

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: P732166

Luminaire Tested: **24CZ2-35HE-HRP-B2750-W2D-2700K**

Issue Date: 1/5/2024



Test Information

Test Method: LM-79-08
Report Number: P732166
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P295011)
Test Lab: INNOVATIONS CENTER(G3)
Issue Date: 1/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CZ2-35HE-HRP-B2750-W2D-2700K
Description: 2X4 3500 LUMEN CRUZE TROFFER WITH BIO UP LEDS AT 2700K CCT AND HRP LENS

Light Source: -
Ballast/Driver: -

Summary

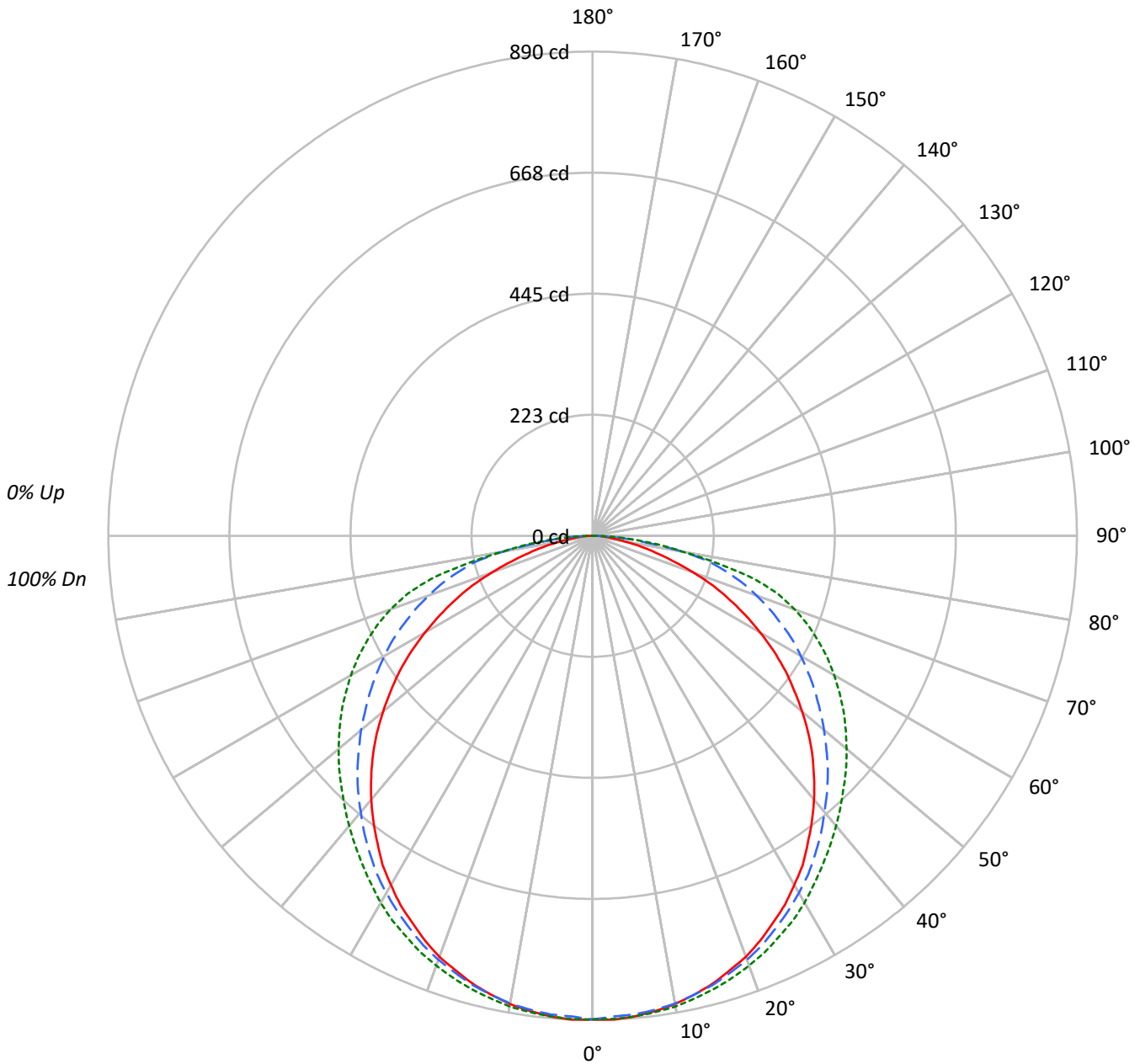
Lumens per Lamp: N/A
Luminaire Lumens: 2740.0 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.3 / 1.4
Luminous Opening: Rectangular (W 1.92' x L: 3.98' x H: 0')
CIE Type: Direct

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	101	96	93	96	93	90	92	90	87	89	86	84	82				82
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	67				67
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56				56
4	81	68	59	52	79	67	59	52	65	57	51	62	56	50	60	54	50	48				48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41				41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36				36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31				31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28				28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	38	31	27	25				25
10	52	38	30	25	50	38	30	25	37	30	25	36	29	24	35	29	24	23				23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1255	1255	1255
5°	1256	1251	1256
10°	1253	1251	1259
15°	1245	1249	1260
20°	1237	1246	1263
25°	1222	1240	1265
30°	1208	1236	1269
35°	1188	1229	1271
40°	1166	1221	1283
45°	1140	1220	1303
50°	1103	1219	1337
55°	1064	1228	1386
60°	1004	1246	1447
65°	927	1276	1528
70°	810	1320	1629
75°	657	1388	1682
80°	484	1361	1361
85°	372	1004	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.2	3.1
10°-20°	241.8	8.8
20°-30°	368.2	13.4
30°-40°	447.0	16.3
40°-50°	472.3	17.2
50°-60°	445.6	16.3
60°-70°	370.5	13.5
70°-80°	243.8	8.9
80°-90°	66.5	2.4
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°	694.2	25.3
0°-40°	1141.2	41.7
0°-60°	2059.2	75.2
0°-90°	2740.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2740.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	889	889	889	889	889	
5°	887	887	883	887	887	84
15°	852	853	855	863	863	240
25°	785	789	796	810	812	362
35°	689	697	714	732	738	432
45°	571	583	611	641	653	440
55°	432	451	499	546	563	385
65°	278	310	382	438	458	274
75°	120	176	255	302	308	130
85°	23	50	62	69	70	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	889.0	889.0	889.0	889.0	889.0
2.5°	890.2	889.0	884.3	889.0	889.0
5°	886.8	886.8	883.2	886.8	886.8
7.5°	880.9	880.9	878.7	883.2	883.2
10°	874.1	874.1	872.9	878.7	878.7
12.5°	863.8	864.9	863.8	870.6	870.6
15°	852.3	853.4	854.6	862.6	862.6
17.5°	837.4	839.7	841.9	851.2	852.3
20°	823.6	824.8	829.3	839.7	840.8
22.5°	805.2	808.7	814.4	824.8	828.2
25°	784.6	789.2	796.1	809.9	812.1
27.5°	765.0	768.6	777.7	792.6	797.2
30°	741.1	746.7	758.2	773.1	778.8
32.5°	718.1	723.8	737.5	753.7	758.2
35°	689.4	697.4	713.5	731.8	737.5
37.5°	661.9	669.9	689.4	710.0	717.0
40°	633.1	642.3	663.0	687.2	696.2
42.5°	602.2	614.8	637.8	664.2	674.5
45°	571.3	582.8	611.4	641.2	652.7
47.5°	537.9	551.7	582.8	618.2	632.0
50°	502.5	519.6	555.2	594.2	609.1
52.5°	466.9	486.3	526.4	570.1	586.2
55°	432.4	450.8	498.9	546.0	563.2
57.5°	394.7	417.5	470.3	520.8	537.9
60°	355.6	380.9	441.6	494.4	512.7
62.5°	316.6	345.3	414.1	466.9	486.3
65°	277.6	309.7	382.0	438.2	457.6
67.5°	239.7	275.3	352.1	408.4	427.8
70°	196.2	240.9	320.0	375.1	394.7
72.5°	156.0	207.7	289.1	340.7	357.9
75°	120.4	175.5	254.6	301.7	308.5
77.5°	88.4	143.4	219.0	235.2	236.3
80°	59.6	114.8	167.5	165.1	167.5
82.5°	39.0	86.0	105.5	118.2	119.3
85°	23.0	50.5	62.0	68.8	69.9
87.5°	11.5	17.2	21.8	23.0	25.3
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)