

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: P732172

Luminaire Tested: **24CZ2-35HE-RDP-B2750-W2D-3000K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732172
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-3000K
Description: 2X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 3000K CCT AND RDP LENS

Light Source: -
Ballast/Driver: -

Summary

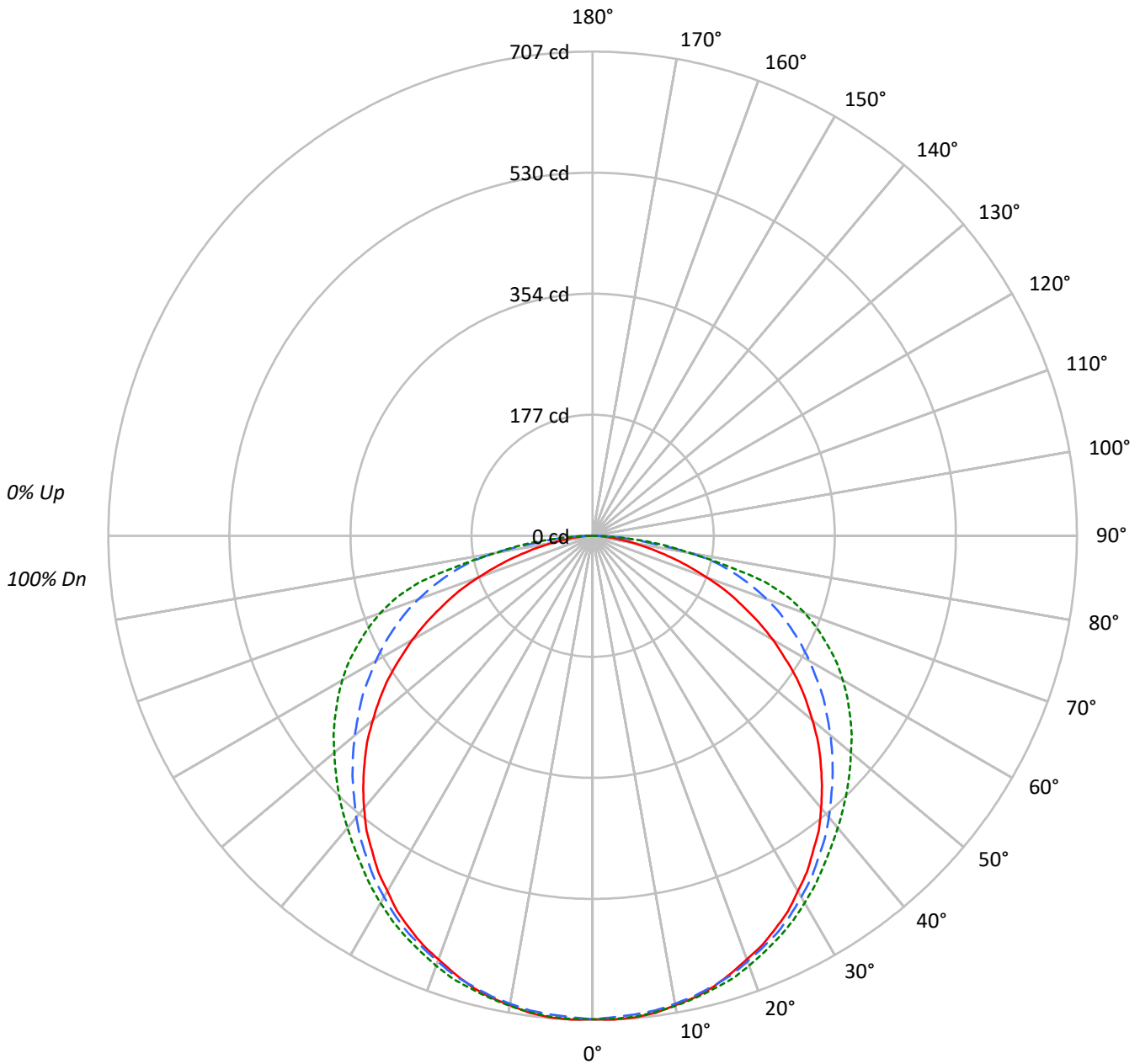
Lumens per Lamp: N/A
Luminaire Lumens: 2245.0 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.3 / 1.41
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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°	996	996	996
5°	1000	994	999
10°	997	994	999
15°	996	994	1001
20°	988	993	1003
25°	985	995	1006
30°	976	993	1009
35°	967	990	1013
40°	956	989	1026
45°	940	989	1049
50°	919	995	1081
55°	896	1011	1129
60°	858	1031	1191
65°	803	1067	1264
70°	731	1117	1360
75°	619	1178	1421
80°	489	1185	1149
85°	361	902	1009



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.0	3.0
10°-20°	192.7	8.6
20°-30°	294.7	13.1
30°-40°	360.3	16.0
40°-50°	384.0	17.1
50°-60°	367.2	16.4
60°-70°	311.0	13.9
70°-80°	209.0	9.3
80°-90°	59.0	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°	554.4	24.7
0°-40°	914.8	40.7
0°-60°	1665.9	74.2
0°-90°	2245.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2245.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	706	706	706	706	706	
5°	706	705	702	705	705	67
15°	682	682	680	686	685	192
25°	632	635	639	645	646	292
35°	561	566	574	586	588	352
45°	471	479	496	517	526	363
55°	364	377	411	443	459	324
65°	240	265	320	362	379	239
75°	114	155	216	253	261	122
85°	22	46	56	60	62	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	706.0	706.0	706.0	706.0	706.0
2.5°	707.1	707.1	703.7	706.0	706.0
5°	706.0	704.9	701.6	704.9	704.9
7.5°	702.6	701.6	699.3	702.6	701.6
10°	695.9	695.9	693.8	697.1	697.1
12.5°	690.4	689.3	688.1	692.6	691.5
15°	681.6	681.6	680.3	686.0	684.8
17.5°	670.4	671.5	672.6	677.0	678.2
20°	658.1	660.3	661.4	668.1	668.1
22.5°	646.9	648.1	650.3	657.0	657.0
25°	632.5	634.7	639.1	644.8	645.8
27.5°	618.0	619.1	624.8	632.5	633.6
30°	599.1	602.5	609.1	618.0	619.1
32.5°	582.3	585.7	593.5	602.5	604.6
35°	561.3	565.7	574.5	585.7	588.0
37.5°	542.3	545.7	556.8	569.0	572.4
40°	519.0	525.5	536.7	551.2	556.8
42.5°	495.6	502.2	515.6	534.5	541.2
45°	471.0	478.8	495.6	516.7	525.5
47.5°	446.6	455.4	474.4	498.8	508.9
50°	418.7	429.8	453.2	481.1	492.2
52.5°	391.9	405.4	431.0	462.2	476.7
55°	364.1	377.4	410.9	443.2	458.8
57.5°	333.0	350.7	387.5	424.3	440.9
60°	304.0	320.6	365.2	405.4	422.0
62.5°	272.8	295.1	342.9	385.2	402.0
65°	240.5	265.1	319.6	361.9	378.6
67.5°	211.6	238.3	296.2	338.5	355.3
70°	177.1	210.4	270.6	312.9	329.6
72.5°	144.7	181.5	243.8	285.1	300.6
75°	113.6	154.8	216.0	252.8	260.6
77.5°	84.6	128.1	187.0	202.6	197.1
80°	60.2	102.4	145.8	138.0	141.4
82.5°	38.9	78.0	90.2	102.4	105.8
85°	22.3	45.7	55.7	60.2	62.3
87.5°	10.1	16.6	22.3	22.3	21.2
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)