

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: P828218

Luminaire Tested: **OHB-24SE-W-UNV-L940-CD-UPL36**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P828218
REPORT IS A COMBINATION OF REPORTS P826298 AND G3-2310-221-2
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-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

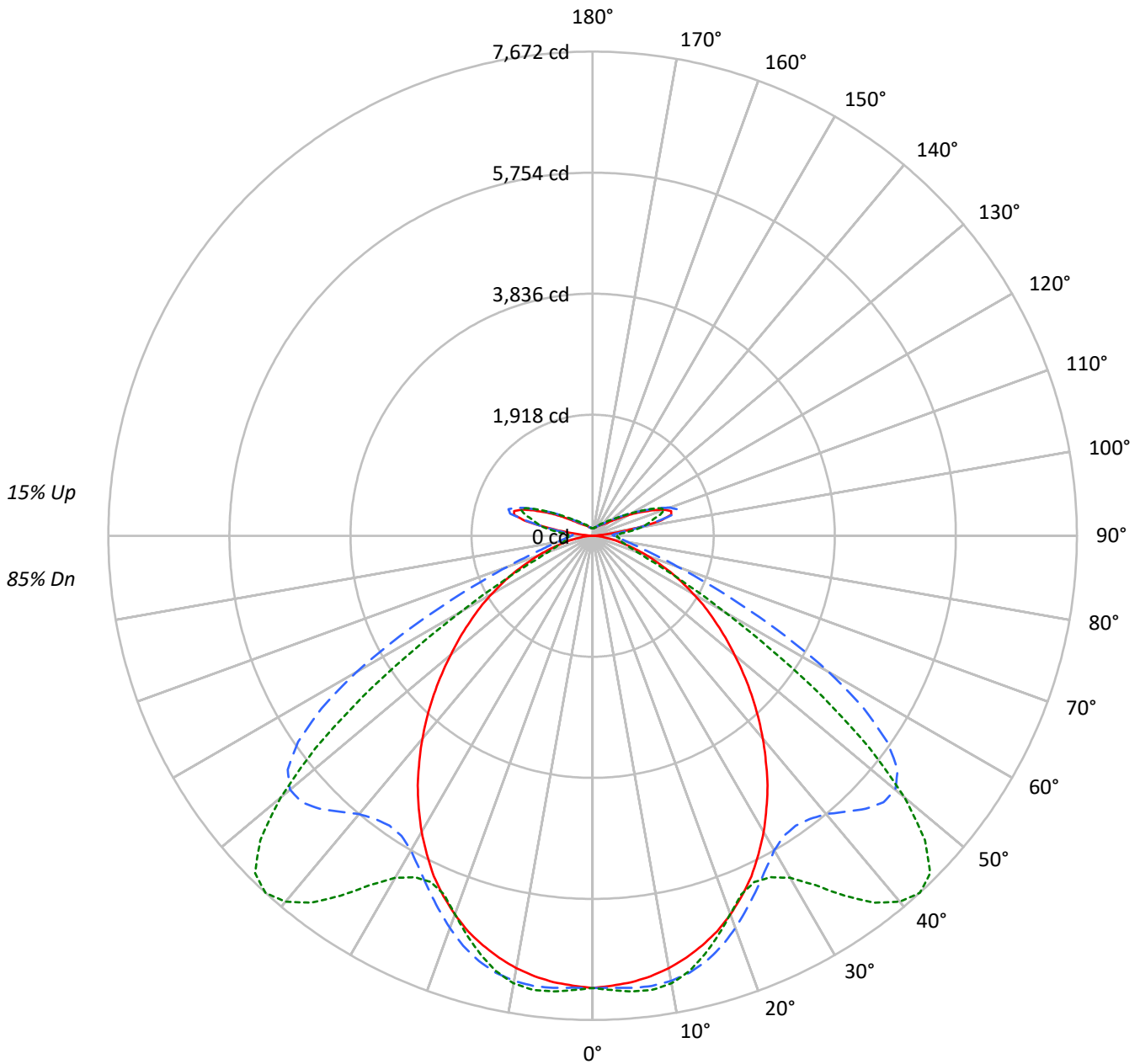
Lumens per Lamp: N/A
Luminaire Lumens: 24571.4 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 175.4
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	111	111	111	111	103	103	103	96	96	96	89	89	89	85																			
1	106	101	97	94	102	98	94	91	91	88	85	85	82	80	79	77	75	72																			
2	97	89	82	77	93	86	80	75	80	75	71	74	71	67	69	66	64	61																			
3	88	78	70	64	84	75	68	62	70	64	60	66	61	57	61	57	54	51																			
4	81	69	61	54	77	67	59	53	62	56	51	58	53	48	55	50	46	44																			
5	74	61	53	46	71	59	51	45	56	49	44	52	46	42	49	44	40	38																			
6	68	55	46	40	65	53	45	39	50	43	38	47	41	36	44	39	35	33																			
7	63	50	41	35	60	48	40	35	45	38	33	43	37	32	40	35	31	29																			
8	58	45	37	31	56	44	36	31	41	35	30	39	33	29	37	32	28	26																			
9	54	41	33	28	52	40	33	27	38	31	26	36	30	26	34	29	25	23																			
10	51	38	30	25	49	37	30	25	35	28	24	33	27	23	31	26	22	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	2.8
10°-20°	1939.2	7.9
20°-30°	2837.7	11.5
30°-40°	3685.3	15.0
40°-50°	4500.2	18.3
50°-60°	3963.1	16.1
60°-70°	2065.2	8.4
70°-80°	885.6	3.6
80°-90°	432.0	1.8
90°-100°	439.0	1.8
100°-110°	1207.6	4.9
110°-120°	970.1	3.9
120°-130°	464.3	1.9
130°-140°	234.9	1.0
140°-150°	135.2	0.6
150°-160°	77.0	0.3
160°-170°	38.3	0.2
170°-180°	11.7	0.0
0°-30°	5461.7	22.2
0°-40°	9147.0	37.2
0°-60°	17610.4	71.7
0°-90°	20993.3	85.4
90°-120°	2616.7	10.6
90°-150°	3451.1	14.0
90°-180°	3578.0	14.6
0°-180°	24571.4	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°	8	206	336	384	393	13
95°	57	204	368	445	467	203
105°	1290	1336	1350	1071	987	1227
115°	905	914	980	1006	1001	915
125°	452	472	520	527	520	424
135°	270	276	299	318	321	213
145°	202	203	209	221	225	128
155°	165	168	168	169	169	75
165°	131	133	134	135	136	38
175°	120	120	121	121	122	12
180°	118	118	118	118	118	



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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°	8.5	206.5	336.1	384.2	392.8
92.5°	21.7	177.4	314.3	371.1	384.0
95°	57.0	203.7	367.7	445.4	467.1
97.5°	328.3	428.4	504.5	603.7	629.2
100°	702.8	784.4	734.9	777.9	800.0
102.5°	1098.4	1168.9	1037.2	920.0	896.9
105°	1290.3	1335.6	1350.4	1071.1	987.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1061.3	1091.8	1147.1	1165.3	1140.5
115°	904.8	914.3	980.0	1006.2	1000.6
117.5°	776.8	785.1	843.1	858.1	850.1
120°	655.0	667.5	720.9	727.4	722.0
122.5°	544.6	564.5	612.4	620.7	611.0
125°	451.6	471.9	519.5	527.1	519.9
127.5°	387.5	394.2	440.5	451.6	453.1
130°	334.5	341.4	378.8	396.0	397.3
132.5°	298.0	304.9	335.3	353.3	359.0
135°	270.1	276.2	298.7	318.2	320.7
137.5°	247.5	252.7	268.7	288.6	292.6
140°	228.4	233.6	245.0	264.0	265.4
142.5°	214.2	218.0	226.9	241.9	243.4
145°	201.9	203.2	209.0	220.9	224.9
147.5°	191.5	193.4	197.7	204.8	207.2
150°	181.9	184.5	184.9	189.7	193.7
152.5°	173.2	175.8	176.2	177.1	181.0
155°	165.4	168.0	167.5	169.3	169.3
157.5°	146.1	148.7	151.3	152.2	152.2
160°	140.8	142.6	145.2	145.2	146.1
162.5°	135.6	137.4	139.1	140.0	140.8
165°	131.3	133.0	133.9	134.8	135.6
167.5°	127.8	128.7	129.5	130.4	130.4
170°	124.3	125.2	126.1	126.1	126.9
172.5°	121.7	122.6	123.5	123.5	123.5
175°	120.0	120.0	120.9	120.9	121.7
177.5°	118.2	119.1	119.1	119.1	120.0
180°	118.2	118.2	118.2	118.2	118.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1304.1	1346.9	1397.5	1272.5	1124.4
110°	1204.1	1249.4	1302.1	1277.2	1211.7



(END OF REPORT)