

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: P826573

Luminaire Tested: **OHBL-30HE-W-UNV-L830-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826573
REPORT IS A COMBINATION OF REPORTS P826124 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-30HE-W-UNV-L830-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

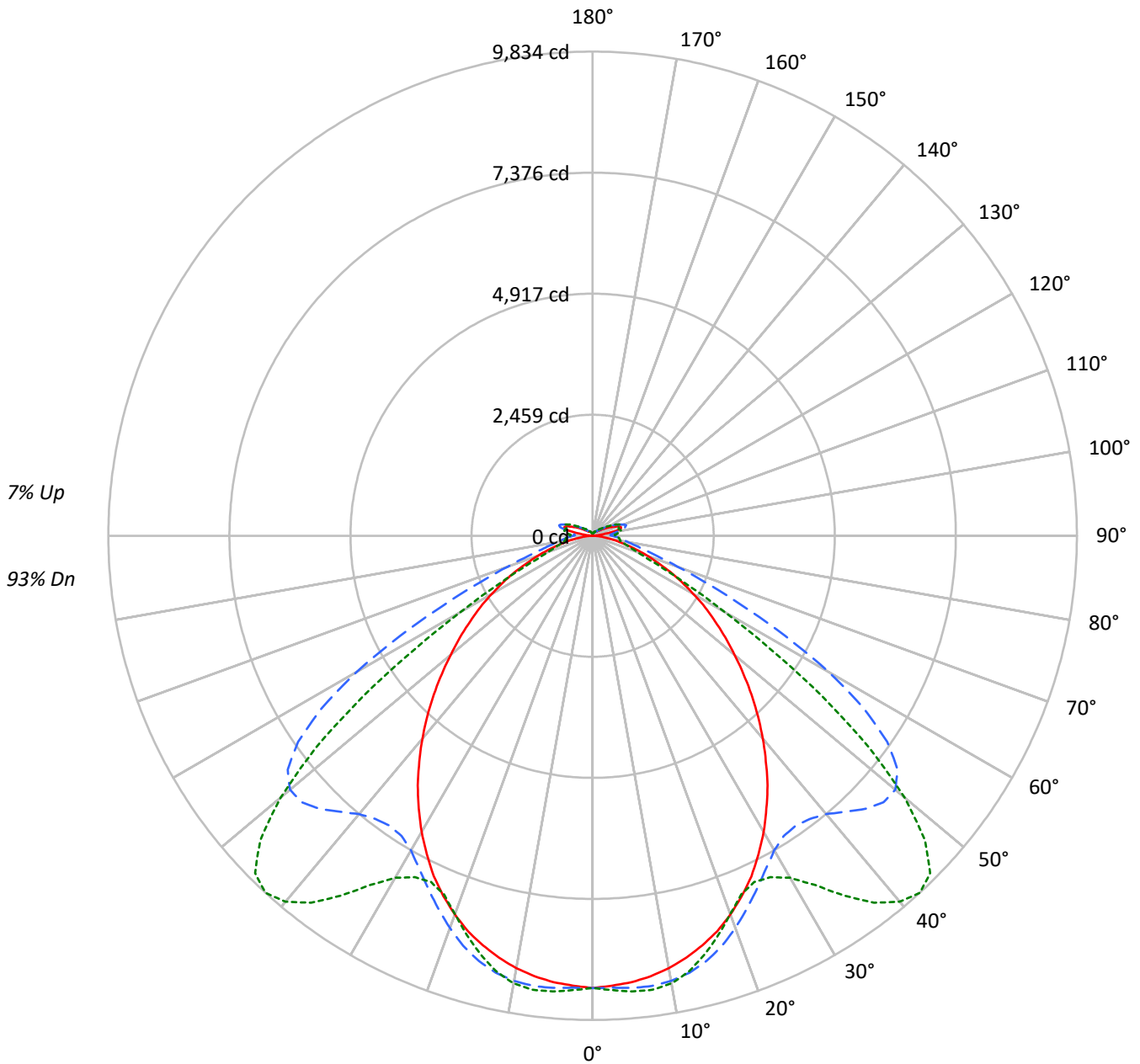
Lumens per Lamp: N/A
Luminaire Lumens: 28917.2 lumens
Efficiency: N/A
Efficacy: 166.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174.1
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

TEST NUMBER: P826573

CATALOG NUMBER: OHBL-30HE-W-UNV-L830-CD-UPL15

Luminous Intensity Polar Plot





TEST NUMBER: P826573

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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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93																			
1	108	103	99	95	104	100	96	93	95	92	89	90	87	85	85	83	81	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	66																			
3	90	79	71	65	86	77	70	64	73	67	62	70	64	60	66	62	58	56																			
4	82	70	62	55	79	68	60	54	65	58	53	62	56	51	59	54	50	48																			
5	75	63	54	47	73	61	53	47	58	51	45	55	49	44	53	48	43	41																			
6	69	56	47	41	67	55	47	41	52	45	40	50	44	39	48	42	38	36																			
7	64	51	42	36	62	50	41	36	47	40	35	45	39	34	43	38	33	31																			
8	59	46	38	32	58	45	37	32	43	36	31	41	35	30	40	34	30	28																			
9	55	42	34	28	54	41	34	28	40	33	28	38	32	27	37	31	27	25																			
10	52	39	31	26	50	38	30	25	37	30	25	35	29	25	34	28	24	22																			

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: P826573

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	877.8	3.0
10°-20°	2485.6	8.6
20°-30°	3637.3	12.6
30°-40°	4723.8	16.3
40°-50°	5768.4	19.9
50°-60°	5080.0	17.6
60°-70°	2647.2	9.2
70°-80°	1135.2	3.9
80°-90°	548.7	1.9
90°-100°	391.7	1.4
100°-110°	628.7	2.2
110°-120°	497.6	1.7
120°-130°	244.8	0.8
130°-140°	122.5	0.4
140°-150°	68.5	0.2
150°-160°	37.1	0.1
160°-170°	17.0	0.1
170°-180°	5.2	0.0
0°-30°	7000.8	24.2
0°-40°	11724.6	40.5
0°-60°	22572.9	78.1
0°-90°	26904.0	93.0
90°-120°	1518.0	5.2
90°-150°	1953.8	6.8
90°-180°	2013.0	7.0
0°-180°	28917.2	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°	5	230	388	448	462	12
95°	30	190	387	469	500	96
105°	597	650	681	574	549	566
115°	418	445	524	548	544	422
125°	210	227	280	298	300	197
135°	128	132	155	178	181	102
145°	100	98	102	116	120	63
155°	84	85	83	83	84	37
165°	59	59	60	60	60	17
175°	53	53	53	54	54	5
180°	53	53	53	53	53	



TEST NUMBER: P826573

CATALOG NUMBER: OHBL-30HE-W-UNV-L830-CD-UPL15

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°	4.7	230.5	387.7	447.6	<i>462.1</i>
92.5°	9.3	186.6	359.9	428.1	<i>447.4</i>
95°	30.1	189.8	386.9	469.0	<i>500.4</i>
97.5°	158.5	275.1	447.5	527.8	<i>550.5</i>
100°	319.6	425.9	508.1	571.6	<i>584.1</i>
102.5°	510.3	564.9	566.2	573.5	<i>571.9</i>
105°	597.0	650.0	681.4	573.9	<i>548.9</i>



TEST NUMBER: P826573

CATALOG NUMBER: OHBL-30HE-W-UNV-L830-CD-UPL15

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	485.6	527.7	602.6	613.6	600.8
115°	417.6	445.4	524.4	548.3	543.9
117.5°	361.9	381.8	450.9	472.9	473.0
120°	304.2	323.7	382.2	404.1	405.2
122.5°	253.9	271.4	329.5	348.5	349.5
125°	210.2	227.3	280.5	298.4	299.5
127.5°	179.4	187.9	239.0	258.8	258.9
130°	157.1	161.7	203.0	223.7	227.7
132.5°	141.3	145.0	177.4	198.1	203.0
135°	128.2	132.0	154.6	178.2	181.1
137.5°	118.9	120.8	138.4	159.1	164.0
140°	109.6	112.4	123.1	143.9	146.7
142.5°	105.1	105.0	112.8	130.5	132.4
145°	100.5	98.5	102.3	116.0	119.9
147.5°	95.8	95.8	97.6	105.5	108.5
150°	91.2	93.1	90.1	94.9	98.9
152.5°	87.5	88.4	86.4	86.4	91.2
155°	83.8	84.7	82.6	82.6	83.6
157.5°	65.1	66.1	67.0	67.9	67.9
160°	62.3	63.3	64.2	64.2	65.1
162.5°	60.5	61.4	61.4	62.3	62.3
165°	58.6	58.6	59.6	59.6	59.6
167.5°	56.8	56.8	57.7	57.7	58.6
170°	54.9	55.8	55.8	55.8	56.8
172.5°	54.0	54.0	54.9	54.9	54.9
175°	53.0	53.0	53.0	54.0	54.0
177.5°	52.1	53.0	53.0	53.0	53.0
180°	53.0	53.0	53.0	53.0	53.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	598.9	651.4	712.7	620.8	556.8
110°	553.3	601.6	670.6	654.8	601.0



(END OF REPORT)