	1085.6	1099.1	1101.0
30°	1041.0	1046.9	1058.3	1073.9	1075.8
32.5°	1011.9	1017.7	1031.2	1046.9	1050.6
35°	975.3	983.0	998.4	1017.7	1021.7
37.5°	942.4	948.2	967.6	988.8	994.6
40°	901.8	913.2	932.6	957.8	967.6
42.5°	861.2	872.6	895.9	928.8	940.5
45°	818.5	832.0	861.2	897.8	913.2
47.5°	776.0	791.4	824.3	866.8	884.3
50°	727.5	746.8	787.4	836.0	855.3
52.5°	681.0	704.4	748.9	803.1	828.3
55°	632.7	655.8	713.9	770.2	797.2
57.5°	578.6	609.4	673.3	737.3	766.2
60°	528.2	557.2	634.6	704.4	733.3
62.5°	474.1	512.8	595.9	669.4	698.5
65°	417.9	460.6	555.3	628.8	657.9
67.5°	367.7	414.1	514.7	588.2	617.3
70°	307.7	365.6	470.1	543.6	572.8
72.5°	251.5	315.4	423.7	495.3	522.4
75°	197.4	269.0	375.4	439.3	452.9
77.5°	147.0	222.6	325.0	352.1	342.5
80°	104.5	178.0	253.4	239.8	245.7
82.5°	67.7	135.6	156.8	178.0	183.9
85°	38.7	79.3	96.8	104.5	108.3
87.5°	17.5	28.9	38.7	38.7	36.9
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)