

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: P843029

Luminaire Tested: **24CZ2-35HE-RDP-UNV-B40**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P843029
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: 24CZ2-35HE-RDP-UNV-B40
Description: 2X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 4000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

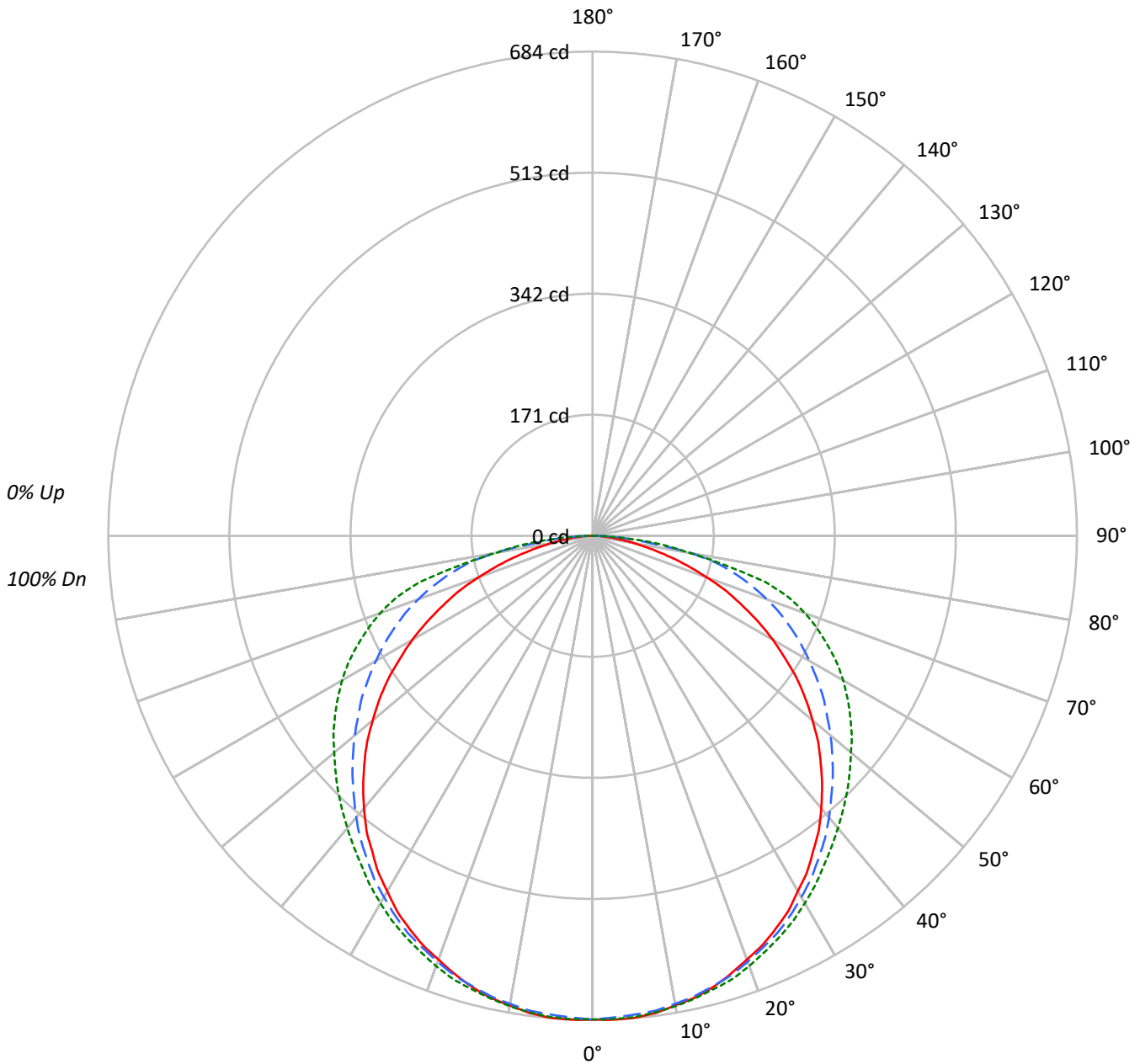
Lumens per Lamp: N/A
Luminaire Lumens: 2173.0 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 26
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

TEST NUMBER: P843029

CATALOG NUMBER: 24CZ2-35HE-RDP-UNV-B40

Luminous Intensity Polar Plot





TEST NUMBER: P843029

CATALOG NUMBER: 24CZ2-35HE-RDP-UNV-B40

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	68	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°	965	965	965
5°	968	962	967
10°	965	962	967
15°	964	962	968
20°	957	962	971
25°	953	963	973
30°	945	961	977
35°	936	958	981
40°	925	957	993
45°	910	957	1015
50°	890	963	1046
55°	867	979	1093
60°	830	998	1153
65°	777	1033	1224
70°	707	1081	1317
75°	599	1140	1376
80°	473	1147	1113
85°	350	873	976



TEST NUMBER: P843029

CATALOG NUMBER: 24CZ2-35HE-RDP-UNV-B40

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.8	3.0
10°-20°	186.6	8.6
20°-30°	285.3	13.1
30°-40°	348.8	16.0
40°-50°	371.7	17.1
50°-60°	355.4	16.4
60°-70°	301.1	13.9
70°-80°	202.3	9.3
80°-90°	57.1	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°	536.7	24.7
0°-40°	885.4	40.7
0°-60°	1612.5	74.2
0°-90°	2173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2173.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	683	683	683	683	683	
5°	683	682	679	682	682	65
15°	660	660	658	664	663	186
25°	612	614	619	624	625	282
35°	543	548	556	567	569	340
45°	456	464	480	500	509	352
55°	352	365	398	429	444	314
65°	233	256	309	350	366	231
75°	110	150	209	245	252	118
85°	22	44	54	58	60	27
90°	0	0	0	0	0	



TEST NUMBER: P843029

CATALOG NUMBER: 24CZ2-35HE-RDP-UNV-B40

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	683.4	683.4	683.4	683.4	683.4
2.5°	684.4	684.4	681.1	683.4	683.4
5°	683.4	682.3	679.1	682.3	682.3
7.5°	680.1	679.1	676.9	680.1	679.1
10°	673.6	673.6	671.5	674.8	674.8
12.5°	668.3	667.2	666.1	670.4	669.3
15°	659.7	659.7	658.5	664.0	662.8
17.5°	648.9	650.0	651.0	655.3	656.5
20°	637.0	639.2	640.2	646.7	646.7
22.5°	626.2	627.3	629.4	635.9	635.9
25°	612.3	614.3	618.6	624.1	625.1
27.5°	598.2	599.3	604.7	612.3	613.3
30°	579.9	583.2	589.5	598.2	599.3
32.5°	563.7	566.9	574.4	583.2	585.2
35°	543.3	547.5	556.1	566.9	569.1
37.5°	524.9	528.2	539.0	550.8	554.0
40°	502.3	508.7	519.5	533.5	539.0
42.5°	479.7	486.1	499.1	517.4	523.9
45°	455.9	463.5	479.7	500.1	508.7
47.5°	432.3	440.8	459.2	482.8	492.6
50°	405.2	416.0	438.6	465.7	476.4
52.5°	379.4	392.4	417.2	447.3	461.4
55°	352.5	365.3	397.7	429.0	444.1
57.5°	322.3	339.5	375.1	410.7	426.8
60°	294.2	310.4	353.5	392.4	408.5
62.5°	264.1	285.7	331.9	372.9	389.1
65°	232.8	256.5	309.3	350.3	366.5
67.5°	204.8	230.7	286.7	327.6	343.9
70°	171.4	203.7	261.9	302.8	319.1
72.5°	140.1	175.7	236.0	275.9	291.0
75°	109.9	149.8	209.1	244.7	252.3
77.5°	81.9	124.0	181.0	196.1	190.8
80°	58.2	99.2	141.1	133.6	136.9
82.5°	37.7	75.5	87.3	99.2	102.4
85°	21.6	44.2	53.9	58.2	60.3
87.5°	9.7	16.1	21.6	21.6	20.5
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)