

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: P828199

Luminaire Tested: **OHB-24HE-W-UNV-L940-CD-UPL24**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P828199
REPORT IS A COMBINATION OF REPORTS P826208 AND G3-2310-221-6
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-24HE-W-UNV-L940-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

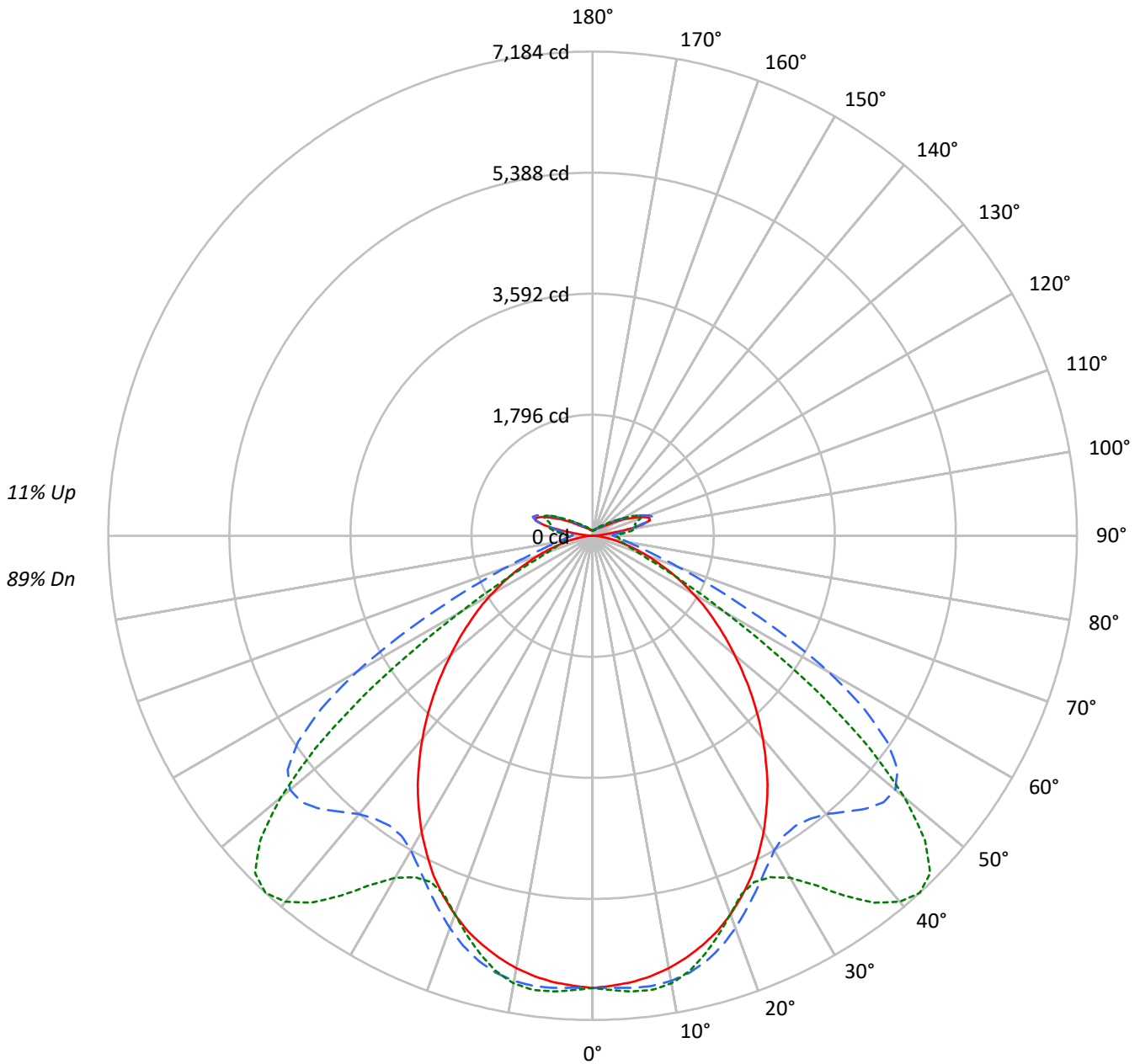
Lumens per Lamp: N/A
Luminaire Lumens: 22196.3 lumens
Efficiency: N/A
Efficacy: 150.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 147.4
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									
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89																			
1	107	102	98	94	103	99	95	92	92	89	87	87	84	82	81	79	78	75																			
2	97	89	83	77	94	86	81	76	81	76	72	76	72	69	72	68	66	63																			
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	63	59	56	53																			
4	81	69	61	54	78	67	60	53	63	57	52	60	54	50	56	52	48	45																			
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	41	39																			
6	69	56	47	40	66	54	46	40	51	44	39	48	42	37	46	40	36	34																			
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30																			
8	59	46	37	31	57	44	36	31	42	35	30	40	34	29	38	33	28	26																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	51	38	30	25	49	37	30	25	36	29	24	34	28	24	32	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20756	20756	20756
5°	20476	20683	20915
10°	20133	20607	20863
15°	19656	20223	20119
20°	19035	19485	19059
25°	18235	18603	18601
30°	17204	17936	19929
35°	16043	18220	23210
40°	14716	19676	26689
45°	13337	22246	28516
50°	11908	24507	26350
55°	10564	24369	19964
60°	9200	20505	12078
65°	7771	14062	7217
70°	6179	9008	5113
75°	4552	6371	4607
80°	3094	5481	4953
85°	1872	5799	7064



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	641.3	2.9
10°-20°	1815.8	8.2
20°-30°	2657.2	12.0
30°-40°	3450.9	15.5
40°-50°	4214.0	19.0
50°-60°	3711.0	16.7
60°-70°	1933.8	8.7
70°-80°	829.3	3.7
80°-90°	403.6	1.8
90°-100°	388.7	1.8
100°-110°	816.1	3.7
110°-120°	669.1	3.0
120°-130°	325.4	1.5
130°-140°	162.9	0.7
140°-150°	92.5	0.4
150°-160°	51.8	0.2
160°-170°	25.2	0.1
170°-180°	7.7	0.0
0°-30°	5114.2	23.0
0°-40°	8565.1	38.6
0°-60°	16490.1	74.3
0°-90°	19656.9	88.6
90°-120°	1873.9	8.4
90°-150°	2454.7	11.1
90°-180°	2539.0	11.4
0°-180°	22196.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6710	6710	6710	6710	6710	
5°	6648	6699	6735	6794	6787	630
15°	6290	6467	6529	6480	6428	1771
25°	5574	5872	5772	5664	5669	2558
35°	4524	5002	5252	6126	6518	2820
45°	3331	4191	5729	6936	7081	2569
55°	2218	3672	5335	4678	4158	1991
65°	1273	2544	2442	1358	1168	1259
75°	512	1190	785	537	510	559
85°	109	424	400	391	395	121
90°	6	183	304	355	368	11
95°	49	186	359	444	478	145
105°	878	913	870	686	646	834
115°	610	637	692	709	706	616
125°	304	324	365	378	377	284
135°	183	186	207	224	227	144
145°	138	138	142	152	156	87
155°	112	114	113	114	114	51
165°	87	88	89	89	89	25
175°	78	79	79	80	80	8
180°	78	78	78	78	78	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6710.4	6710.4	6710.4	6710.4	6710.4
2.5°	6681.4	6710.4	6711.8	6752.4	6748.0
5°	6648.1	6698.8	6735.0	6794.4	6787.1
7.5°	6593.1	6672.7	6736.5	6801.6	6795.8
10°	6514.9	6623.5	6707.5	6761.1	6743.7
12.5°	6413.5	6556.9	6639.4	6651.0	6617.7
15°	6290.5	6467.1	6529.4	6480.1	6428.1
17.5°	6151.5	6358.6	6380.2	6273.1	6208.0
20°	5977.8	6213.7	6192.1	6044.4	5972.0
22.5°	5785.3	6054.6	5985.0	5830.1	5760.6
25°	5573.8	5872.1	5772.2	5663.6	5669.4
27.5°	5326.3	5665.0	5568.1	5617.3	5710.0
30°	5074.4	5447.9	5388.6	5675.2	5857.6
32.5°	4797.9	5224.9	5278.5	5844.6	6142.8
35°	4524.2	5002.0	5252.5	6125.5	6517.8
37.5°	4221.7	4776.1	5294.5	6449.8	6861.0
40°	3927.8	4556.1	5390.0	6740.8	7088.2
42.5°	3628.1	4359.2	5550.7	6913.0	7183.8
45°	3331.3	4191.2	5728.8	6936.2	7081.0
47.5°	3034.5	4049.4	5851.8	6752.4	6685.8
50°	2747.9	3923.5	5860.5	6310.8	6038.6
52.5°	2480.0	3807.6	5701.3	5607.1	5184.4
55°	2218.0	3671.5	5335.0	4677.7	4157.9
57.5°	1979.1	3483.3	4770.4	3678.8	3111.2
60°	1725.8	3228.5	4040.7	2691.4	2244.0
62.5°	1492.7	2911.4	3222.7	1873.4	1612.8
65°	1272.6	2543.7	2442.4	1358.0	1168.4
67.5°	1039.5	2162.9	1802.4	990.3	868.7
70°	857.1	1809.7	1342.1	770.2	699.3
72.5°	670.3	1473.8	1003.3	625.4	586.4
75°	512.5	1190.1	784.7	537.1	509.6
77.5°	377.9	941.0	631.2	474.9	448.8
80°	264.9	741.3	528.4	424.2	414.0
82.5°	178.1	573.3	450.3	403.9	405.3
85°	108.6	424.2	399.6	390.9	395.2
87.5°	52.1	301.2	343.1	356.1	360.5
90°	5.8	183.0	304.4	355.1	368.4
92.5°	14.8	156.4	294.2	358.0	376.5
95°	48.9	186.2	359.4	444.4	477.7
97.5°	236.7	326.8	460.4	555.4	588.4
100°	484.3	573.2	579.2	638.9	651.0
102.5°	746.0	793.7	687.9	664.1	660.0
105°	877.9	913.2	869.9	686.2	646.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	711.2	747.7	794.6	794.8	769.9
115°	610.4	636.7	691.7	708.8	706.5
117.5°	524.9	541.7	592.9	609.4	611.7
120°	436.2	457.3	507.1	520.1	516.4
122.5°	367.5	385.2	429.4	443.7	439.9
125°	304.0	324.0	364.8	378.5	377.3
127.5°	257.4	270.1	310.7	326.0	326.6
130°	225.2	232.1	266.9	282.2	286.0
132.5°	200.8	206.9	233.3	251.3	253.3
135°	182.6	186.1	206.6	224.3	227.4
137.5°	167.8	170.4	185.7	202.8	205.7
140°	154.8	158.2	168.4	184.6	186.9
142.5°	144.9	146.9	154.8	168.1	169.5
145°	137.6	138.2	142.3	151.8	155.6
147.5°	129.8	131.9	133.6	141.1	142.6
150°	123.7	125.5	125.2	128.9	132.8
152.5°	117.6	119.4	119.1	120.0	122.9
155°	112.4	114.2	113.0	113.9	113.9
157.5°	96.5	98.2	100.0	100.9	100.9
160°	93.0	93.9	95.6	96.5	96.5
162.5°	89.6	90.4	91.3	92.2	92.2
165°	86.9	87.8	88.7	88.7	88.7
167.5°	84.3	84.3	85.2	86.1	86.1
170°	81.7	82.6	82.6	83.5	83.5
172.5°	80.0	80.9	80.9	80.9	81.7
175°	78.2	79.1	79.1	80.0	80.0
177.5°	78.2	78.2	78.2	78.2	78.2
180°	78.2	78.2	78.2	78.2	78.2



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	882.7	923.9	932.8	780.1	676.9
110°	814.9	854.7	883.5	839.8	757.5



(END OF REPORT)