

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: P826574

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826574
REPORT IS A COMBINATION OF REPORTS P826280 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-30HE-W-UNV-L830-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

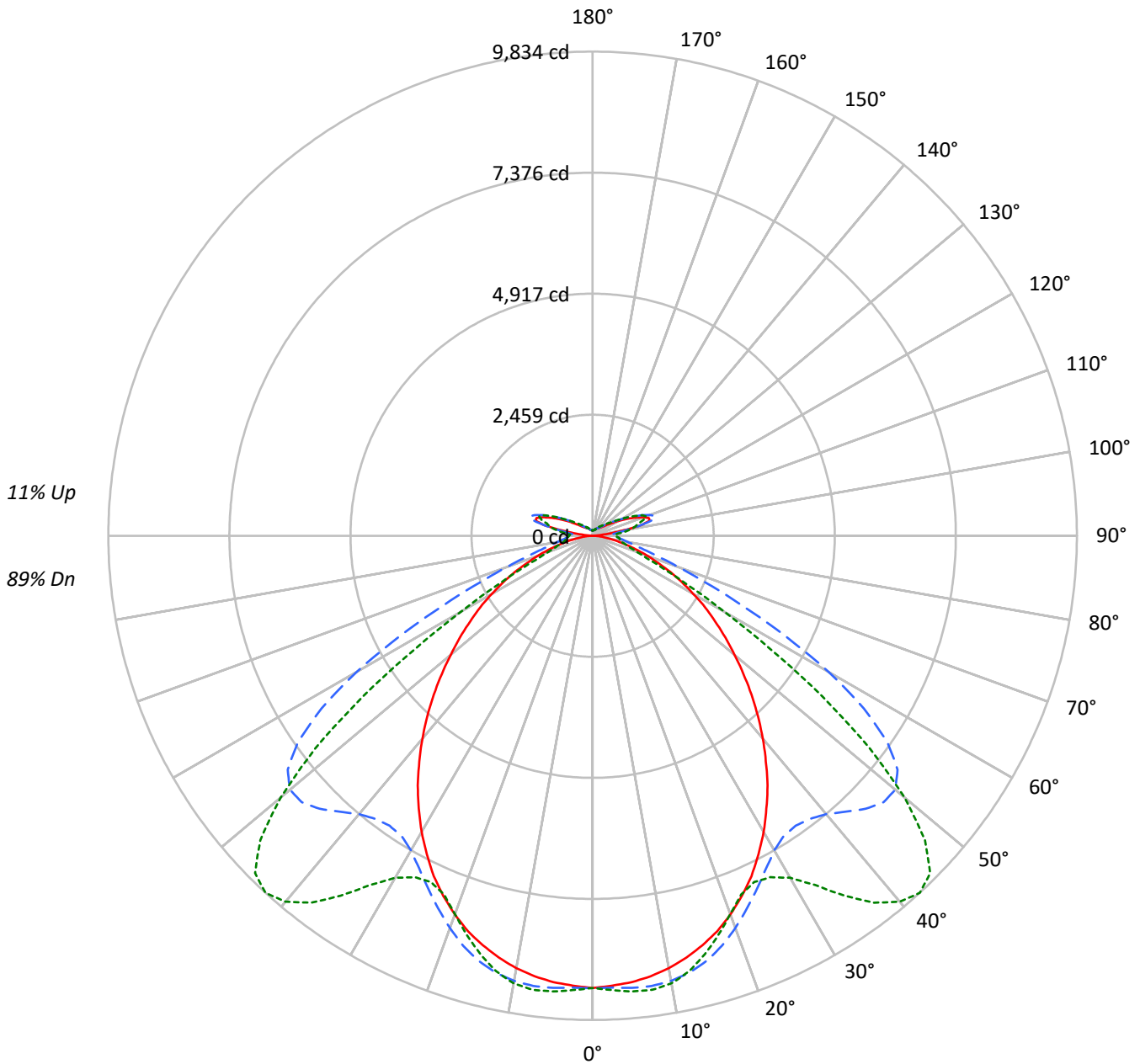
Lumens per Lamp: N/A
Luminaire Lumens: 30353.7 lumens
Efficiency: N/A
Efficacy: 162.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 187
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

TEST NUMBER: P826574

CATALOG NUMBER: OHBL-30HE-W-UNV-L830-CD-UPL30

Luminous Intensity Polar Plot





TEST NUMBER: P826574

CATALOG NUMBER: OHBL-30HE-W-UNV-L830-CD-UPL30

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	57	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°	14527	14527	14527
5°	14331	14513	14692
10°	14091	14498	14710
15°	13757	14264	14238
20°	13322	13780	13541
25°	12763	13193	13269
30°	12041	12758	14279
35°	11228	13001	16709
40°	10300	14090	19317
45°	9334	15993	20763
50°	8335	17699	19322
55°	7393	17693	14764
60°	6439	14986	9027
65°	5439	10363	5468
70°	4324	6712	3948
75°	3185	4823	3660
80°	2165	4255	4130
85°	1310	4716	6527



TEST NUMBER: P826574

CATALOG NUMBER: OHBL-30HE-W-UNV-L830-CD-UPL30

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	877.8	2.9
10°-20°	2485.6	8.2
20°-30°	3637.3	12.0
30°-40°	4723.8	15.6
40°-50°	5768.4	19.0
50°-60°	5080.0	16.7
60°-70°	2647.2	8.7
70°-80°	1135.2	3.7
80°-90°	551.2	1.8
90°-100°	476.4	1.6
100°-110°	1155.1	3.8
110°-120°	914.0	3.0
120°-130°	438.1	1.4
130°-140°	220.7	0.7
140°-150°	126.4	0.4
150°-160°	71.1	0.2
160°-170°	34.7	0.1
170°-180°	10.6	0.0
0°-30°	7000.8	23.1
0°-40°	11724.6	38.6
0°-60°	22572.9	74.4
0°-90°	26906.5	88.6
90°-120°	2545.5	8.4
90°-150°	3330.7	11.0
90°-180°	3447.0	11.4
0°-180°	30353.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9186	9186	9186	9186	9186	
5°	9100	9170	9219	9301	9291	863
15°	8611	8853	8938	8870	8799	2425
25°	7630	8038	7901	7753	7761	3501
35°	6193	6847	7190	8385	8922	3860
45°	4560	5737	7842	9495	9693	3516
55°	3036	5026	7303	6403	5692	2725
65°	1742	3482	3343	1859	1599	1723
75°	702	1629	1074	735	698	765
85°	149	581	547	535	541	166
90°	8	248	411	469	479	15
95°	57	230	418	502	524	195
105°	1196	1267	1292	1054	958	1130
115°	833	860	935	964	952	835
125°	418	436	494	503	500	389
135°	249	254	279	306	308	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	



TEST NUMBER: P826574

CATALOG NUMBER: OHBL-30HE-W-UNV-L830-CD-UPL30

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9185.7	9185.7	9185.7	9185.7	<i>9185.7</i>
2.5°	9146.1	9185.7	9187.7	9243.1	<i>9237.2</i>
5°	9100.5	9169.8	9219.4	9300.6	<i>9290.7</i>
7.5°	9025.2	9134.1	9221.3	9310.5	<i>9302.6</i>
10°	8918.2	9066.8	9181.7	9255.0	<i>9231.2</i>
12.5°	8779.4	8975.6	9088.6	9104.4	<i>9058.9</i>
15°	8611.0	8852.7	8938.0	8870.5	<i>8799.2</i>
17.5°	8420.7	8704.0	8733.8	8587.2	<i>8498.0</i>
20°	8182.8	8505.9	8476.2	8274.0	<i>8174.9</i>
22.5°	7919.3	8287.9	8192.8	7980.7	<i>7885.6</i>
25°	7629.9	8038.2	7901.4	7752.8	<i>7760.7</i>
27.5°	7291.1	7754.8	7622.0	7689.4	<i>7816.2</i>
30°	6946.2	7457.6	7376.2	7768.6	<i>8018.4</i>
32.5°	6567.7	7152.3	7225.7	8000.5	<i>8408.8</i>
35°	6193.1	6847.1	7190.0	8385.0	<i>8922.1</i>
37.5°	5778.9	6538.0	7247.4	8828.9	<i>9391.8</i>
40°	5376.7	6236.8	7378.3	9227.3	<i>9702.9</i>
42.5°	<i>4966.4</i>	<i>5967.2</i>	<i>7598.3</i>	<i>9463.1</i>	<i>9833.7</i>
45°	4560.1	5737.3	7842.0	9494.8	<i>9693.0</i>
47.5°	4153.9	5543.1	8010.5	9243.1	<i>9152.0</i>
50°	3761.5	5370.7	8022.3	8638.7	<i>8266.1</i>
52.5°	3394.9	5212.1	7804.4	7675.5	<i>7096.9</i>
55°	3036.1	5025.8	7302.9	6403.2	<i>5691.7</i>
57.5°	2709.1	4768.3	6530.1	5035.8	<i>4258.9</i>
60°	2362.3	4419.4	5531.2	3684.2	<i>3071.8</i>
62.5°	2043.2	3985.4	4411.5	2564.4	<i>2207.7</i>
65°	1742.0	3482.0	3343.3	1859.0	<i>1599.3</i>
67.5°	1422.9	2960.8	2467.4	1355.5	<i>1189.1</i>
70°	1173.2	2477.2	1837.1	1054.3	<i>957.2</i>
72.5°	917.6	2017.4	1373.4	856.1	<i>802.6</i>
75°	701.5	1629.0	1074.1	735.2	<i>697.6</i>
77.5°	517.3	1288.2	864.0	650.0	<i>614.4</i>
80°	362.6	1014.7	723.3	580.7	<i>566.8</i>
82.5°	243.8	784.8	616.3	552.9	<i>554.9</i>
85°	148.6	580.7	547.0	535.1	<i>541.0</i>
87.5°	71.4	412.2	469.7	487.5	<i>493.5</i>
90°	8.5	248.2	410.9	469.0	<i>478.9</i>
92.5°	19.5	208.0	378.6	444.0	<i>455.8</i>
95°	57.0	229.8	417.6	501.6	<i>523.6</i>
97.5°	327.8	423.0	536.8	633.9	<i>676.1</i>
100°	645.2	762.8	733.3	791.3	<i>801.9</i>
102.5°	1014.7	1104.7	1008.3	914.1	<i>890.2</i>
105°	1196.2	1267.0	1291.8	1054.0	<i>958.4</i>



TEST NUMBER: P826574

CATALOG NUMBER: OHBL-30HE-W-UNV-L830-CD-UPL30

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	964.8	1007.9	1092.1	1107.7	1089.3
115°	832.7	860.4	934.7	964.2	951.5
117.5°	706.2	732.6	799.9	816.3	810.8
120°	596.4	620.6	676.2	694.5	689.0
122.5°	500.5	524.5	582.6	594.2	587.7
125°	417.7	435.8	494.5	503.2	499.5
127.5°	354.4	364.7	416.7	435.6	432.9
130°	306.9	314.3	359.3	381.0	384.0
132.5°	274.3	280.8	315.1	337.7	340.8
135°	249.2	253.9	279.3	305.7	307.6
137.5°	226.9	233.4	251.9	275.4	279.4
140°	211.0	215.7	228.3	249.9	252.8
142.5°	199.0	200.8	211.4	229.1	232.0
145°	188.9	187.8	194.4	208.2	212.1
147.5°	177.7	179.5	183.2	193.0	195.0
150°	169.4	172.2	172.0	176.8	181.7
152.5°	161.9	163.8	162.7	164.5	168.4
155°	154.5	157.3	155.2	157.1	157.1
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	1265.6	1326.9	1216.3	<i>1090.1</i>
110°	1098.6	1161.8	1231.7	1216.0	<i>1154.7</i>



(END OF REPORT)