

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: P830632

Luminaire Tested: **OHBL-60HE-N-UNV-L735-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830632
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-60HE-N-UNV-L735-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

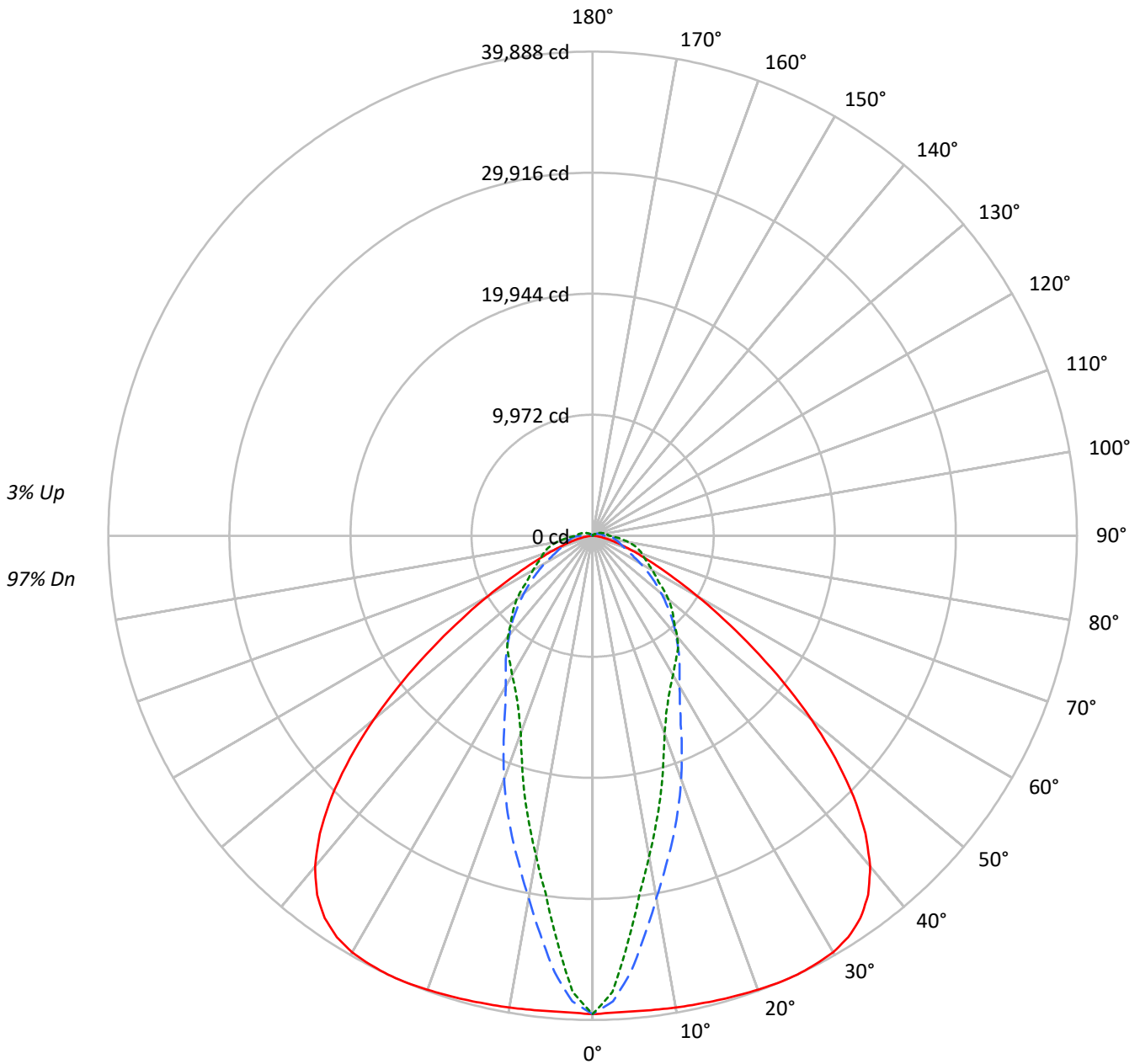
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58156.0 lumens
Efficiency: N/A
Efficacy: 172.1 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): 338
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					20					
RC	80					70					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	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	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	85	85	85	85	82		
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	73	73	73	73	71		
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	64	64	64	64	62		
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	56	56	56	56	54		
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	50	50	50	50	48		
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	45	45	45	45	43		
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	41	41	41	41	39		
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	37	37	37	37	35		
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	34	34	34	34	32		
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	32	32	32	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	62316	62316	62316
5°	62189	56775	52797
10°	62891	47846	42362
15°	64119	40938	34792
20°	65920	34631	28160
25°	68200	28679	24691
30°	70558	24720	22954
35°	72026	22541	21887
40°	70793	20374	20783
45°	65127	18425	19261
50°	54947	16291	18099
55°	41751	14283	16128
60°	29259	12264	15466
65°	19681	10578	15174
70°	13441	9948	15966
75°	9327	10289	17131
80°	6421	11450	17758
85°	3756	14452	18876



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3317.0	5.7
10°-20°	7803.0	13.4
20°-30°	9781.0	16.8
30°-40°	10378.7	17.8
40°-50°	9384.0	16.1
50°-60°	6804.0	11.7
60°-70°	4269.8	7.3
70°-80°	2825.6	4.9
80°-90°	1627.9	2.8
90°-100°	788.7	1.4
100°-110°	544.3	0.9
110°-120°	335.9	0.6
120°-130°	162.7	0.3
130°-140°	74.8	0.1
140°-150°	40.9	0.1
150°-160°	17.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	20900.9	35.9
0°-40°	31279.6	53.8
0°-60°	47467.6	81.6
0°-90°	56190.9	96.6
90°-120°	1668.9	2.9
90°-150°	1947.3	3.3
90°-180°	1965.0	3.4
0°-180°	58156.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	39404	39404	39404	39404	39404	
5°	39325	38316	36066	34394	33527	###
15°	39625	32297	25652	22813	21778	11237
25°	39888	24973	17176	15245	14761	18427
35°	38459	16602	12466	12076	12072	23908
45°	30403	10516	9034	9252	9409	23161
55°	16096	6518	5895	6394	6623	14543
65°	5757	3780	3413	4373	4860	5990
75°	1778	2036	2291	3559	3773	1982
85°	311	844	1676	2333	2141	373
90°	0	352	971	1369	1380	20
95°	15	248	855	1163	1215	13
105°	30	165	622	825	848	30
115°	41	116	420	525	536	40
125°	45	60	214	270	266	39
135°	38	45	94	146	146	29
145°	45	49	56	86	82	27
155°	45	56	60	64	56	14
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°	39403.8	39403.8	39403.8	39403.8	39403.8
2.5°	39321.3	39096.3	38395.0	37967.4	37607.4
5°	39325.0	38316.2	36066.1	34393.5	33527.2
7.5°	39381.3	37138.6	33084.6	30643.2	29690.7
10°	39467.5	35679.8	30302.0	27699.3	26810.5
12.5°	39531.3	34037.2	27853.0	25179.1	24204.1
15°	39625.1	32297.1	25651.7	22812.7	21777.7
17.5°	39711.3	30658.2	23476.5	20510.1	19358.7
20°	39797.6	28891.9	21301.4	18244.9	17296.1
22.5°	39880.1	27028.0	19178.7	16486.1	15837.3
25°	39887.6	24972.9	17176.1	15244.7	14761.0
27.5°	39790.1	22842.7	15552.3	14205.9	13905.9
30°	39621.3	20776.3	14292.2	13455.9	13242.1
32.5°	39201.3	18668.7	13317.1	12732.1	12608.3
35°	38458.7	16602.3	12465.8	12075.8	12072.0
37.5°	37288.7	14768.5	11543.2	11475.7	11558.2
40°	35559.8	13163.3	10669.4	10849.4	10849.4
42.5°	33253.4	11768.3	9878.1	10061.9	10013.1
45°	30403.2	10515.7	9034.3	9251.8	9409.4
47.5°	27099.2	9413.1	8171.8	8591.8	8809.3
50°	23506.5	8363.0	7384.2	7920.5	8168.0
52.5°	19741.3	7391.7	6615.4	7230.5	7429.2
55°	16096.0	6517.9	5895.4	6394.2	6622.9
57.5°	12795.8	5685.4	5190.3	5662.9	6135.4
60°	9956.9	4969.1	4526.5	5201.6	5674.1
62.5°	7605.5	4331.5	3904.0	4770.3	5242.8
65°	5756.6	3780.2	3412.7	4372.8	4860.3
67.5°	4339.0	3304.0	3030.2	4084.0	4560.3
70°	3259.0	2842.7	2722.7	3904.0	4331.5
72.5°	2407.7	2418.9	2478.9	3746.5	4072.8
75°	1777.6	2036.4	2291.4	3559.0	3772.7
77.5°	1271.3	1687.6	2122.6	3334.0	3409.0
80°	881.3	1376.3	1946.4	3037.7	2973.9
82.5°	551.3	1102.6	1788.9	2711.4	2535.2
85°	311.3	843.8	1676.4	2332.7	2141.4
87.5°	138.8	630.0	1466.3	1818.9	1698.9
90°	0.0	352.5	971.3	1368.8	1380.1
92.5°	7.5	292.5	896.3	1252.6	1290.1
95°	15.0	247.5	855.1	1162.6	1215.1
97.5°	18.8	217.5	802.6	1080.1	1125.1
100°	22.5	195.0	738.8	993.8	1031.3
102.5°	26.3	180.0	678.8	903.8	933.8
105°	30.0	165.0	622.5	825.1	847.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	37.5	127.5	468.8	592.5	611.3
115°	41.3	116.3	420.0	525.0	536.3
117.5°	45.0	101.3	367.5	461.3	465.0
120°	45.0	90.0	315.0	393.8	393.8
122.5°	45.0	75.0	262.5	326.3	322.5
125°	45.0	60.0	213.8	270.0	266.3
127.5°	41.3	48.8	172.5	225.0	221.3
130°	41.3	48.8	138.8	191.3	191.3
132.5°	37.5	45.0	112.5	165.0	165.0
135°	37.5	45.0	93.8	146.3	146.3
137.5°	37.5	48.8	78.8	127.5	127.5
140°	37.5	45.0	67.5	112.5	112.5
142.5°	41.3	45.0	60.0	97.5	97.5
145°	45.0	48.8	56.3	86.3	82.5
147.5°	45.0	52.5	56.3	75.0	71.3
150°	45.0	56.3	56.3	67.5	63.8
152.5°	45.0	56.3	56.3	63.8	60.0
155°	45.0	56.3	60.0	63.8	56.3
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°	30.0	153.8	570.0	738.8	765.0
110°	33.8	138.8	521.3	660.0	686.3



(END OF REPORT)