

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: P828217

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828217
REPORT IS A COMBINATION OF REPORTS P826214 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-24SE-W-UNV-L940-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

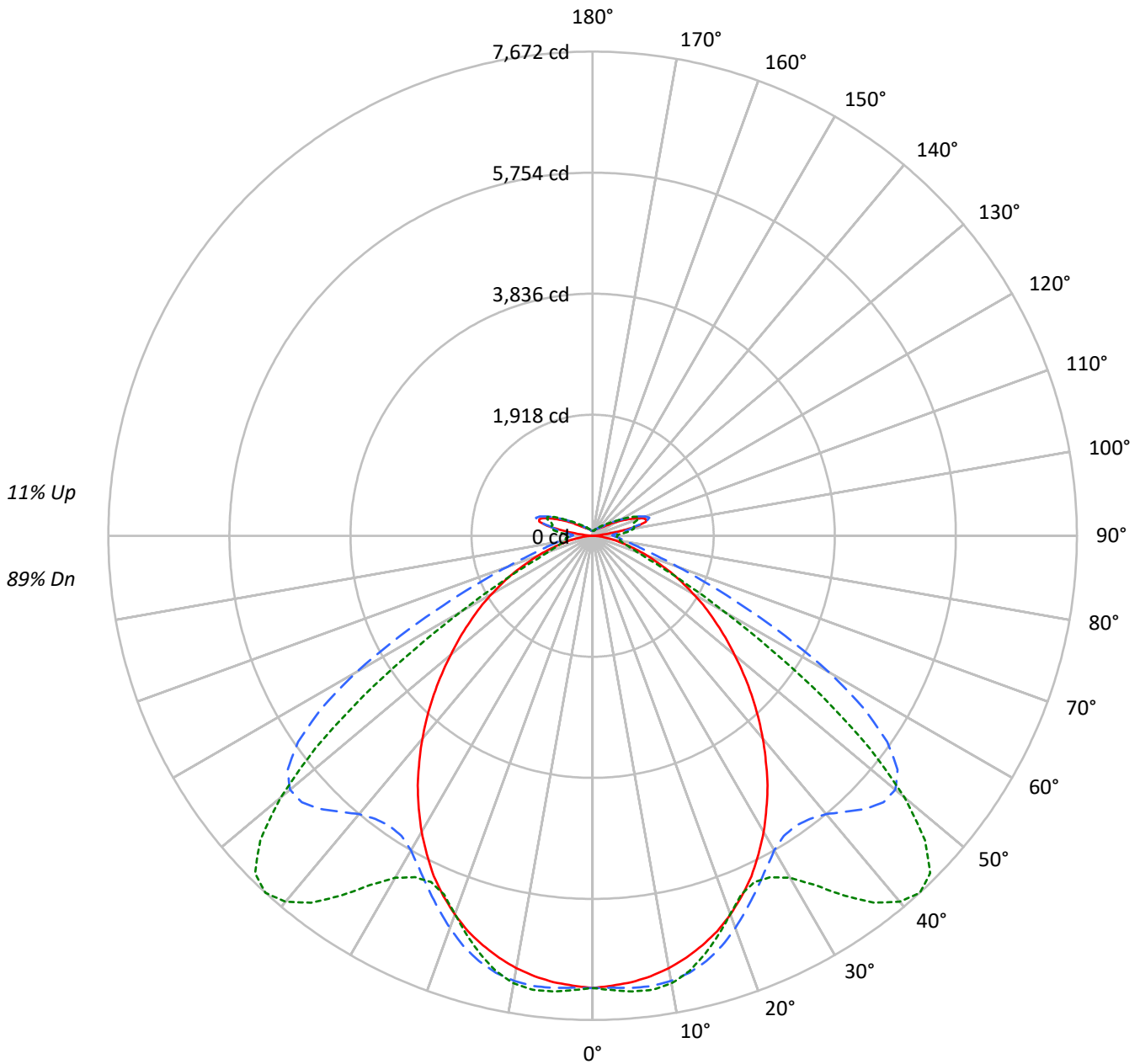
Lumens per Lamp: N/A
Luminaire Lumens: 23561.3 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 164
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	93	90	87	87	85	82	82	80	78	75																			
2	97	89	83	77	94	87	81	76	81	77	72	77	73	69	72	69	66	63																			
3	89	79	71	65	85	76	69	63	72	66	61	68	63	58	64	60	56	53																			
4	81	70	61	55	78	68	60	54	64	57	52	60	54	50	57	52	48	46																			
5	75	62	53	47	72	60	52	46	57	50	45	54	48	43	51	46	42	39																			
6	69	56	47	41	66	54	46	40	51	44	39	49	42	38	46	41	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	37	31	42	35	30	40	34	29	38	33	29	27																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	51	38	31	25	50	37	30	25	36	29	24	34	28	24	33	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23939	23939	23939
5°	23601	23844	24123
10°	23192	23747	24063
15°	22626	23293	23205
20°	21897	22432	21982
25°	20963	21407	21454
30°	19762	20629	22985
35°	18414	20944	26769
40°	16875	22603	30783
45°	15279	25539	32889
50°	13626	28114	30391
55°	12071	27929	23026
60°	10495	23475	13930
65°	8845	16077	8323
70°	7013	10280	5897
75°	5144	7252	5315
80°	3472	6215	5713
85°	2074	6528	8148



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	684.8	2.9
10°-20°	1939.2	8.2
20°-30°	2837.7	12.0
30°-40°	3685.3	15.6
40°-50°	4500.2	19.1
50°-60°	3963.1	16.8
60°-70°	2065.2	8.8
70°-80°	885.6	3.8
80°-90°	430.7	1.8
90°-100°	401.4	1.7
100°-110°	824.0	3.5
110°-120°	673.8	2.9
120°-130°	327.9	1.4
130°-140°	164.1	0.7
140°-150°	93.1	0.4
150°-160°	52.0	0.2
160°-170°	25.2	0.1
170°-180°	7.7	0.0
0°-30°	5461.7	23.2
0°-40°	9147.0	38.8
0°-60°	17610.4	74.7
0°-90°	20992.0	89.1
90°-120°	1899.2	8.1
90°-150°	2484.4	10.5
90°-180°	2569.0	10.9
0°-180°	23561.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7166	7166	7166	7166	7166	
5°	7100	7154	7193	7256	7248	673
15°	6718	6906	6973	6920	6865	1892
25°	5953	6271	6164	6048	6055	2732
35°	4832	5342	5609	6542	6961	3011
45°	3558	4476	6118	7407	7562	2743
55°	2369	3921	5698	4996	4440	2126
65°	1359	2716	2608	1450	1248	1345
75°	547	1271	838	574	544	597
85°	116	453	427	417	422	129
90°	6	194	322	376	389	11
95°	49	192	374	461	495	145
105°	878	917	879	697	658	834
115°	611	639	697	716	714	616
125°	305	325	368	383	382	285
135°	183	187	208	227	230	145
145°	138	139	143	153	157	87
155°	113	115	114	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°	7166.2	7166.2	7166.2	7166.2	7166.2
2.5°	7135.4	7166.2	7167.8	7211.1	7206.5
5°	7099.8	7153.9	7192.6	7255.9	7248.2
7.5°	7041.0	7126.1	7194.0	7263.7	7257.5
10°	6957.6	7073.5	7163.2	7220.4	7201.8
12.5°	6849.3	7002.3	7090.5	7102.8	7067.3
15°	6717.8	6906.5	6973.0	6920.4	6864.8
17.5°	6569.4	6790.5	6813.7	6699.3	6629.8
20°	6383.9	6635.9	6612.7	6455.0	6377.7
22.5°	6178.3	6465.9	6391.6	6226.2	6152.0
25°	5952.6	6271.0	6164.4	6048.4	6054.6
27.5°	5688.2	6049.9	5946.4	5998.9	6097.8
30°	5419.2	5818.1	5754.7	6060.8	6255.6
32.5°	5123.8	5579.9	5637.1	6241.7	6560.1
35°	4831.6	5341.9	5609.3	6541.6	6960.6
37.5°	4508.5	5100.7	5654.2	6887.9	7327.1
40°	4194.6	4865.7	5756.2	7198.7	7569.8
42.5°	3874.6	4655.4	5927.8	7382.7	7671.8
45°	3557.6	4476.0	6118.0	7407.4	7562.1
47.5°	3240.7	4324.5	6249.4	7211.1	7140.0
50°	2934.5	4189.9	6258.7	6739.5	6448.8
52.5°	2648.5	4066.3	6088.6	5988.1	5536.6
55°	2368.6	3920.9	5697.5	4995.5	4440.4
57.5°	2113.5	3719.9	5094.4	3928.7	3322.6
60°	1843.0	3447.9	4315.2	2874.2	2396.4
62.5°	1594.0	3109.2	3441.7	2000.7	1722.4
65°	1359.0	2716.5	2608.3	1450.2	1247.7
67.5°	1110.1	2309.9	1925.0	1057.5	927.7
70°	915.3	1932.7	1433.3	822.5	746.8
72.5°	715.8	1574.0	1071.4	667.9	626.2
75°	547.3	1270.9	838.0	573.6	544.3
77.5°	403.5	1005.0	674.1	507.1	479.3
80°	282.9	791.6	564.4	453.0	442.2
82.5°	190.1	612.3	480.8	431.3	432.9
85°	116.0	453.0	426.7	417.4	422.1
87.5°	55.6	321.6	366.5	380.4	385.0
90°	5.9	193.5	322.2	375.5	389.3
92.5°	14.8	164.3	310.0	376.3	395.3
95°	49.2	192.4	373.8	461.1	494.9
97.5°	237.0	331.9	473.2	570.7	604.0
100°	484.5	577.5	590.6	652.7	665.2
102.5°	746.2	797.6	698.1	676.5	672.6
105°	878.2	916.6	879.2	697.2	657.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	711.8	750.1	801.1	802.8	778.0
115°	611.0	638.7	697.4	715.8	713.6
117.5°	525.5	543.4	597.9	615.6	618.0
120°	436.8	458.8	511.4	525.7	522.0
122.5°	368.1	386.3	433.3	448.5	444.9
125°	304.7	325.0	368.2	382.7	381.7
127.5°	258.0	270.7	313.5	329.9	330.5
130°	225.8	232.8	269.3	285.6	289.5
132.5°	201.5	207.5	235.3	254.1	256.4
135°	183.2	186.7	208.2	226.9	230.2
137.5°	168.4	171.0	187.0	205.1	208.2
140°	155.4	158.8	169.4	186.6	188.9
142.5°	145.5	147.5	155.6	169.7	171.3
145°	138.4	138.9	142.9	153.1	157.1
147.5°	130.6	132.5	134.2	142.2	143.7
150°	124.5	126.2	125.8	129.7	133.7
152.5°	118.4	120.2	119.7	120.6	123.6
155°	113.2	114.9	113.6	114.5	114.5
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°	883.3	926.9	941.1	790.0	687.0
110°	815.5	857.3	890.8	848.6	766.5



(END OF REPORT)