

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: P826586

Luminaire Tested: **OHBL-30SE-W-UNV-L830-CD-UPL30**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P826586
REPORT IS A COMBINATION OF REPORTS P826286 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-W-UNV-L830-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

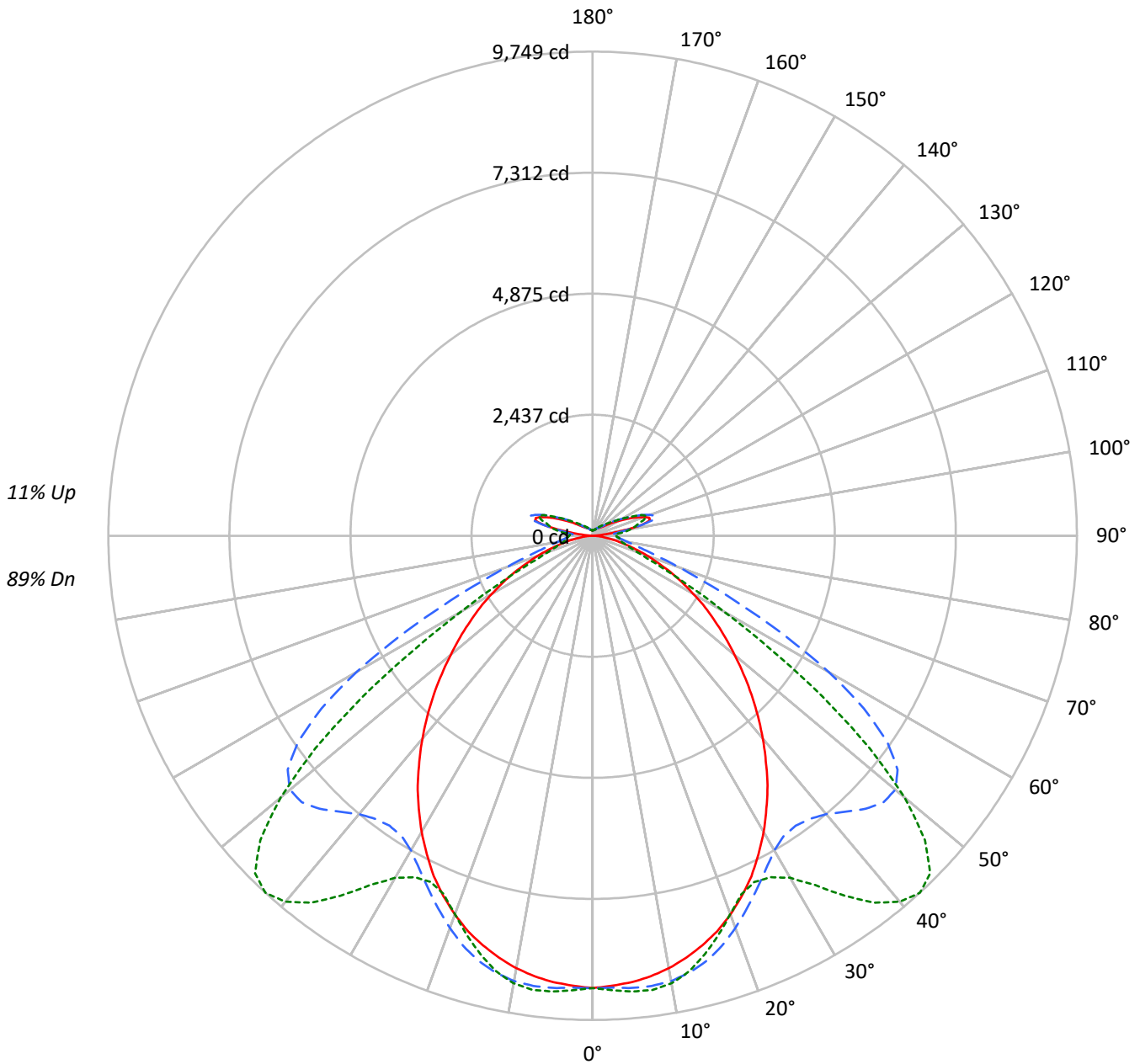
Lumens per Lamp: N/A
Luminaire Lumens: 30117.3 lumens
Efficiency: N/A
Efficacy: 152.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

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									
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	86	81	76	81	76	72	76	72	69	72	68	66	63																			
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	63	59	56	53																			
4	81	69	61	54	78	67	60	54	63	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°	15554	15554	15554
5°	15335	15532	15731
10°	15068	15509	15750
15°	14701	15252	15245
20°	14228	14728	14498
25°	13620	14093	14208
30°	12840	13621	15289
35°	11964	13873	17891
40°	10965	15025	20683
45°	9927	17043	22232
50°	8853	18845	20688
55°	7843	18821	15808
60°	6819	15922	9665
65°	5747	10993	5855
70°	4556	7106	4227
75°	3342	5091	3919
80°	2257	4471	4422
85°	1348	4909	6990



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	870.2	2.9
10°-20°	2464.3	8.2
20°-30°	3606.1	12.0
30°-40°	4683.2	15.5
40°-50°	5718.8	19.0
50°-60°	5036.3	16.7
60°-70°	2624.4	8.7
70°-80°	1125.5	3.7
80°-90°	546.5	1.8
90°-100°	474.2	1.6
100°-110°	1153.7	3.8
110°-120°	913.2	3.0
120°-130°	437.6	1.5
130°-140°	220.5	0.7
140°-150°	126.3	0.4
150°-160°	71.1	0.2
160°-170°	34.7	0.1
170°-180°	10.6	0.0
0°-30°	6940.6	23.0
0°-40°	11623.8	38.6
0°-60°	22378.9	74.3
0°-90°	26675.4	88.6
90°-120°	2541.1	8.4
90°-150°	3325.6	11.0
90°-180°	3442.0	11.4
0°-180°	30117.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9107	9107	9107	9107	9107	
5°	9022	9091	9140	9221	9211	856
15°	8537	8777	8861	8794	8724	2404
25°	7564	7969	7834	7686	7694	3471
35°	6140	6788	7128	8313	8845	3827
45°	4521	5688	7775	9413	9610	3486
55°	3010	4983	7240	6348	5643	2701
65°	1727	3452	3314	1843	1586	1709
75°	696	1615	1065	729	692	758
85°	147	576	542	530	536	164
90°	8	246	408	466	475	15
95°	57	229	415	499	521	195
105°	1196	1266	1290	1052	956	1130
115°	833	860	934	963	950	835
125°	418	436	494	502	499	389
135°	249	254	279	305	307	196
145°	189	188	194	208	212	119
155°	154	157	155	157	157	70
165°	119	120	121	123	123	34
175°	108	109	109	110	110	10
180°	107	107	107	107	107	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9106.7	9106.7	9106.7	9106.7	9106.7
2.5°	9067.4	9106.7	9108.6	9163.7	9157.8
5°	9022.2	9091.0	9140.1	9220.7	9210.8
7.5°	8947.6	9055.6	9142.1	9230.6	9222.6
10°	8841.5	8988.8	9102.8	9175.5	9151.9
12.5°	8704.0	8898.4	9010.5	9026.2	8981.0
15°	8536.9	8776.6	8861.1	8794.3	8723.6
17.5°	8348.3	8629.3	8658.7	8513.4	8425.0
20°	8112.6	8432.8	8403.4	8202.9	8104.7
22.5°	7851.2	8216.7	8122.4	7912.1	7817.9
25°	7564.4	7969.1	7833.5	7686.2	7694.0
27.5°	7228.4	7688.2	7556.5	7623.3	7749.1
30°	6886.6	7393.4	7312.9	7701.9	7949.5
32.5°	6511.3	7090.8	7163.6	7931.8	8336.6
35°	6139.9	6788.3	7128.2	8312.9	8845.4
37.5°	5729.2	6481.8	7185.2	8753.1	9311.0
40°	5330.4	6183.2	7314.8	9148.0	9619.5
42.5°	4923.8	5915.9	7532.9	9381.8	9749.2
45°	4520.9	5688.0	7774.6	9413.2	9609.8
47.5°	4118.2	5495.5	7941.6	9163.7	9073.3
50°	3729.1	5324.5	7953.4	8564.5	8195.0
52.5°	3365.6	5167.4	7737.3	7609.5	7035.8
55°	3010.1	4982.7	7240.2	6348.2	5642.8
57.5°	2685.9	4727.2	6474.0	4992.5	4222.3
60°	2342.0	4381.4	5483.7	3652.5	3045.4
62.5°	2025.7	3951.1	4373.6	2542.4	2188.8
65°	1727.0	3452.1	3314.5	1843.0	1585.6
67.5°	1410.7	2935.3	2446.2	1343.9	1178.8
70°	1163.1	2455.9	1821.4	1045.3	949.0
72.5°	909.7	2000.1	1361.6	848.8	795.7
75°	695.5	1615.1	1064.9	728.9	691.6
77.5°	512.8	1277.1	856.7	644.4	609.0
80°	359.6	1005.9	717.2	575.6	562.0
82.5°	241.7	778.0	611.0	548.2	550.1
85°	147.4	575.6	542.2	530.5	536.4
87.5°	70.7	408.7	465.6	483.3	489.2
90°	8.5	246.4	407.9	465.5	475.2
92.5°	19.5	206.6	375.8	440.8	452.5
95°	57.0	228.8	415.2	498.7	520.6
97.5°	327.7	422.2	534.6	631.3	673.4
100°	645.2	762.0	731.3	788.8	799.3
102.5°	1014.6	1103.9	1006.5	911.9	888.0
105°	1196.1	1266.4	1290.2	1052.1	956.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	964.7	1007.5	1091.0	1106.3	1087.9
115°	832.6	860.0	933.8	963.0	950.2
117.5°	706.1	732.3	799.1	815.2	809.7
120°	596.3	620.4	675.5	693.4	688.0
122.5°	500.5	524.2	581.9	593.3	586.9
125°	417.6	435.6	493.9	502.4	498.8
127.5°	354.3	364.6	416.1	434.8	432.2
130°	306.8	314.2	358.9	380.4	383.4
132.5°	274.2	280.7	314.7	337.1	340.2
135°	249.1	253.8	279.0	305.2	307.2
137.5°	226.8	233.3	251.6	275.1	279.0
140°	211.0	215.6	228.1	249.6	252.5
142.5°	199.0	200.7	211.2	228.8	231.7
145°	188.8	187.7	194.3	207.9	211.9
147.5°	177.6	179.4	183.1	192.8	194.8
150°	169.3	172.1	171.9	176.7	181.6
152.5°	161.8	163.7	162.6	164.4	168.3
155°	154.4	157.2	155.1	157.0	157.0
157.5°	133.1	134.9	136.8	137.7	138.7
160°	128.4	129.3	131.2	132.1	133.1
162.5°	122.8	124.7	125.6	126.6	127.5
165°	119.1	120.0	121.0	122.8	122.8
167.5°	115.4	116.3	117.2	118.2	118.2
170°	112.6	113.5	114.5	114.5	114.5
172.5°	109.8	110.7	111.7	111.7	111.7
175°	107.9	108.9	108.9	109.8	109.8
177.5°	107.0	107.9	107.9	107.9	108.9
180°	107.0	107.0	107.0	107.0	107.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1197.3	1265.1	1325.5	1214.7	<i>1088.3</i>
110°	1098.6	1161.3	1230.4	1214.4	<i>1153.1</i>



(END OF REPORT)