

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: P828683

Luminaire Tested: **OHBL-30SE-NL-UNV-L950-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828683
REPORT IS A COMBINATION OF REPORTS P826129 AND G3-2310-221-10
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30SE-NL-UNV-L950-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

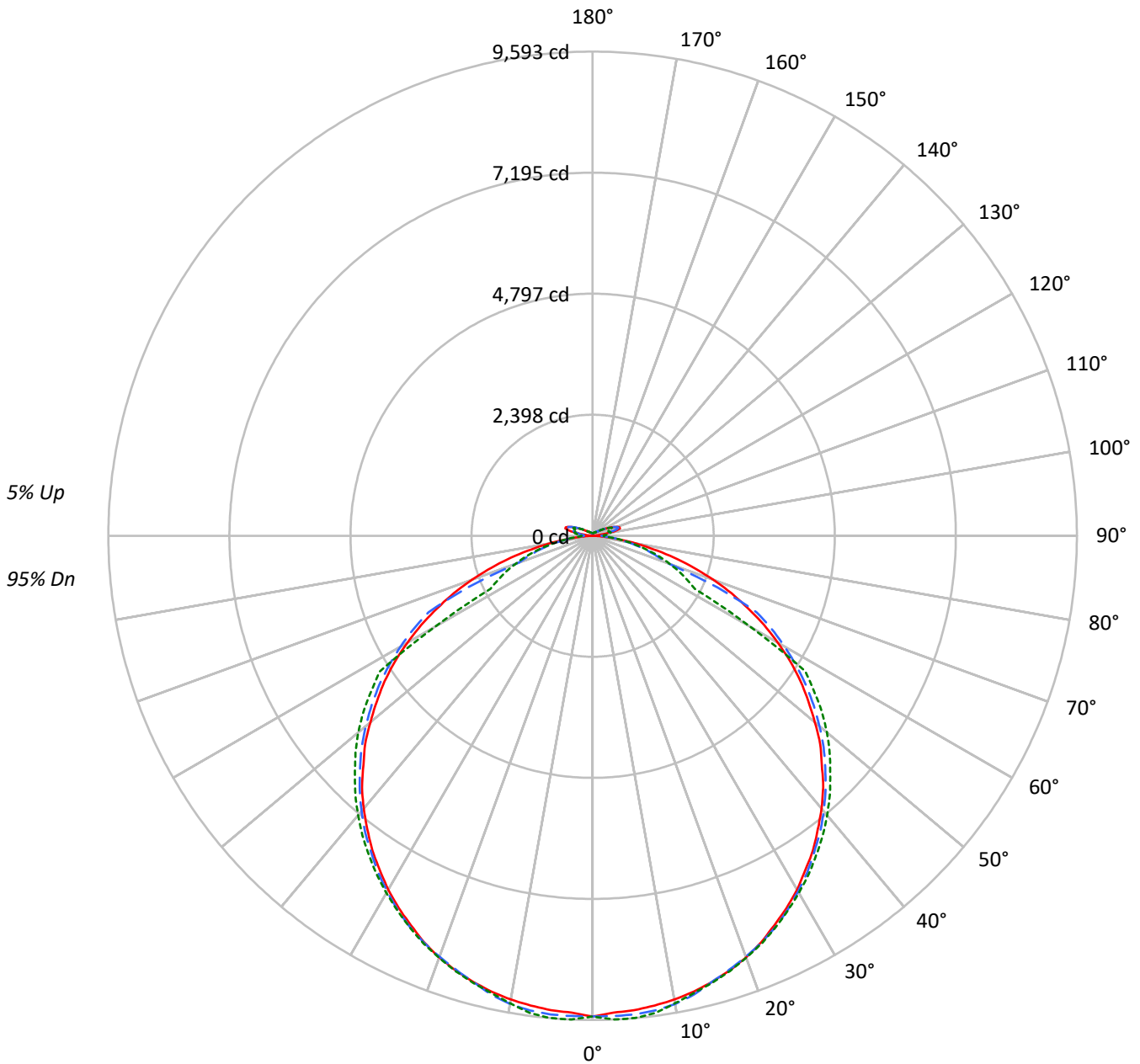
Lumens per Lamp: N/A
Luminaire Lumens: 28058.9 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')
CIE Type: Direct

Input Watts (W): 184.3
Input Voltage (V): NR
Input Current (Ain): 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	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	97	97	97	95
1	108	104	99	96	105	101	97	94	96	93	90	91	88	86	86	85	83	83	83	83	80
2	99	91	84	78	95	88	82	77	84	79	75	80	76	72	76	73	70	70	70	70	67
3	90	80	72	65	87	78	70	65	74	68	63	71	65	61	67	63	59	59	59	59	57
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	51	51	51	49
5	76	63	54	48	73	62	53	47	59	52	46	56	50	45	54	49	44	44	44	44	42
6	70	57	48	42	68	56	47	41	53	46	41	51	45	40	49	43	39	39	39	39	37
7	65	51	43	37	63	50	42	36	48	41	36	46	40	35	45	39	35	35	35	35	33
8	60	47	38	33	58	46	38	32	44	37	32	43	36	31	41	35	31	31	31	31	29
9	56	43	35	29	55	42	34	29	41	34	29	39	33	28	38	32	28	28	28	28	26
10	53	40	32	27	51	39	31	26	38	31	26	36	30	26	35	29	25	25	25	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16266	16266	16266
5°	16092	16236	16407
10°	16011	16160	16238
15°	15922	15914	16096
20°	15810	15780	16017
25°	15608	15680	15943
30°	15436	15506	15874
35°	15228	15300	15811
40°	14976	15105	15764
45°	14626	14831	15667
50°	14251	14523	15604
55°	13796	14132	15339
60°	13113	13555	11850
65°	12135	12813	7893
70°	10875	6588	7546
75°	9028	5953	7036
80°	6340	4980	6160
85°	2543	3991	5330



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	904.8	3.2
10°-20°	2590.6	9.2
20°-30°	3941.8	14.0
30°-40°	4792.6	17.1
40°-50°	5039.2	18.0
50°-60°	4601.4	16.4
60°-70°	2949.7	10.5
70°-80°	1393.4	5.0
80°-90°	389.7	1.4
90°-100°	228.9	0.8
100°-110°	466.7	1.7
110°-120°	384.7	1.4
120°-130°	180.9	0.6
130°-140°	90.4	0.3
140°-150°	52.5	0.2
150°-160°	30.6	0.1
160°-170°	15.9	0.1
170°-180°	4.8	0.0
0°-30°	7437.1	26.5
0°-40°	12229.7	43.6
0°-60°	21870.4	77.9
0°-90°	26603.3	94.8
90°-120°	1080.4	3.9
90°-150°	1404.3	5.0
90°-180°	1456.0	5.2
0°-180°	28058.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9523	9523	9523	9523	9523	
5°	9435	9472	9520	9572	9592	897
15°	9149	9218	9147	9161	9167	2583
25°	8514	8527	8557	8571	8564	3929
35°	7610	7565	7652	7745	7724	4756
45°	6418	6407	6515	6669	6658	4961
55°	5030	4991	5160	5332	5346	4486
65°	3389	3389	3586	2057	2064	3360
75°	1674	1706	1108	1166	1171	1765
85°	219	277	346	374	354	323
90°	3	113	179	215	216	12
95°	29	111	204	272	292	89
105°	559	561	489	354	325	529
115°	387	391	399	392	375	389
125°	184	194	199	197	196	173
135°	109	112	115	116	117	86
145°	79	81	83	84	84	51
155°	64	64	66	66	67	30
165°	55	55	56	56	56	16
175°	50	50	50	50	50	5
180°	50	50	50	50	50	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9523.4	9523.4	9523.4	9523.4	9523.4
2.5°	9456.5	9488.3	9523.4	9568.5	9593.4
5°	9434.8	9471.6	9520.1	9571.9	9591.9
7.5°	9388.1	9439.7	9486.6	9523.4	9535.1
10°	9329.5	9391.4	9418.2	9414.8	9406.4
12.5°	9251.0	9316.2	9307.9	9269.3	9276.1
15°	9149.1	9217.5	9147.4	9160.7	9167.4
17.5°	9028.7	9095.6	9013.7	9040.4	9042.1
20°	8888.4	8938.5	8875.0	8896.8	8896.8
22.5°	8719.7	8754.7	8728.0	8743.0	8746.4
25°	8514.0	8527.3	8557.4	8570.9	8564.1
27.5°	8317.0	8300.2	8358.8	8390.4	8373.6
30°	8097.9	8071.2	8139.7	8191.6	8171.6
32.5°	7847.3	7830.7	7909.2	7970.9	7959.2
35°	7610.0	7564.9	7651.8	7745.4	7723.6
37.5°	7329.2	7302.6	7401.1	7499.8	7488.1
40°	7055.2	7010.1	7122.1	7239.0	7227.3
42.5°	6761.1	6707.6	6829.7	6970.1	6956.7
45°	6418.5	6406.8	6515.4	6669.2	6657.5
47.5°	6114.5	6055.9	6207.9	6356.7	6370.2
50°	5746.7	5725.1	5863.8	6044.3	6057.5
52.5°	5387.5	5372.5	5517.8	5700.0	5723.4
55°	5029.8	4991.4	5160.2	5332.4	5345.8
57.5°	4647.4	4607.2	4779.3	4966.4	4994.8
60°	4237.8	4199.3	4388.2	4562.1	3627.9
62.5°	3828.3	3801.6	3998.9	2832.5	2282.8
65°	3388.9	3388.9	3585.9	2057.0	2063.8
67.5°	2977.9	2951.2	2673.8	1848.1	1848.1
70°	2536.7	2546.8	1540.7	1619.3	1620.9
72.5°	2093.9	2130.7	1330.2	1393.6	1396.9
75°	1674.4	1706.2	1107.8	1166.4	1171.4
77.5°	1229.9	945.8	890.6	935.9	937.5
80°	863.9	596.6	681.8	725.2	720.2
82.5°	504.5	417.7	499.6	531.5	529.7
85°	218.8	277.4	345.9	374.4	354.2
87.5°	70.1	172.2	215.4	232.3	230.5
90°	2.6	112.7	178.9	215.1	216.2
92.5°	8.7	97.7	173.7	222.8	233.1
95°	29.3	111.1	203.5	272.2	292.2
97.5°	147.7	197.6	255.9	321.3	340.3
100°	296.4	344.8	311.8	356.5	364.4
102.5°	479.6	479.0	368.1	356.0	352.6
105°	558.7	561.0	489.2	353.6	325.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	452.6	462.1	459.2	438.6	411.1
115°	387.4	390.7	399.2	392.5	374.6
117.5°	325.2	323.4	326.9	325.2	323.4
120°	271.3	274.7	275.6	273.9	273.0
122.5°	224.3	231.3	235.6	233.0	232.1
125°	183.5	193.9	199.1	197.4	196.5
127.5°	156.5	162.6	169.5	169.5	167.8
130°	135.6	140.0	145.2	146.1	146.1
132.5°	120.9	124.3	128.7	129.5	130.4
135°	108.7	112.2	114.8	116.5	117.4
137.5°	100.0	101.7	105.2	106.1	106.9
140°	91.3	93.9	96.5	97.4	98.2
142.5°	85.2	86.9	88.7	90.4	90.4
145°	79.1	80.9	82.6	84.3	84.3
147.5°	74.8	76.5	78.2	78.2	79.1
150°	70.4	72.2	73.0	73.9	73.9
152.5°	66.9	67.8	69.6	69.6	70.4
155°	63.5	64.3	66.1	66.1	66.9
157.5°	60.9	61.7	62.6	63.5	63.5
160°	58.3	59.1	60.0	60.0	60.9
162.5°	56.5	57.4	57.4	58.3	58.3
165°	54.8	54.8	55.6	55.6	55.6
167.5°	53.0	53.0	53.9	53.9	54.8
170°	51.3	52.2	52.2	52.2	53.0
172.5°	50.4	50.4	51.3	51.3	51.3
175°	49.6	49.6	49.6	50.4	50.4
177.5°	48.7	49.6	49.6	49.6	49.6
180°	49.6	49.6	49.6	49.6	49.6



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	558.7	567.8	533.8	408.0	334.5
110°	517.8	527.1	509.5	458.6	392.8



(END OF REPORT)