

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: P826569

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826569
REPORT IS A COMBINATION OF REPORTS P826122 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-N-UNV-L830-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

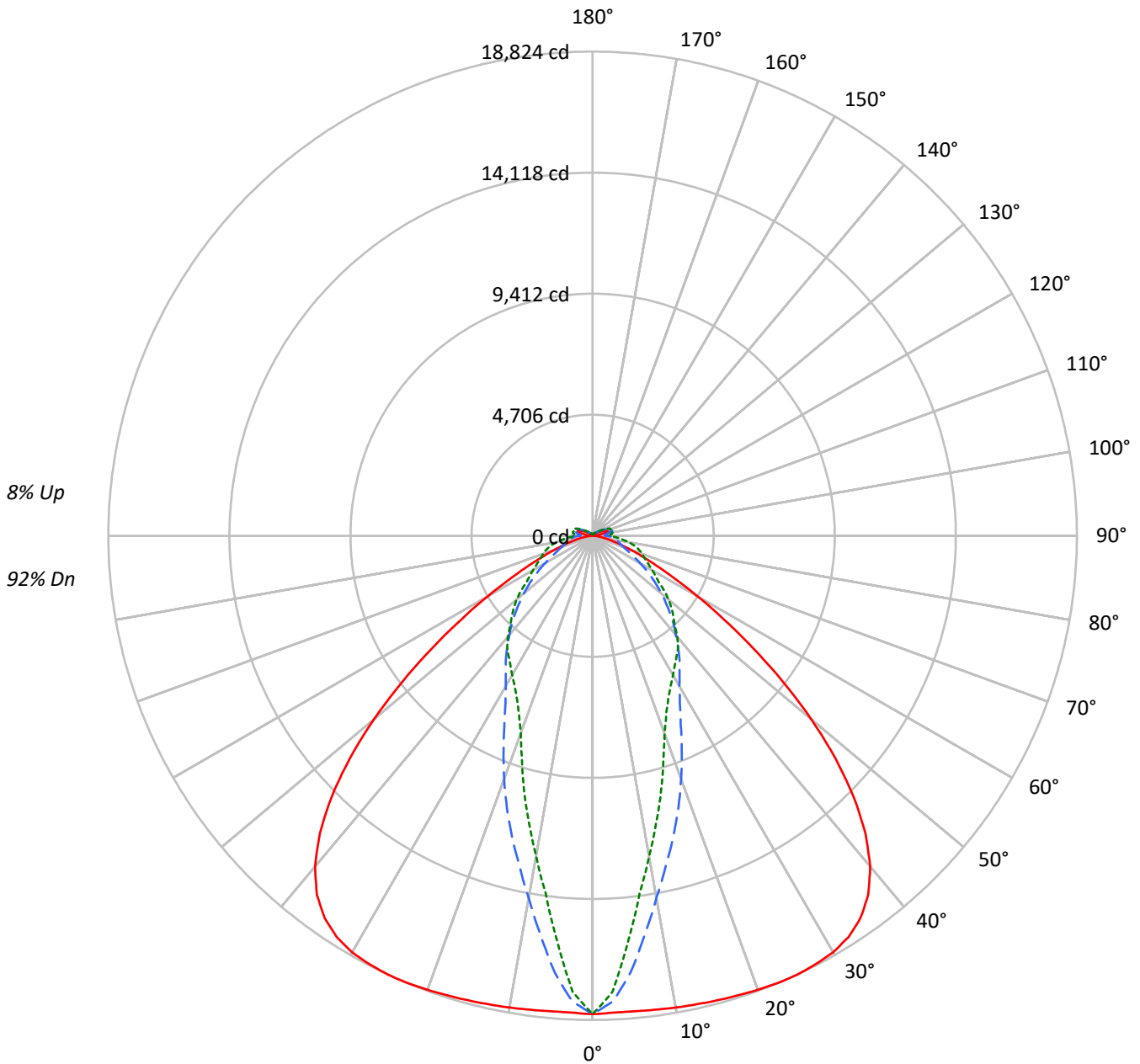
Lumens per Lamp: N/A
Luminaire Lumens: 28859.5 lumens
Efficiency: N/A
Efficacy: 165.8 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174.1
Input Voltage (V): NR
Input Current (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: P826569

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

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	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92																			
1	108	103	99	96	104	100	97	93	95	92	89	89	87	85	84	83	81	78																			
2	99	92	85	80	96	89	83	79	84	80	76	80	76	73	76	73	70	67																			
3	91	82	74	68	88	80	73	67	76	70	65	72	67	63	68	64	61	59																			
4	84	74	66	59	82	72	64	59	68	62	57	65	60	55	62	58	54	52																			
5	78	67	58	52	76	65	57	52	62	55	50	59	54	49	57	52	48	46																			
6	73	61	52	47	70	59	52	46	57	50	45	54	49	44	52	47	43	41																			
7	68	56	48	42	66	54	47	41	52	46	41	50	44	40	48	43	39	37																			
8	64	51	43	38	62	50	43	38	48	42	37	46	41	36	45	40	36	34																			
9	60	47	40	35	58	46	39	34	45	38	34	43	37	33	42	36	33	31																			
10	56	44	37	32	55	43	36	32	42	35	31	40	35	31	39	34	30	28																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29409	29409	29409
5°	29226	26794	25022
10°	29431	22580	20162
15°	29876	19320	16631
20°	30579	16344	13520
25°	31488	13535	11911
30°	32413	11666	11129
35°	32907	10638	10670
40°	32148	9615	10193
45°	29371	8695	9512
50°	24581	7688	9010
55°	18498	6741	8108
60°	12808	5788	7869
65°	8482	4992	7842
70°	5669	4695	8431
75°	3809	4856	9342
80°	2484	5404	10226
85°	1295	6821	12193



TEST NUMBER: P826569

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1565.4	5.4
10°-20°	3682.5	12.8
20°-30°	4616.0	16.0
30°-40°	4898.1	17.0
40°-50°	4428.6	15.3
50°-60°	3211.0	11.1
60°-70°	2015.1	7.0
70°-80°	1333.5	4.6
80°-90°	771.8	2.7
90°-100°	507.7	1.8
100°-110°	726.5	2.5
110°-120°	562.0	1.9
120°-130°	270.4	0.9
130°-140°	132.1	0.5
140°-150°	75.5	0.3
150°-160°	41.2	0.1
160°-170°	17.0	0.1
170°-180°	5.2	0.0
0°-30°	9863.9	34.2
0°-40°	14761.9	51.2
0°-60°	22401.6	77.6
0°-90°	26522.0	91.9
90°-120°	1796.2	6.2
90°-150°	2274.2	7.9
90°-180°	2337.0	8.1
0°-180°	28859.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18596	18596	18596	18596	18596	
5°	18559	18083	17021	16232	15823	###
15°	18700	15242	12106	10766	10278	5303
25°	18824	11786	8106	7194	6966	8697
35°	18150	7835	5883	5699	5697	11283
45°	14348	4963	4264	4366	4441	10930
55°	7596	3076	2782	3018	3126	6863
65°	2717	1784	1611	2064	2294	2827
75°	839	961	1081	1680	1780	935
85°	147	398	791	1101	1011	176
90°	3	187	485	681	691	11
95°	33	184	503	681	727	99
105°	603	659	789	739	721	572
115°	425	461	608	655	652	429
125°	218	236	314	339	336	204
135°	134	141	167	194	195	106
145°	106	110	115	131	129	67
155°	89	95	99	101	98	38
165°	59	59	60	60	60	17
175°	53	53	53	54	54	5
180°	53	53	53	53	53	



TEST NUMBER: P826569

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18596.0	18596.0	18596.0	18596.0	18596.0
2.5°	18557.0	18450.9	18119.9	17918.1	17748.2
5°	18558.8	18082.7	17020.8	16231.5	15822.6
7.5°	18585.3	17527.0	15613.8	14461.6	14012.0
10°	18626.1	16838.5	14300.5	13072.3	12652.8
12.5°	18656.2	16063.3	13144.8	11882.9	11422.8
15°	18700.4	15242.1	12105.9	10766.1	10277.6
17.5°	18741.1	14468.6	11079.4	9679.4	9136.1
20°	18781.9	13635.1	10052.9	8610.4	8162.6
22.5°	18820.8	12755.4	9051.1	7780.4	7474.1
25°	18824.3	11785.6	8106.0	7194.5	6966.2
27.5°	18778.3	10780.3	7339.7	6704.3	6562.6
30°	18698.7	9805.1	6744.9	6350.3	6249.4
32.5°	18500.5	8810.4	6284.8	6008.7	5950.3
35°	18150.0	7835.2	5883.1	5699.0	5697.2
37.5°	17597.8	6969.8	5447.7	5415.8	5454.7
40°	16781.9	6212.2	5035.2	5120.2	5120.2
42.5°	15693.4	5553.8	4661.8	4748.5	4725.5
45°	14348.3	4962.7	4263.6	4366.3	4440.6
47.5°	12789.1	4442.4	3856.5	4054.8	4157.4
50°	11093.5	3946.8	3484.8	3737.9	3854.7
52.5°	9316.5	3488.4	3122.0	3412.3	3506.1
55°	7596.3	3076.0	2782.3	3017.6	3125.6
57.5°	6038.7	2683.2	2449.5	2672.5	2895.5
60°	4699.0	2345.1	2136.3	2454.8	2677.8
62.5°	3589.2	2044.2	1842.4	2251.3	2474.3
65°	2716.8	1784.1	1610.6	2063.7	2293.7
67.5°	2047.8	1559.2	1430.1	1927.4	2152.2
70°	1538.0	1341.6	1284.9	1842.4	2044.2
72.5°	1136.3	1141.6	1169.9	1768.1	1922.1
75°	838.9	961.1	1081.4	1679.6	1780.5
77.5°	600.0	796.5	1001.7	1573.4	1608.8
80°	416.0	649.5	918.6	1433.6	1403.5
82.5°	260.2	520.4	844.2	1279.6	1196.4
85°	146.9	398.2	791.2	1100.8	1010.6
87.5°	65.5	297.3	692.1	858.3	801.8
90°	2.8	186.9	485.4	681.4	691.3
92.5°	12.8	164.2	465.8	650.7	677.7
95°	33.1	183.8	503.1	680.8	727.0
97.5°	163.3	276.7	568.6	728.4	766.4
100°	324.2	430.8	626.9	761.2	785.4
102.5°	516.7	572.6	680.5	750.4	759.0
105°	603.2	658.6	788.8	739.2	721.0



TEST NUMBER: P826569

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	491.3	540.4	693.0	734.7	726.8
115°	425.2	460.6	607.7	655.4	652.3
117.5°	369.2	394.0	523.3	565.7	565.6
120°	311.6	336.5	443.7	479.0	478.0
122.5°	261.3	282.9	376.0	403.4	400.7
125°	217.6	235.8	314.0	338.6	335.9
127.5°	186.9	197.0	262.9	287.6	284.0
130°	164.6	172.8	220.9	246.6	246.6
132.5°	147.0	154.3	190.9	216.5	217.5
135°	134.0	141.3	167.0	193.7	194.7
137.5°	124.7	131.9	149.7	173.7	174.7
140°	115.4	121.7	135.1	157.4	158.3
142.5°	110.6	114.3	123.2	142.8	142.8
145°	105.9	109.5	114.9	130.9	129.2
147.5°	101.2	106.6	110.3	119.1	118.3
150°	96.6	103.8	104.7	110.9	109.2
152.5°	92.9	99.1	101.0	104.5	103.7
155°	89.1	95.4	99.0	100.8	98.2
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°	603.2	662.6	815.3	769.3	713.7
110°	559.4	613.6	769.9	787.9	742.7



(END OF REPORT)