

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: P828320

Luminaire Tested: **OHBL-18SE-N-UNV-L940-CD-UPL24**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P828320
REPORT IS A COMBINATION OF REPORTS P826236 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: OHBL-18SE-N-UNV-L940-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

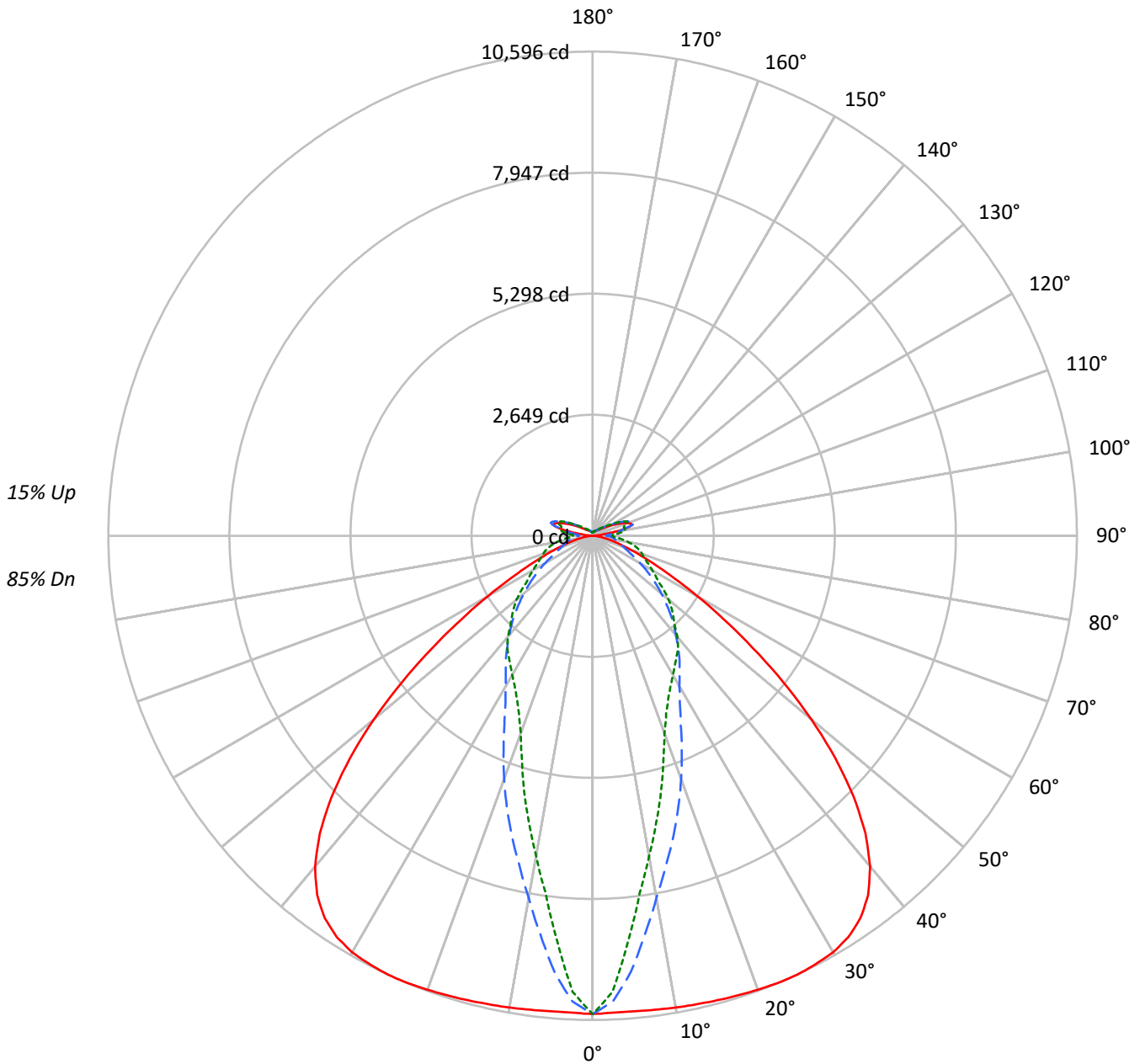
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17552.6 lumens
Efficiency: N/A
Efficacy: 143.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 122.4
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

TEST NUMBER: P828320
CATALOG NUMBER: OHBL-18SE-N-UNV-L940-CD-UPL24

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	115	115	115	115	111	111	111	111	103	103	103	95	95	95	88	88	88	85			
1	106	102	98	94	102	98	94	91	91	88	86	85	83	80	79	77	76	73			
2	98	90	84	79	94	87	81	77	81	77	73	76	72	69	71	68	65	62			
3	90	80	73	67	86	78	71	66	73	67	63	68	64	60	64	60	57	54			
4	83	72	64	58	80	70	63	57	66	60	55	62	57	52	58	54	50	48			
5	77	65	57	51	74	63	56	50	60	53	48	56	51	47	53	48	45	42			
6	71	59	51	45	69	58	50	45	54	48	43	51	46	42	49	44	40	38			
7	67	54	46	41	64	53	45	40	50	44	39	47	42	38	45	40	36	34			
8	62	50	42	37	60	49	41	36	46	40	35	44	38	34	42	37	33	31			
9	59	46	39	34	56	45	38	33	43	37	32	41	35	31	39	34	30	29			
10	55	43	36	31	53	42	35	30	40	34	30	38	33	29	36	32	28	26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17878	17878	17878
5°	17755	16281	15211
10°	17868	13714	12256
15°	18126	11729	10110
20°	18540	9917	8219
25°	19078	8208	7241
30°	19624	7071	6765
35°	19907	6445	6486
40°	19430	5821	6197
45°	17734	5261	5783
50°	14825	4648	5477
55°	11141	4071	4929
60°	7701	3491	4784
65°	5089	3007	4767
70°	3391	2822	5125
75°	2269	2910	5679
80°	1469	3223	6216
85°	756	4031	7412



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	881.1	5.0
10°-20°	2072.7	11.8
20°-30°	2598.2	14.8
30°-40°	2757.0	15.7
40°-50°	2492.7	14.2
50°-60°	1807.4	10.3
60°-70°	1134.2	6.5
70°-80°	750.6	4.3
80°-90°	437.8	2.5
90°-100°	411.1	2.3
100°-110°	844.4	4.8
110°-120°	689.5	3.9
120°-130°	331.2	1.9
130°-140°	164.0	0.9
140°-150°	94.4	0.5
150°-160°	53.4	0.3
160°-170°	25.2	0.1
170°-180°	7.7	0.0
0°-30°	5552.0	31.6
0°-40°	8309.0	47.3
0°-60°	12609.1	71.8
0°-90°	14931.7	85.1
90°-120°	1945.0	11.1
90°-150°	2534.6	14.4
90°-180°	2621.0	14.9
0°-180°	17552.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10467	10467	10467	10467	10467	
5°	10446	10178	9580	9136	8906	999
15°	10526	8579	6814	6060	5785	2985
25°	10596	6634	4563	4050	3921	4895
35°	10216	4410	3311	3208	3207	6351
45°	8076	2793	2400	2458	2500	6152
55°	4276	1731	1566	1698	1759	3863
65°	1529	1004	907	1162	1291	1591
75°	472	541	609	945	1002	526
85°	83	224	445	620	569	99
90°	4	123	299	418	426	9
95°	50	162	377	507	547	147
105°	880	906	899	742	705	836
115°	613	639	719	746	743	618
125°	306	325	372	386	383	286
135°	184	189	208	224	226	145
145°	138	142	147	156	156	87
155°	113	118	120	122	120	51
165°	87	88	89	89	89	25
175°	78	79	79	80	80	8
180°	78	78	78	78	78	



TEST NUMBER: P828320

CATALOG NUMBER: OHBL-18SE-N-UNV-L940-CD-UPL24

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10467.1	10467.1	10467.1	10467.1	10467.1
2.5°	10445.2	10385.3	10199.1	10085.5	9989.8
5°	10446.1	10178.2	9580.4	9136.1	8906.0
7.5°	10461.1	9865.3	8788.4	8139.9	7886.9
10°	10483.9	9477.8	8049.2	7357.9	7121.8
12.5°	10500.9	9041.4	7398.7	6688.5	6429.5
15°	10525.8	8579.2	6814.0	6059.9	5784.9
17.5°	10548.7	8143.9	6236.2	5448.2	5142.3
20°	10571.7	7674.7	5658.4	4846.5	4594.5
22.5°	10593.6	7179.6	5094.5	4379.3	4207.0
25°	10595.6	6633.7	4562.6	4049.5	3921.0
27.5°	10569.7	6067.9	4131.3	3773.6	3693.9
30°	10524.8	5519.0	3796.5	3574.4	3517.6
32.5°	10413.2	4959.1	3537.5	3382.1	3349.2
35°	10216.0	4410.2	3311.4	3207.7	3206.8
37.5°	9905.1	3923.0	3066.3	3048.4	3070.3
40°	9445.9	3496.6	2834.2	2882.0	2882.0
42.5°	8833.3	3126.1	2624.0	2672.8	2659.8
45°	8076.2	2793.4	2399.8	2457.7	2499.5
47.5°	7198.5	2500.4	2170.7	2282.3	2340.0
50°	6244.2	2221.5	1961.6	2104.0	2169.7
52.5°	5244.0	1963.5	1757.3	1920.7	1973.5
55°	4275.7	1731.4	1566.0	1698.5	1759.3
57.5°	3399.0	1510.2	1378.8	1504.2	1629.8
60°	2644.9	1320.0	1202.4	1381.7	1507.3
62.5°	2020.3	1150.6	1037.1	1267.1	1392.7
65°	1529.2	1004.2	906.6	1161.6	1291.0
67.5°	1152.6	877.6	804.9	1084.9	1211.4
70°	865.7	755.1	723.2	1037.1	1150.6
72.5°	639.6	642.5	658.5	995.2	1081.8
75°	472.2	541.0	608.7	945.4	1002.2
77.5°	337.7	448.3	563.8	885.6	905.5
80°	234.1	365.6	517.1	806.9	790.0
82.5°	146.4	292.9	475.2	720.2	673.5
85°	82.7	224.1	445.3	619.7	568.8
87.5°	36.9	167.4	389.5	483.2	451.2
90°	4.3	123.2	298.9	417.5	426.5
92.5°	16.8	116.9	300.7	421.4	442.7
95°	50.1	162.2	376.6	507.1	547.1
97.5°	238.8	310.8	485.3	616.4	657.0
100°	485.9	561.3	607.5	698.7	716.5
102.5°	748.6	785.1	717.6	721.7	722.8
105°	880.1	906.3	899.2	741.7	705.0



TEST NUMBER: P828320

CATALOG NUMBER: OHBL-18SE-N-UNV-L940-CD-UPL24

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	712.5	746.9	823.5	836.4	813.6
115°	612.6	638.6	719.3	745.5	743.2
117.5°	526.6	542.4	616.7	640.7	642.6
120°	437.9	459.5	527.1	543.7	538.4
122.5°	369.3	387.7	442.7	457.9	451.7
125°	305.8	325.4	372.4	386.5	382.9
127.5°	259.6	272.9	314.5	329.3	327.4
130°	227.4	236.4	269.0	283.8	284.7
132.5°	202.1	210.1	234.2	251.6	250.7
135°	183.9	189.3	208.3	224.1	225.8
137.5°	169.1	174.7	187.9	203.5	203.5
140°	156.1	161.5	171.8	185.5	186.4
142.5°	145.7	150.2	157.6	169.4	169.4
145°	138.0	142.5	147.1	156.0	155.8
147.5°	130.2	135.6	138.4	145.1	144.2
150°	124.1	128.9	131.5	135.3	135.2
152.5°	118.0	122.8	125.4	128.2	127.2
155°	112.8	117.5	120.2	122.2	120.2
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°	883.5	919.9	962.6	830.1	730.9
110°	816.7	852.4	914.9	884.8	806.6



(END OF REPORT)