

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: P827642

Luminaire Tested: **OHB-30SE-W-UNV-L930-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827642
REPORT IS A COMBINATION OF REPORTS P826274 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: OHB-30SE-W-UNV-L930-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

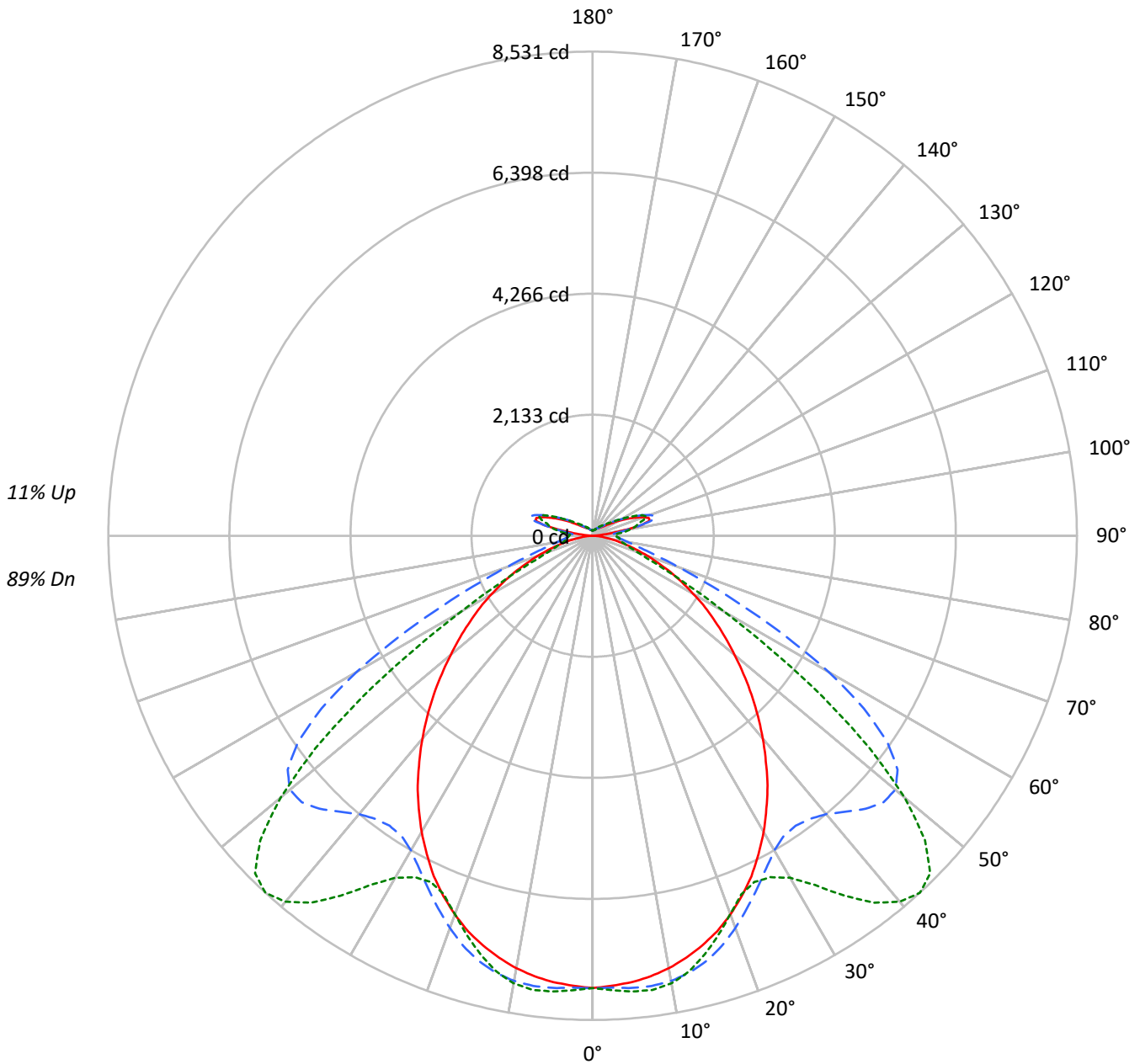
Lumens per Lamp: N/A
Luminaire Lumens: 26336.3 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 204.2
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									
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	92	89	87	87	84	82	81	79	78	75																			
2	97	89	83	77	94	87	81	76	81	76	72	76	72	69	72	69	66	63																			
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	63	59	56	53																			
4	81	70	61	55	78	67	60	54	64	57	52	60	54	50	56	52	48	45																			
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	41	39																			
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	46	40	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	28	26																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	51	38	30	25	49	37	30	25	36	29	24	34	28	24	32	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26621	26621	26621
5°	26244	26514	26825
10°	25789	26406	26758
15°	25161	25902	25804
20°	24349	24945	24445
25°	23311	23804	23857
30°	21975	22940	25560
35°	20476	23289	29768
40°	18766	25135	34231
45°	16990	28400	36573
50°	15152	31262	33795
55°	13423	31057	25605
60°	11670	26105	15491
65°	9836	17878	9256
70°	7799	11431	6557
75°	5720	8063	5910
80°	3862	6910	6353
85°	2305	7259	9061



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	761.5	2.9
10°-20°	2156.4	8.2
20°-30°	3155.5	12.0
30°-40°	4098.1	15.6
40°-50°	5004.3	19.0
50°-60°	4407.1	16.7
60°-70°	2296.6	8.7
70°-80°	984.8	3.7
80°-90°	478.2	1.8
90°-100°	413.5	1.6
100°-110°	1003.2	3.8
110°-120°	793.9	3.0
120°-130°	380.5	1.4
130°-140°	191.7	0.7
140°-150°	109.8	0.4
150°-160°	61.8	0.2
160°-170°	30.1	0.1
170°-180°	9.2	0.0
0°-30°	6073.5	23.1
0°-40°	10171.6	38.6
0°-60°	19582.9	74.4
0°-90°	23342.6	88.6
90°-120°	2210.6	8.4
90°-150°	2892.6	11.0
90°-180°	2994.0	11.4
0°-180°	26336.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7969	7969	7969	7969	7969	
5°	7895	7955	7998	8069	8060	749
15°	7470	7680	7754	7696	7634	2103
25°	6619	6974	6855	6726	6733	3038
35°	5373	5940	6238	7274	7740	3349
45°	3956	4977	6803	8237	8409	3050
55°	2634	4360	6336	5555	4938	2364
65°	1511	3021	2900	1613	1388	1495
75°	609	1413	932	638	605	664
85°	129	504	474	464	469	144
90°	7	215	357	407	416	13
95°	50	200	362	435	454	169
105°	1039	1100	1122	915	832	982
115°	723	747	812	837	826	725
125°	363	378	430	437	434	338
135°	216	220	242	266	267	171
145°	164	163	169	181	184	104
155°	134	137	135	136	136	61
165°	104	104	105	107	107	30
175°	94	95	95	95	95	9
180°	93	93	93	93	93	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7969.0	7969.0	7969.0	7969.0	7969.0
2.5°	7934.5	7969.0	7970.7	8018.8	8013.7
5°	7895.0	7955.2	7998.1	8068.6	8060.1
7.5°	7829.7	7924.3	7999.9	8077.3	8070.4
10°	7736.8	7865.8	7965.5	8029.1	8008.5
12.5°	7616.4	7786.7	7884.7	7898.5	7858.9
15°	7470.4	7680.1	7754.0	7695.6	7633.7
17.5°	7305.3	7551.1	7576.9	7449.7	7372.3
20°	7098.9	7379.2	7353.4	7178.1	7092.1
22.5°	6870.3	7190.1	7107.6	6923.6	6841.1
25°	6619.3	6973.5	6854.8	6725.9	6732.8
27.5°	6325.3	6727.6	6612.4	6670.9	6780.9
30°	6026.1	6469.7	6399.3	6739.6	6956.3
32.5°	5697.8	6204.9	6268.5	6940.8	7295.0
35°	5372.8	5940.2	6237.6	7274.4	7740.3
37.5°	5013.4	5672.0	6287.5	7659.4	8147.8
40°	4664.5	5410.7	6400.9	8005.0	8417.7
42.5°	4308.6	5176.8	6591.8	8209.6	8531.2
45°	3956.1	4977.4	6803.3	8237.2	8409.1
47.5°	3603.6	4808.9	6949.4	8018.8	7939.7
50°	3263.2	4659.3	6959.7	7494.4	7171.2
52.5°	2945.2	4521.7	6770.6	6658.8	6156.8
55°	2634.0	4360.2	6335.6	5555.0	4937.8
57.5°	2350.3	4136.6	5665.0	4368.7	3694.7
60°	2049.4	3834.0	4798.6	3196.2	2664.9
62.5°	1772.6	3457.5	3827.1	2224.8	1915.3
65°	1511.3	3020.8	2900.5	1612.7	1387.5
67.5°	1234.5	2568.6	2140.5	1176.0	1031.6
70°	1017.9	2149.1	1593.8	914.6	830.4
72.5°	796.0	1750.2	1191.5	742.7	696.3
75°	608.6	1413.3	931.8	637.9	605.2
77.5°	448.7	1117.5	749.6	563.9	533.0
80°	314.6	880.3	627.5	503.8	491.7
82.5°	211.5	680.9	534.7	479.7	481.4
85°	128.9	503.8	474.5	464.2	469.4
87.5°	61.9	357.6	407.5	422.9	428.1
90°	7.4	215.4	356.6	406.9	415.5
92.5°	17.0	180.5	328.4	385.3	395.4
95°	49.6	199.6	362.5	435.4	454.4
97.5°	284.8	367.4	466.0	550.3	587.0
100°	560.5	662.5	636.7	687.0	696.2
102.5°	881.4	959.5	875.6	793.8	773.0
105°	1039.1	1100.5	1121.9	915.3	832.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	838.1	875.4	948.5	962.1	946.1
115°	723.3	747.3	811.9	837.4	826.4
117.5°	613.4	636.4	694.8	708.9	704.1
120°	518.1	539.1	587.3	603.1	598.3
122.5°	434.8	455.5	506.0	516.0	510.5
125°	362.9	378.5	429.5	437.0	433.8
127.5°	307.8	316.8	361.9	378.3	376.0
130°	266.6	273.1	312.0	330.9	333.5
132.5°	238.3	244.0	273.6	293.3	295.9
135°	216.5	220.5	242.5	265.5	267.2
137.5°	197.1	202.7	218.8	239.2	242.7
140°	183.3	187.4	198.3	217.0	219.6
142.5°	172.9	174.4	183.6	199.0	201.5
145°	164.1	163.1	168.9	180.8	184.2
147.5°	154.4	155.9	159.2	167.6	169.3
150°	147.1	149.5	149.4	153.6	157.9
152.5°	140.6	142.3	141.3	142.9	146.3
155°	134.2	136.6	134.8	136.4	136.4
157.5°	115.6	117.2	118.8	119.6	120.4
160°	111.6	112.4	114.0	114.8	115.6
162.5°	106.7	108.3	109.1	109.9	110.7
165°	103.5	104.3	105.1	106.7	106.7
167.5°	100.2	101.0	101.9	102.7	102.7
170°	97.8	98.6	99.4	99.4	99.4
172.5°	95.4	96.2	97.0	97.0	97.0
175°	93.8	94.6	94.6	95.4	95.4
177.5°	93.0	93.8	93.8	93.8	94.6
180°	93.0	93.0	93.0	93.0	93.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1040.0	1099.3	1152.4	1056.3	946.6
110°	954.3	1009.1	1069.7	1056.0	1002.9



(END OF REPORT)