

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: P732173

Luminaire Tested: **24CZ2-35HE-RDP-B2750-W2D-3500K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732173
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-B2750-W2D-3500K
Description: 2X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3500K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

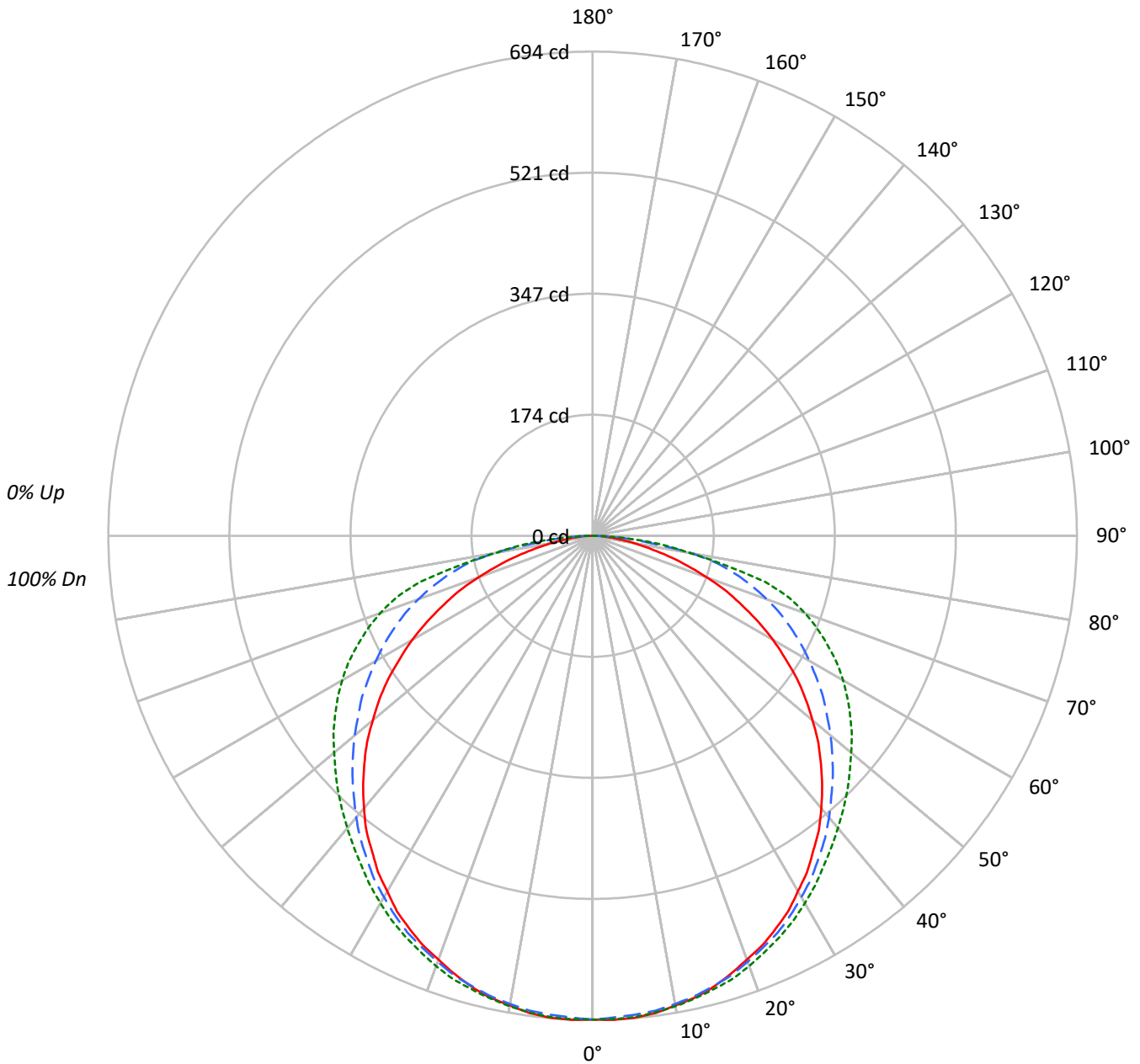
Lumens per Lamp: N/A
Luminaire Lumens: 2205.0 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 26
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

TEST NUMBER: P732173

CATALOG NUMBER: 24CZ2-35HE-RDP-B2750-W2D-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P732173

CATALOG NUMBER: 24CZ2-35HE-RDP-B2750-W2D-3500K

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°	979	979	979
5°	982	976	981
10°	980	977	981
15°	978	976	983
20°	971	976	986
25°	968	977	988
30°	959	975	991
35°	950	972	995
40°	939	971	1008
45°	923	972	1030
50°	903	977	1062
55°	880	993	1109
60°	843	1012	1170
65°	789	1048	1242
70°	718	1096	1336
75°	609	1157	1396
80°	480	1164	1129
85°	355	886	991



TEST NUMBER: P732173

CATALOG NUMBER: 24CZ2-35HE-RDP-B2750-W2D-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	3.0
10°-20°	189.3	8.6
20°-30°	289.5	13.1
30°-40°	353.9	16.0
40°-50°	377.2	17.1
50°-60°	360.6	16.4
60°-70°	305.5	13.9
70°-80°	205.3	9.3
80°-90°	57.9	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°	544.6	24.7
0°-40°	898.5	40.7
0°-60°	1636.3	74.2
0°-90°	2205.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2205.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	693	693	693	693	693	
5°	693	692	689	692	692	66
15°	669	669	668	674	673	189
25°	621	623	628	633	634	286
35°	551	556	564	575	578	345
45°	463	470	487	508	516	357
55°	358	371	404	435	451	319
65°	236	260	314	355	372	235
75°	112	152	212	248	256	119
85°	22	45	55	59	61	27
90°	0	0	0	0	0	



TEST NUMBER: P732173

CATALOG NUMBER: 24CZ2-35HE-RDP-B2750-W2D-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	693.4	693.4	693.4	693.4	693.4
2.5°	694.5	694.5	691.2	693.4	693.4
5°	693.4	692.4	689.1	692.4	692.4
7.5°	690.1	689.1	686.8	690.1	689.1
10°	683.5	683.5	681.4	684.7	684.7
12.5°	678.1	677.1	675.9	680.2	679.2
15°	669.4	669.4	668.2	673.8	672.6
17.5°	658.5	659.5	660.6	664.9	666.1
20°	646.3	648.6	649.6	656.2	656.2
22.5°	635.4	636.6	638.7	645.3	645.3
25°	621.3	623.4	627.7	633.3	634.3
27.5°	607.0	608.1	613.6	621.3	622.3
30°	588.4	591.7	598.2	607.0	608.1
32.5°	572.0	575.3	582.9	591.7	593.8
35°	551.3	555.6	564.3	575.3	577.5
37.5°	532.7	536.0	546.9	558.9	562.2
40°	509.7	516.2	527.1	541.4	546.9
42.5°	486.8	493.2	506.4	525.0	531.6
45°	462.6	470.3	486.8	507.5	516.2
47.5°	438.6	447.3	465.9	489.9	499.8
50°	411.2	422.1	445.1	472.5	483.5
52.5°	385.0	398.1	423.3	453.9	468.2
55°	357.7	370.7	403.5	435.3	450.6
57.5°	327.1	344.5	380.6	416.7	433.1
60°	298.6	314.9	358.7	398.1	414.5
62.5°	268.0	289.9	336.8	378.4	394.8
65°	236.2	260.3	313.9	355.4	371.9
67.5°	207.8	234.1	290.9	332.5	349.0
70°	173.9	206.7	265.7	307.3	323.8
72.5°	142.2	178.3	239.5	280.0	295.3
75°	111.6	152.1	212.2	248.3	256.0
77.5°	83.1	125.8	183.7	199.0	193.6
80°	59.1	100.6	143.2	135.6	138.9
82.5°	38.2	76.6	88.6	100.6	103.9
85°	21.9	44.8	54.7	59.1	61.2
87.5°	9.9	16.4	21.9	21.9	20.8
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)