

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: P830655

Luminaire Tested: **OHBL-60HE-W-UNV-L730-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-60HE-W-UNV-L730-CD
Description: 60000 LUMEN OHBL HE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

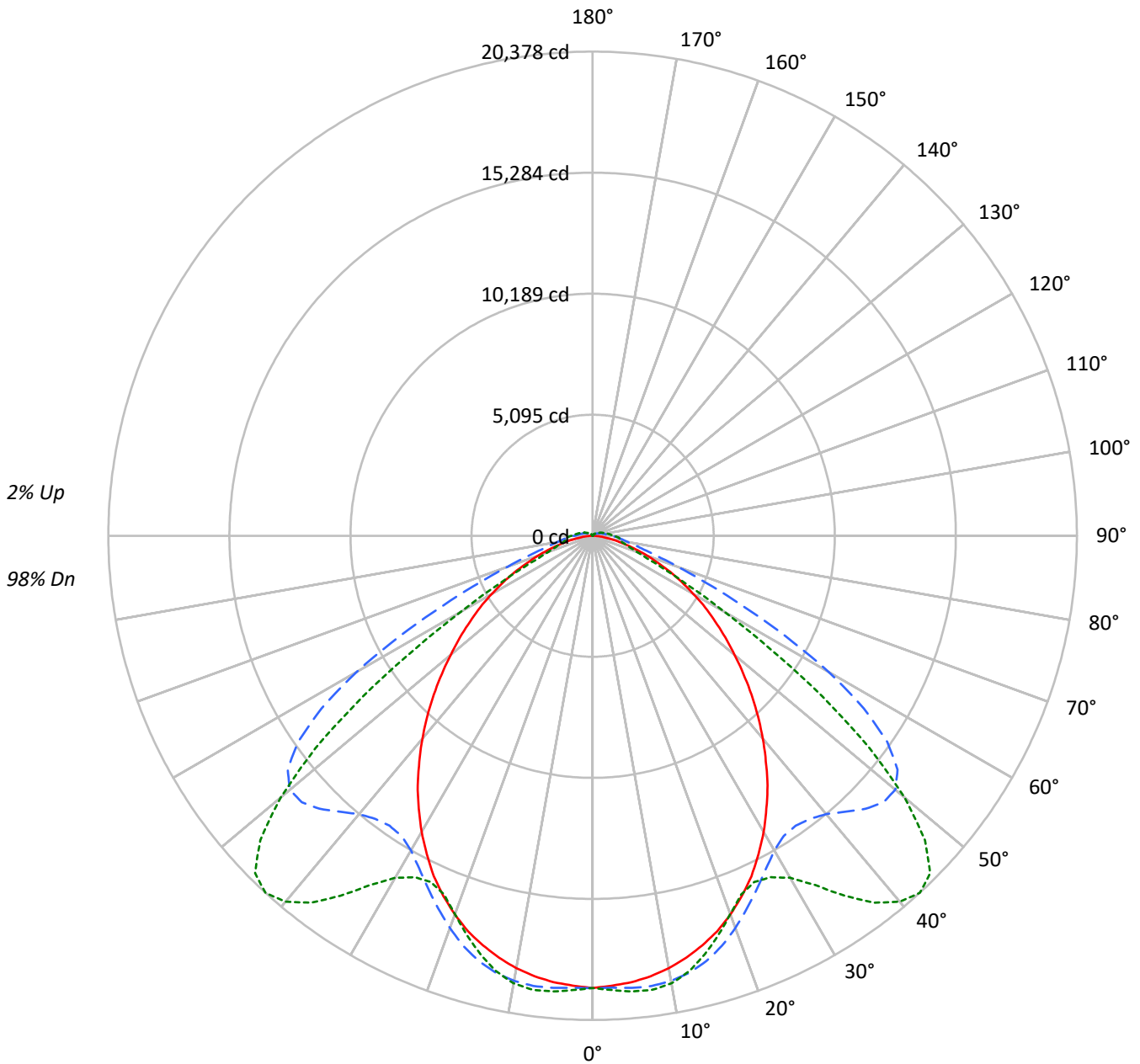
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56993.0 lumens
Efficiency: N/A
Efficacy: 168.6 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
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				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	0
RCR																					
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	100	100	100	98
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	85	85	85	83
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	72	72	72	70
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	61	61	61	59
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	40	40	40	38
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	35	35	35	33
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	28	28	28	26
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	25	25	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30103	30103	30103
5°	29822	30074	30318
10°	29448	30042	30225
15°	28874	29559	29131
20°	28087	28556	27580
25°	27034	27339	26901
30°	25633	26437	28803
35°	24035	26941	33520
40°	22181	29196	38516
45°	20242	33141	41115
50°	18220	36676	37954
55°	16320	36664	28721
60°	14385	31054	17350
65°	12341	21474	10347
70°	10027	13909	7311
75°	7628	9995	6564
80°	5475	8818	7013
85°	3716	9772	9882



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1819.0	3.2
10°-20°	5150.8	9.0
20°-30°	7537.3	13.2
30°-40°	9788.8	17.2
40°-50°	11953.3	21.0
50°-60°	10526.7	18.5
60°-70°	5485.5	9.6
70°-80°	2352.4	4.1
80°-90°	1129.7	2.0
90°-100°	530.7	0.9
100°-110°	329.9	0.6
110°-120°	195.0	0.3
120°-130°	106.0	0.2
130°-140°	53.2	0.1
140°-150°	25.6	0.0
150°-160°	8.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	14507.1	25.5
0°-40°	24295.8	42.6
0°-60°	46775.9	82.1
0°-90°	55743.5	97.8
90°-120°	1055.7	1.9
90°-150°	1240.5	2.2
90°-180°	1249.0	2.2
0°-180°	56993.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19035	19035	19035	19035	19035	
5°	18858	19002	19104	19273	19252	###
15°	17844	18345	18521	18382	18234	5024
25°	15811	16657	16374	16066	16082	7256
35°	12834	14189	14899	17376	18488	7999
45°	9450	11889	16250	19675	20086	7286
55°	6292	10415	15133	13269	11794	5647
65°	3610	7216	6928	3852	3314	3571
75°	1454	3376	2226	1524	1446	1585
85°	308	1203	1134	1109	1121	343
90°	4	435	747	854	875	21
95°	8	255	596	698	719	6
105°	16	144	386	464	472	17
115°	25	82	238	292	300	25
125°	29	41	140	181	185	24
135°	25	25	66	111	115	19
145°	33	25	29	53	62	19
155°	33	33	25	25	25	10
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CATALOG NUMBER: OHBL-60HE-W-UNV-L730-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19034.6	19034.6	19034.6	19034.6	19034.6
2.5°	18952.5	19034.6	19038.7	19153.7	19141.4
5°	18858.0	19001.8	19104.4	19272.8	19252.3
7.5°	18702.0	18927.8	19108.5	19293.3	19276.9
10°	18480.2	18788.2	19026.4	19178.4	19129.1
12.5°	18192.7	18599.3	18833.4	18866.2	18771.8
15°	17843.7	18344.7	18521.3	18381.7	18233.8
17.5°	17449.4	18036.7	18098.3	17794.4	17609.6
20°	16956.6	17626.0	17564.4	17145.5	16940.2
22.5°	16410.4	17174.3	16977.2	16537.7	16340.6
25°	15810.9	16656.8	16373.5	16065.5	16081.9
27.5°	15108.6	16069.6	15794.4	15934.1	16196.9
30°	14394.0	15453.6	15285.2	16098.3	16615.8
32.5°	13609.7	14821.1	14973.1	16578.8	17424.8
35°	12833.5	14188.7	14899.2	17375.5	18488.4
37.5°	11975.2	13548.1	15018.3	18295.4	19461.7
40°	11141.5	12923.8	15289.3	19120.9	20106.5
42.5°	10291.4	12365.3	15745.1	19609.6	20377.5
45°	9449.5	11888.9	16250.3	19675.3	20085.9
47.5°	8607.7	11486.5	16599.3	19153.7	18964.8
50°	7794.5	11129.2	16624.0	17901.2	17129.1
52.5°	7034.8	10800.7	16172.2	15905.3	14706.1
55°	6291.5	10414.6	15133.2	13268.8	11794.5
57.5°	5613.9	9880.8	13531.6	10435.2	8825.3
60°	4895.2	9158.0	11461.8	7634.4	6365.4
62.5°	4234.0	8258.6	9141.5	5314.1	4574.9
65°	3609.8	7215.5	6928.0	3852.1	3314.1
67.5°	2948.6	6135.4	5112.9	2809.0	2464.0
70°	2431.2	5133.4	3806.9	2184.8	1983.5
72.5°	1901.4	4180.6	2846.0	1774.1	1663.2
75°	1453.8	3375.7	2225.8	1523.6	1445.6
77.5°	1071.9	2669.4	1790.5	1347.0	1273.1
80°	751.5	2102.6	1499.0	1203.3	1174.5
82.5°	505.1	1626.3	1277.2	1145.8	1149.9
85°	308.0	1203.3	1133.5	1108.8	1121.1
87.5°	147.8	854.2	973.3	1010.3	1022.6
90°	4.1	435.3	747.4	854.2	874.7
92.5°	0.0	332.6	657.1	763.8	784.4
95°	8.2	254.6	595.5	698.1	718.7
97.5°	8.2	209.4	533.9	640.6	653.0
100°	12.3	180.7	476.4	579.0	591.4
102.5°	12.3	160.2	427.1	517.4	525.7
105°	16.4	143.7	386.0	464.1	472.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	24.6	98.6	271.0	328.5	336.8
115°	24.6	82.1	238.2	291.6	299.8
117.5°	28.7	73.9	209.4	258.7	262.8
120°	28.7	61.6	180.7	230.0	234.1
122.5°	28.7	49.3	160.2	205.3	209.4
125°	28.7	41.1	139.6	180.7	184.8
127.5°	24.6	28.7	119.1	160.2	164.3
130°	24.6	24.6	98.6	139.6	147.8
132.5°	24.6	24.6	82.1	123.2	131.4
135°	24.6	24.6	65.7	110.9	115.0
137.5°	24.6	24.6	53.4	94.5	102.7
140°	24.6	24.6	41.1	82.1	86.2
142.5°	28.7	24.6	37.0	69.8	73.9
145°	32.9	24.6	28.7	53.4	61.6
147.5°	32.9	28.7	28.7	45.2	49.3
150°	32.9	32.9	24.6	32.9	41.1
152.5°	32.9	32.9	24.6	24.6	32.9
155°	32.9	32.9	24.6	24.6	24.6
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°	20.5	127.3	345.0	414.8	423.0
110°	20.5	110.9	303.9	369.6	377.8



(END OF REPORT)