

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: P828380

Luminaire Tested: **OHBL-30SE-MFL-UNV-L940-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828380
REPORT IS A COMBINATION OF REPORTS P826283 AND G3-2310-221-4
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30SE-MFL-UNV-L940-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

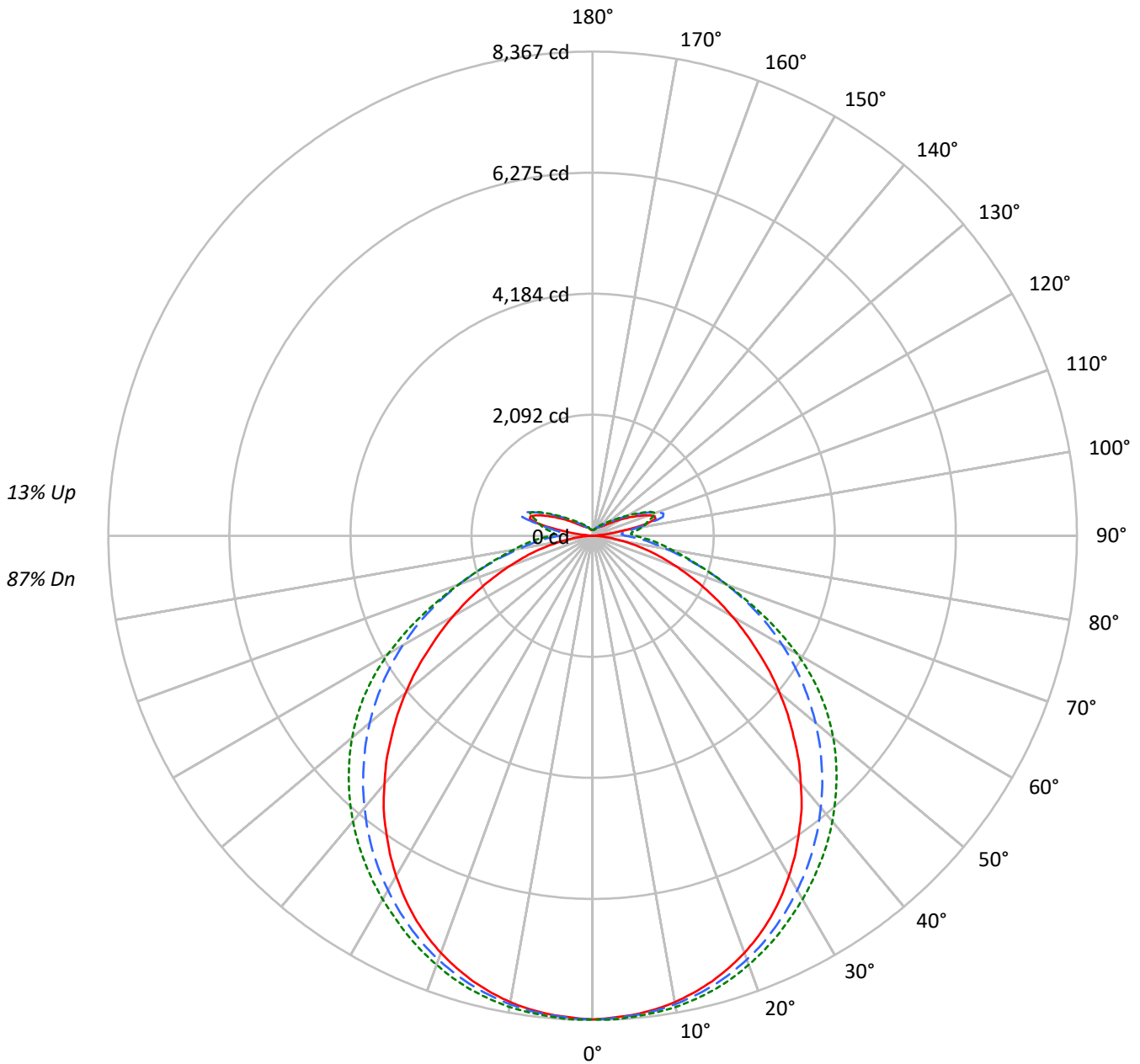
Lumens per Lamp: N/A
Luminaire Lumens: 27680.5 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 197.2
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					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	50	30	10	0		
RCR																										
0	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	87								
1	105	100	96	92	101	97	93	89	90	87	84	84	82	79	79	77	75	72								
2	96	87	80	75	92	84	78	73	79	74	69	74	70	66	69	66	63	60								
3	87	77	68	62	84	74	67	61	69	63	58	65	60	55	61	57	53	50								
4	80	68	59	52	76	66	58	51	62	55	49	58	52	47	54	49	45	43								
5	73	61	52	45	70	59	50	44	55	48	43	52	46	41	49	44	39	37								
6	68	54	46	39	65	53	45	39	50	43	37	47	41	36	44	39	35	32								
7	63	49	41	35	60	48	40	34	45	38	33	43	36	32	40	35	31	29								
8	58	45	36	31	56	44	36	30	41	34	29	39	33	28	37	32	28	25								
9	54	41	33	28	52	40	32	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	32	26	23	21								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14277	14277	14277
5°	14117	14135	14245
10°	13950	14005	14231
15°	13726	13849	14194
20°	13451	13661	14112
25°	13106	13427	14031
30°	12656	13173	13952
35°	12127	12904	13899
40°	11505	12593	13856
45°	10786	12256	13787
50°	10006	11915	13697
55°	9067	11498	13485
60°	8107	11007	12953
65°	7066	10382	11995
70°	5947	9586	10971
75°	4807	8666	10434
80°	3428	7983	10930
85°	1908	8223	13702



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	792.1	2.9
10°-20°	2272.3	8.2
20°-30°	3436.5	12.4
30°-40°	4125.6	14.9
40°-50°	4261.0	15.4
50°-60°	3833.6	13.8
60°-70°	2887.8	10.4
70°-80°	1743.7	6.3
80°-90°	858.5	3.1
90°-100°	564.8	2.0
100°-110°	1135.4	4.1
110°-120°	886.4	3.2
120°-130°	429.5	1.6
130°-140°	218.1	0.8
140°-150°	124.0	0.4
150°-160°	68.9	0.2
160°-170°	32.4	0.1
170°-180°	9.9	0.0
0°-30°	6500.9	23.5
0°-40°	10626.5	38.4
0°-60°	18721.1	67.6
0°-90°	24211.1	87.5
90°-120°	2586.5	9.3
90°-150°	3358.1	12.1
90°-180°	3469.0	12.5
0°-180°	27680.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8359	8359	8359	8359	8359	
5°	8306	8328	8318	8351	8341	789
15°	7970	8009	8046	8114	8122	2247
25°	7279	7359	7463	7580	7598	3348
35°	6223	6369	6630	6831	6872	3890
45°	4912	5160	5591	5896	5959	3792
55°	3480	3840	4423	4756	4814	3120
65°	2124	2557	3130	3286	3249	2110
75°	1000	1436	1812	1860	1841	1067
85°	209	550	908	1033	1052	241
90°	6	250	567	708	734	17
95°	60	245	510	649	679	188
105°	1125	1203	1258	1070	989	1063
115°	783	814	905	956	948	785
125°	394	411	483	509	510	367
135°	236	244	274	309	317	186
145°	182	183	189	207	213	115
155°	150	155	154	154	156	67
165°	111	112	113	115	115	32
175°	101	102	102	103	103	10
180°	100	100	100	100	100	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8359.1	8359.1	8359.1	8359.1	8359.1
2.5°	8334.6	8355.0	8342.8	8369.4	8367.3
5°	8305.9	8328.4	8318.1	8350.9	8340.7
7.5°	8256.9	8281.4	8279.3	8316.1	8312.1
10°	8185.2	8211.8	8220.0	8269.1	8269.1
12.5°	8087.1	8121.8	8142.3	8201.6	8203.6
15°	7970.4	8009.2	8046.1	8113.7	8121.8
17.5°	7829.3	7878.4	7929.5	8007.2	8017.5
20°	7669.7	7724.9	7794.5	7876.3	7888.6
22.5°	7485.6	7551.0	7641.0	7737.2	7751.5
25°	7278.9	7358.7	7463.1	7579.6	7598.1
27.5°	7043.6	7135.7	7276.9	7407.8	7424.2
30°	6787.9	6896.3	7072.3	7227.8	7254.4
32.5°	6517.9	6642.7	6859.6	7033.5	7070.2
35°	6223.3	6368.6	6630.4	6830.9	6871.8
37.5°	5932.8	6092.4	6389.0	6618.1	6667.2
40°	5593.2	5791.6	6131.2	6384.9	6444.2
42.5°	5274.0	5488.9	5873.4	6149.7	6207.0
45°	4911.9	5159.5	5591.1	5896.0	5959.4
47.5°	4572.3	4840.4	5319.1	5634.1	5699.6
50°	4214.4	4508.9	5028.5	5358.0	5425.4
52.5°	3856.3	4173.4	4727.9	5069.5	5132.9
55°	3479.9	3840.0	4423.0	4756.5	4813.8
57.5°	3130.1	3510.6	4110.0	4427.1	4461.9
60°	2784.3	3179.1	3790.9	4069.1	4081.3
62.5°	2446.8	2862.0	3463.5	3684.4	3668.1
65°	2123.5	2557.2	3130.1	3285.5	3248.7
67.5°	1812.5	2260.6	2788.4	2888.6	2839.5
70°	1518.0	1972.2	2457.0	2508.2	2463.1
72.5°	1258.2	1698.0	2121.4	2164.5	2131.7
75°	1000.4	1436.1	1812.5	1859.7	1841.2
77.5°	759.0	1182.4	1528.2	1589.6	1593.7
80°	546.2	951.3	1280.7	1376.9	1389.1
82.5°	360.0	738.5	1074.0	1196.8	1215.2
85°	208.7	550.4	908.3	1033.2	1051.5
87.5°	90.0	396.9	730.3	842.8	865.4
90°	6.1	250.5	566.6	707.7	734.2
92.5°	24.4	222.3	503.4	639.1	663.4
95°	59.8	245.3	510.5	649.0	678.7
97.5°	314.8	423.6	598.4	735.1	787.5
100°	609.6	737.6	762.9	856.7	877.4
102.5°	954.7	1053.9	1005.2	952.2	940.5
105°	1124.6	1202.9	1257.9	1070.1	989.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	906.7	952.5	1053.6	1095.5	1082.8
115°	783.2	813.9	905.1	955.6	948.1
117.5°	665.3	692.2	775.7	813.7	812.9
120°	562.7	586.9	658.8	694.5	695.7
122.5°	473.2	496.4	568.3	597.6	595.9
125°	393.7	411.2	483.0	509.3	510.3
127.5°	334.3	346.2	407.2	443.2	445.0
130°	290.0	298.9	352.6	389.2	394.4
132.5°	259.5	269.7	308.5	343.9	351.2
135°	236.1	244.5	274.2	309.3	317.4
137.5°	215.2	225.4	246.1	278.1	286.4
140°	202.4	208.8	223.4	249.7	258.7
142.5°	191.5	194.9	203.4	227.6	234.6
145°	182.1	182.8	189.1	207.3	213.4
147.5°	171.7	175.2	178.7	188.6	194.8
150°	163.9	168.6	170.0	172.9	179.9
152.5°	156.9	160.8	161.3	161.0	165.1
155°	150.0	154.7	154.3	154.1	156.1
157.5°	124.3	126.1	127.8	128.7	129.5
160°	120.0	120.9	122.6	123.5	124.3
162.5°	114.8	116.5	117.4	118.2	119.1
165°	111.3	112.2	113.0	114.8	114.8
167.5°	107.8	108.7	109.6	110.4	110.4
170°	105.2	106.1	106.9	106.9	106.9
172.5°	102.6	103.5	104.3	104.3	104.3
175°	100.9	101.7	101.7	102.6	102.6
177.5°	100.0	100.9	100.9	100.9	101.7
180°	100.0	100.0	100.0	100.0	100.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1123.8	1198.7	1282.6	1211.3	1099.8
110°	1031.6	1101.0	1189.7	1202.6	1152.0



(END OF REPORT)