

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: P830200

Luminaire Tested: **OHBL-30HE-N-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830200
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-N-UNV-L735-CD
Description: 30000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

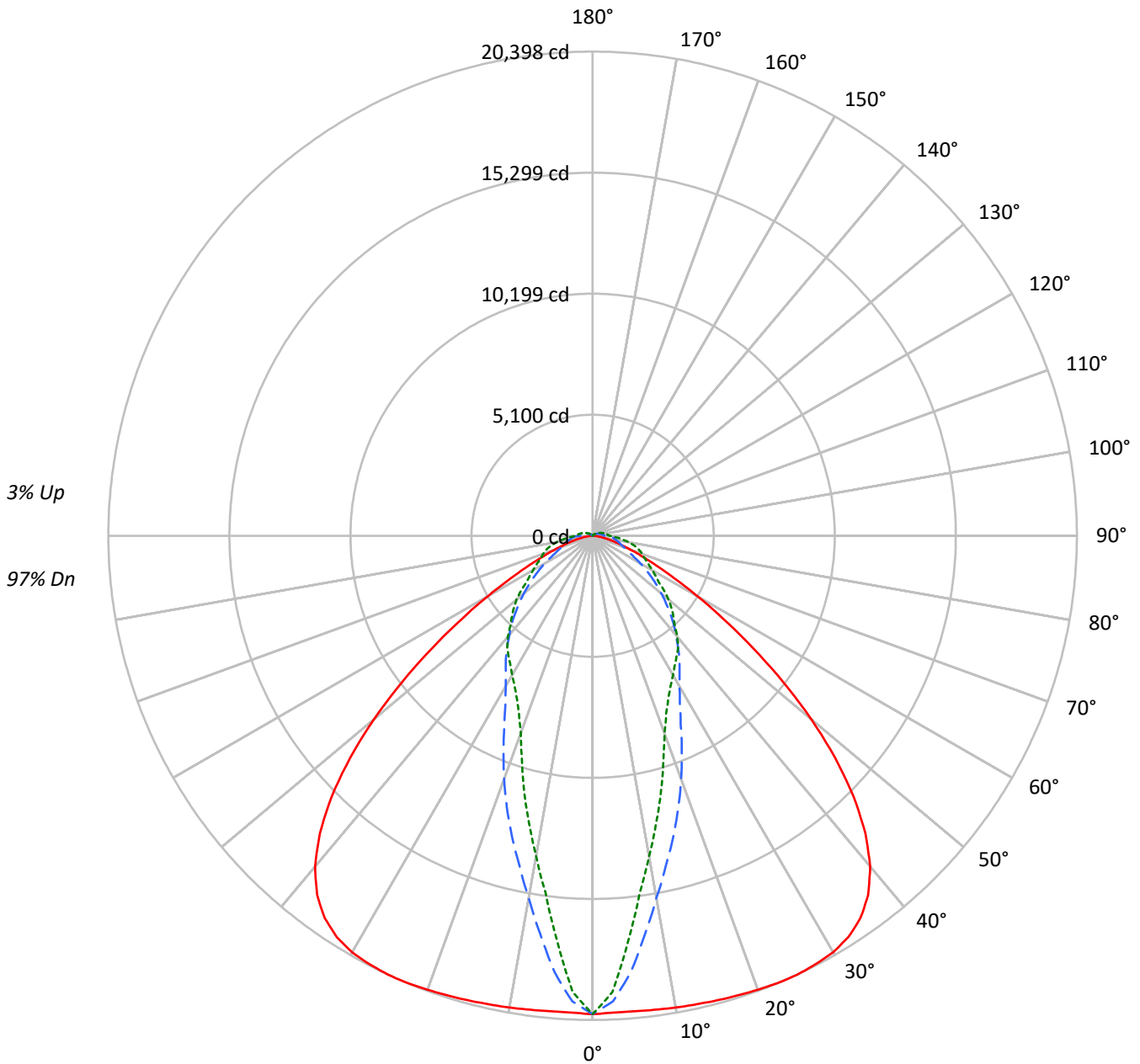
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29740.0 lumens
Efficiency: N/A
Efficacy: 181.6 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.8' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 163.8
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	82																	
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	71																	
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	62																	
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	54																	
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	48																	
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	43																	
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	39																	
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	35																	
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	32																	
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	30																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31867	31867	31867
5°	31803	29034	27000
10°	32161	24467	21663
15°	32790	20935	17792
20°	33711	17710	14400
25°	34876	14666	12627
30°	36082	12641	11739
35°	36833	11527	11193
40°	36203	10419	10628
45°	33305	9422	9850
50°	28099	8331	9255
55°	21351	7304	8248
60°	14963	6272	7909
65°	10064	5409	7760
70°	6874	5087	8165
75°	4770	5262	8761
80°	3284	5855	9081
85°	1921	7391	9653



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1696.2	5.7
10°-20°	3990.3	13.4
20°-30°	5001.8	16.8
30°-40°	5307.5	17.8
40°-50°	4798.8	16.1
50°-60°	3479.5	11.7
60°-70°	2183.5	7.3
70°-80°	1445.0	4.9
80°-90°	832.5	2.8
90°-100°	403.3	1.4
100°-110°	278.4	0.9
110°-120°	171.8	0.6
120°-130°	83.2	0.3
130°-140°	38.3	0.1
140°-150°	20.9	0.1
150°-160°	9.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	10688.4	35.9
0°-40°	15995.9	53.8
0°-60°	24274.1	81.6
0°-90°	28735.1	96.6
90°-120°	853.4	2.9
90°-150°	995.8	3.3
90°-180°	1005.0	3.4
0°-180°	29740.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20150	20150	20150	20150	20150	
5°	20110	19594	18444	17588	17145	###
15°	20264	16516	13118	11666	11137	5747
25°	20398	12771	8784	7796	7548	9423
35°	19667	8490	6375	6175	6173	12226
45°	15548	5378	4620	4731	4812	11844
55°	8231	3333	3015	3270	3387	7437
65°	2944	1933	1745	2236	2486	3063
75°	909	1041	1172	1820	1929	1013
85°	159	432	857	1193	1095	191
90°	0	180	497	700	706	10
95°	8	127	437	594	621	7
105°	15	84	318	422	433	15
115°	21	60	215	268	274	21
125°	23	31	109	138	136	20
135°	19	23	48	75	75	15
145°	23	25	29	44	42	14
155°	23	29	31	33	29	7
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20150.4	20150.4	20150.4	20150.4	20150.4
2.5°	20108.2	19993.2	19634.5	19415.9	19231.8
5°	20110.2	19594.3	18443.6	17588.2	17145.2
7.5°	20138.9	18992.1	16918.9	15670.4	15183.3
10°	20183.0	18246.1	15495.9	14164.9	13710.4
12.5°	20215.6	17406.0	14243.6	12876.2	12377.5
15°	20263.6	16516.2	13117.8	11666.0	11136.7
17.5°	20307.7	15678.1	12005.5	10488.5	9899.7
20°	20351.8	14774.8	10893.2	9330.1	8844.9
22.5°	20394.0	13821.7	9807.7	8430.7	8098.9
25°	20397.8	12770.7	8783.6	7795.9	7548.5
27.5°	20348.0	11681.4	7953.2	7264.7	7111.2
30°	20261.7	10624.7	7308.8	6881.1	6771.8
32.5°	20046.9	9546.9	6810.1	6511.0	6447.7
35°	19667.1	8490.1	6374.8	6175.4	6173.4
37.5°	19068.8	7552.3	5903.0	5868.5	5910.7
40°	18184.7	6731.5	5456.2	5548.2	5548.2
42.5°	17005.2	6018.1	5051.5	5145.5	5120.6
45°	15547.7	5377.5	4620.0	4731.2	4811.8
47.5°	13858.1	4813.7	4178.9	4393.7	4504.9
50°	12020.8	4276.7	3776.2	4050.4	4177.0
52.5°	10095.4	3780.0	3383.0	3697.5	3799.2
55°	8231.2	3333.2	3014.8	3269.9	3386.9
57.5°	6543.6	2907.4	2654.2	2895.9	3137.5
60°	5091.8	2541.1	2314.8	2660.0	2901.6
62.5°	3889.3	2215.1	1996.4	2439.5	2681.1
65°	2943.8	1933.2	1745.2	2236.2	2485.5
67.5°	2218.9	1689.6	1549.6	2088.5	2332.1
70°	1666.6	1453.7	1392.3	1996.4	2215.1
72.5°	1231.2	1237.0	1267.7	1915.9	2082.7
75°	909.0	1041.4	1171.8	1820.0	1929.3
77.5°	650.1	863.0	1085.5	1704.9	1743.3
80°	450.7	703.8	995.3	1553.4	1520.8
82.5°	281.9	563.8	914.8	1386.6	1296.4
85°	159.2	431.5	857.3	1192.9	1095.1
87.5°	71.0	322.2	749.9	930.1	868.8
90°	0.0	180.3	496.7	700.0	705.8
92.5°	3.8	149.6	458.4	640.5	659.7
95°	7.7	126.6	437.3	594.5	621.4
97.5°	9.6	111.2	410.4	552.3	575.3
100°	11.5	99.7	377.8	508.2	527.4
102.5°	13.4	92.1	347.1	462.2	477.5
105°	15.3	84.4	318.4	421.9	433.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	19.2	65.2	239.7	303.0	312.6
115°	21.1	59.5	214.8	268.5	274.2
117.5°	23.0	51.8	187.9	235.9	237.8
120°	23.0	46.0	161.1	201.4	201.4
122.5°	23.0	38.4	134.2	166.8	164.9
125°	23.0	30.7	109.3	138.1	136.2
127.5°	21.1	24.9	88.2	115.1	113.2
130°	21.1	24.9	71.0	97.8	97.8
132.5°	19.2	23.0	57.5	84.4	84.4
135°	19.2	23.0	47.9	74.8	74.8
137.5°	19.2	24.9	40.3	65.2	65.2
140°	19.2	23.0	34.5	57.5	57.5
142.5°	21.1	23.0	30.7	49.9	49.9
145°	23.0	24.9	28.8	44.1	42.2
147.5°	23.0	26.8	28.8	38.4	36.4
150°	23.0	28.8	28.8	34.5	32.6
152.5°	23.0	28.8	28.8	32.6	30.7
155°	23.0	28.8	30.7	32.6	28.8
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	15.3	78.6	291.5	377.8	391.2
110°	17.3	71.0	266.6	337.5	351.0



(END OF REPORT)