

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: P843148

Luminaire Tested: **24CZ2-60HE-RDP-UNV-B35**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P843148
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-UNV-B35
Description: 2X4 6000 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

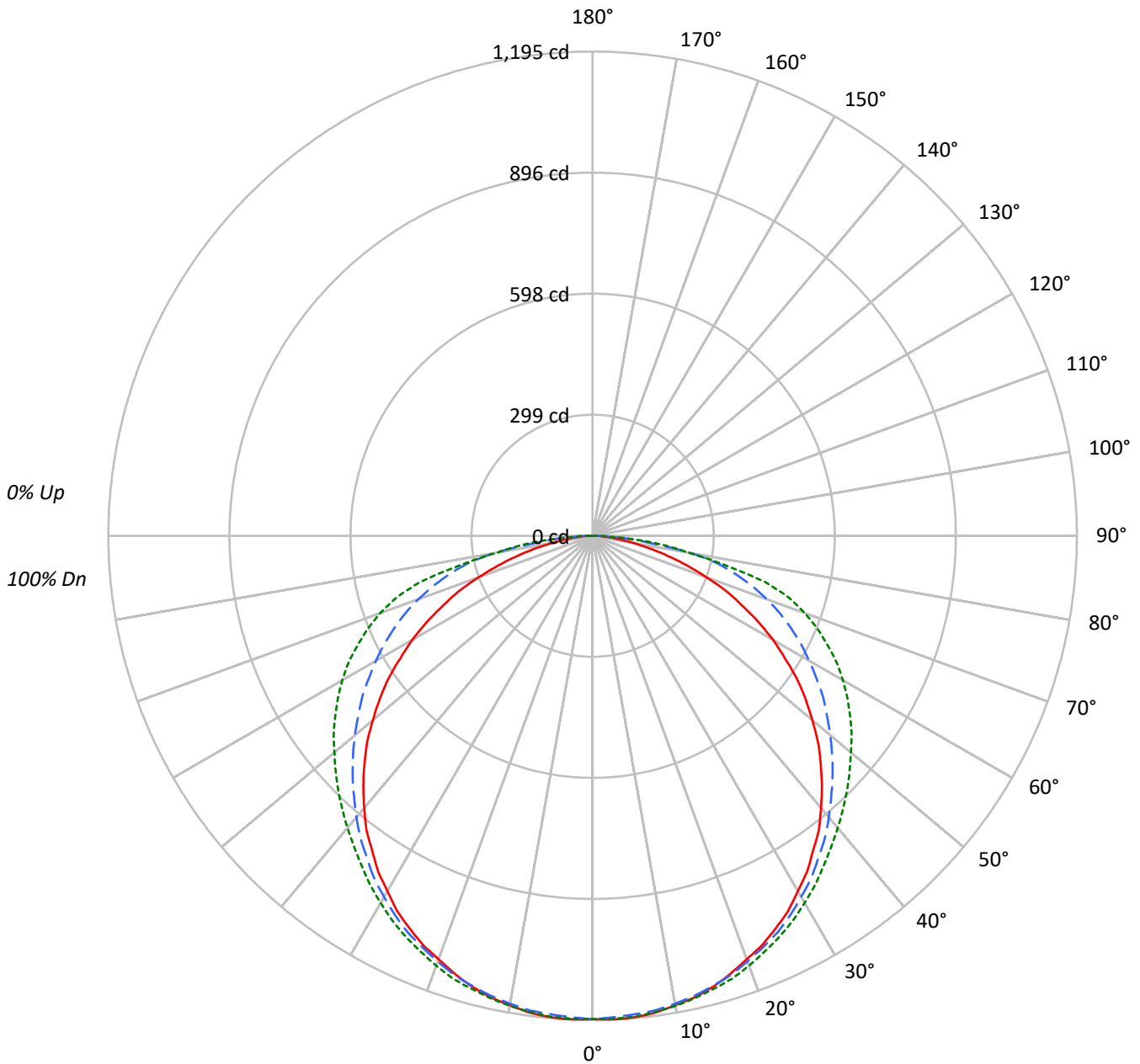
Lumens per Lamp: N/A
Luminaire Lumens: 3794.0 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

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				
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°	1684	1684	1684
5°	1690	1680	1688
10°	1685	1680	1688
15°	1683	1680	1691
20°	1670	1679	1696
25°	1665	1682	1700
30°	1650	1677	1705
35°	1634	1673	1712
40°	1616	1671	1734
45°	1589	1672	1773
50°	1553	1681	1827
55°	1514	1709	1908
60°	1450	1742	2013
65°	1357	1804	2137
70°	1235	1887	2299
75°	1047	1991	2402
80°	827	2003	1942
85°	610	1525	1705



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.2	3.0
10°-20°	325.7	8.6
20°-30°	498.1	13.1
30°-40°	608.9	16.0
40°-50°	649.0	17.1
50°-60°	620.5	16.4
60°-70°	525.6	13.9
70°-80°	353.3	9.3
80°-90°	99.7	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°	937.0	24.7
0°-40°	1545.9	40.7
0°-60°	2815.4	74.2
0°-90°	3794.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3794.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1193	1193	1193	1193	1193	
5°	1193	1191	1186	1191	1191	113
15°	1152	1152	1150	1159	1157	325
25°	1069	1073	1080	1090	1092	493
35°	948	956	971	990	994	594
45°	796	809	838	873	888	614
55°	615	638	694	749	775	548
65°	406	448	540	612	640	404
75°	192	262	365	427	440	206
85°	38	77	94	102	105	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1193.1	1193.1	1193.1	1193.1	1193.1
2.5°	1194.9	1194.9	1189.3	1193.1	1193.1
5°	1193.1	1191.3	1185.6	1191.3	1191.3
7.5°	1187.4	1185.6	1181.8	1187.4	1185.6
10°	1176.1	1176.1	1172.5	1178.1	1178.1
12.5°	1166.8	1165.0	1162.9	1170.4	1168.6
15°	1151.8	1151.8	1149.8	1159.3	1157.3
17.5°	1133.0	1134.8	1136.6	1144.1	1146.1
20°	1112.1	1116.0	1117.8	1129.1	1129.1
22.5°	1093.3	1095.3	1098.9	1110.3	1110.3
25°	1069.0	1072.6	1080.1	1089.6	1091.5
27.5°	1044.5	1046.3	1055.8	1069.0	1070.8
30°	1012.5	1018.2	1029.3	1044.5	1046.3
32.5°	984.1	989.8	1003.0	1018.2	1021.8
35°	948.5	956.0	971.0	989.8	993.7
37.5°	916.5	922.2	941.0	961.7	967.3
40°	877.0	888.1	907.0	931.5	941.0
42.5°	837.5	848.7	871.4	903.3	914.7
45°	796.0	809.2	837.5	873.2	888.1
47.5°	754.7	769.7	801.7	843.0	860.0
50°	707.5	726.4	765.8	813.0	831.9
52.5°	662.4	685.1	728.4	781.0	805.5
55°	615.4	637.9	694.4	749.0	775.4
57.5°	562.7	592.7	654.9	717.0	745.2
60°	513.7	541.9	617.2	685.1	713.2
62.5°	461.1	498.8	579.5	651.0	679.4
65°	406.4	447.9	540.1	611.5	639.9
67.5°	357.6	402.8	500.6	572.1	600.4
70°	299.3	355.6	457.2	528.7	557.1
72.5°	244.6	306.8	412.1	481.7	508.1
75°	192.0	261.6	365.1	427.3	440.4
77.5°	143.0	216.5	316.1	342.4	333.1
80°	101.7	173.1	246.4	233.3	238.9
82.5°	65.8	131.8	152.5	173.1	178.8
85°	37.7	77.2	94.2	101.7	105.3
87.5°	17.0	28.1	37.7	37.7	35.9
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)