

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: P830695

Luminaire Tested: **OHBL-60SE-MFL-UNV-L830-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830695
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-60SE-MFL-UNV-L830-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3000K LEDS AND MEDIUM FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

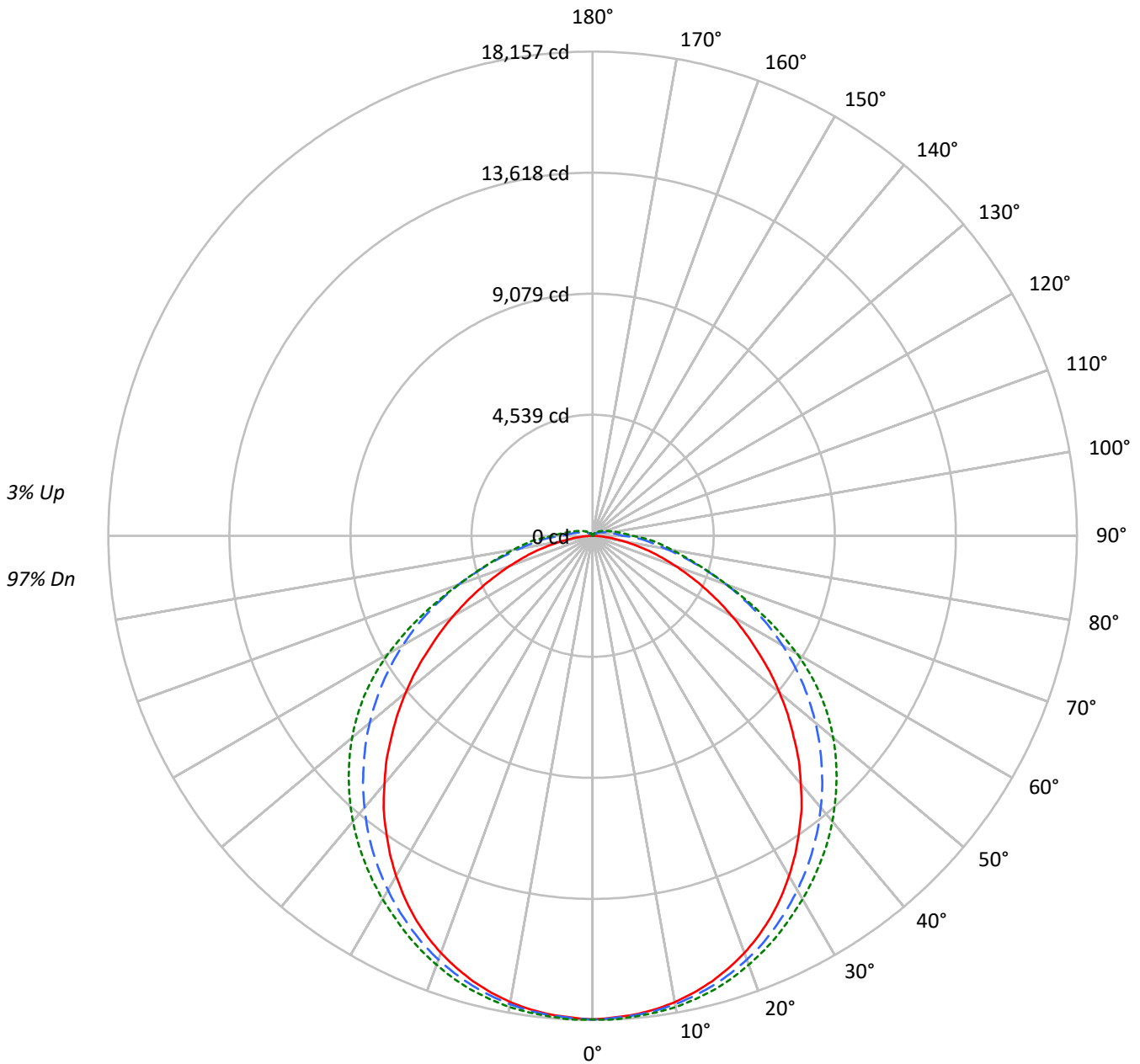
Lumens per Lamp: N/A
Luminaire Lumens: 54289.0 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 362
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	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	82	82	82	82	82	82	80		
2	98	89	82	76	95	87	80	75	83	77	73	79	74	71	75	72	68	68	68	68	68	68	68	66		
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	58	58	58	58	58	58	56		
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	50	50	50	50	50	50	47		
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	43	43	43	43	43	43	41		
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	38	38	38	38	38	38	36		
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	34	34	34	34	34	34	32		
8	60	46	37	31	58	45	37	31	43	36	31	42	35	31	41	35	30	30	30	30	30	30	30	28		
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	37	32	27	27	27	27	27	27	27	25		
10	52	39	31	26	51	38	31	26	37	30	25	36	29	25	35	29	25	25	25	25	25	25	25	23		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30982	30982	30982
5°	30784	30675	30763
10°	30568	30391	30582
15°	30227	30054	30351
20°	29774	29644	30022
25°	29168	29136	29688
30°	28330	28586	29352
35°	27315	28003	29058
40°	26097	27329	28766
45°	24660	26597	28397
50°	23088	25856	27952
55°	21155	24950	27218
60°	19175	23885	25787
65°	17015	22528	23460
70°	14673	20802	20939
75°	12302	18806	19200
80°	9327	17324	18918
85°	5900	17844	20865



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1718.8	3.2
10°-20°	4931.1	9.1
20°-30°	7457.4	13.7
30°-40°	8952.7	16.5
40°-50°	9246.7	17.0
50°-60°	8319.1	15.3
60°-70°	6266.6	11.5
70°-80°	3784.0	7.0
80°-90°	1850.7	3.4
90°-100°	779.0	1.4
100°-110°	444.7	0.8
110°-120°	261.0	0.5
120°-130°	147.6	0.3
130°-140°	77.7	0.1
140°-150°	37.8	0.1
150°-160°	14.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	14107.3	26.0
0°-40°	23060.0	42.5
0°-60°	40625.7	74.8
0°-90°	52527.1	96.8
90°-120°	1484.7	2.7
90°-150°	1747.9	3.2
90°-180°	1762.0	3.2
0°-180°	54289.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18140	18140	18140	18140	18140	
5°	18024	18073	18051	18122	18100	###
15°	17296	17380	17460	17607	17625	4876
25°	15796	15969	16195	16448	16488	7266
35°	13505	13820	14388	14823	14912	8443
45°	10659	11196	12133	12795	12932	8229
55°	7552	8333	9598	10322	10446	6771
65°	4608	5549	6792	7130	7050	4578
75°	2171	3116	3933	4036	3996	2316
85°	453	1194	1971	2242	2282	523
90°	0	466	1128	1421	1478	29
95°	22	315	844	1074	1114	19
105°	31	182	488	639	666	31
115°	36	102	302	404	422	36
125°	36	49	182	262	275	32
135°	31	40	93	160	178	24
145°	44	40	44	80	93	26
155°	44	49	44	40	44	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°	18139.7	18139.7	18139.7	18139.7	18139.7
2.5°	18086.4	18130.8	18104.2	18161.9	18157.4
5°	18024.3	18073.1	18050.9	18121.9	18099.7
7.5°	17917.7	17971.0	17966.5	18046.5	18037.6
10°	17762.3	17820.0	17837.8	17944.3	17944.3
12.5°	17549.2	17624.7	17669.1	17797.8	17802.3
15°	17296.2	17380.5	17460.4	17606.9	17624.7
17.5°	16989.9	17096.4	17207.4	17376.1	17398.3
20°	16643.6	16763.4	16914.4	17092.0	17118.6
22.5°	16244.0	16386.1	16581.4	16790.1	16821.2
25°	15795.6	15968.8	16195.2	16448.2	16488.2
27.5°	15285.1	15484.9	15791.2	16075.3	16110.8
30°	14730.2	14965.5	15347.3	15684.7	15742.4
32.5°	14144.2	14415.0	14885.5	15262.9	15342.8
35°	13504.9	13820.1	14388.3	14823.4	14912.2
37.5°	12874.5	13220.7	13864.5	14361.7	14468.2
40°	12137.5	12568.1	13305.1	13855.6	13984.3
42.5°	11445.0	11911.1	12745.7	13345.1	13469.4
45°	10659.2	11196.3	12133.1	12794.6	12932.2
47.5°	9922.2	10503.8	11542.6	12226.3	12368.4
50°	9145.3	9784.6	10912.2	11627.0	11773.5
52.5°	8368.4	9056.5	10259.6	11001.0	11138.6
55°	7551.5	8332.9	9598.1	10321.8	10446.1
57.5°	6792.4	7618.1	8918.9	9607.0	9682.5
60°	6042.1	6898.9	8226.3	8830.1	8856.7
62.5°	5309.6	6210.8	7516.0	7995.5	7960.0
65°	4608.2	5549.3	6792.4	7129.8	7049.9
67.5°	3933.4	4905.6	6051.0	6268.5	6162.0
70°	3294.1	4279.7	5331.8	5442.8	5345.1
72.5°	2730.3	3684.8	4603.7	4697.0	4625.9
75°	2170.9	3116.5	3933.4	4035.5	3995.5
77.5°	1647.0	2566.0	3316.3	3449.5	3458.3
80°	1185.3	2064.4	2779.1	2987.8	3014.4
82.5°	781.3	1602.6	2330.7	2597.1	2637.0
85°	452.8	1194.2	1971.1	2241.9	2281.9
87.5°	195.3	861.3	1584.9	1829.1	1877.9
90°	0.0	466.1	1127.6	1420.6	1478.3
92.5°	13.3	386.2	967.8	1234.2	1283.0
95°	22.2	315.2	843.5	1074.4	1114.3
97.5°	26.6	266.4	732.5	936.7	976.7
100°	26.6	230.9	634.8	821.3	856.8
102.5°	26.6	204.2	554.9	719.2	750.3
105°	31.1	182.0	488.3	639.3	665.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	35.5	119.9	337.4	452.8	470.6
115°	35.5	102.1	301.9	404.0	421.7
117.5°	40.0	88.8	266.4	364.0	377.4
120°	40.0	75.5	235.3	324.1	341.8
122.5°	40.0	62.2	208.7	293.0	306.3
125°	35.5	48.8	182.0	261.9	275.2
127.5°	31.1	40.0	155.4	235.3	248.6
130°	31.1	35.5	133.2	208.7	222.0
132.5°	31.1	40.0	111.0	182.0	199.8
135°	31.1	40.0	93.2	159.8	177.6
137.5°	31.1	40.0	75.5	137.6	155.4
140°	35.5	40.0	62.2	115.4	133.2
142.5°	40.0	40.0	48.8	97.7	111.0
145°	44.4	40.0	44.4	79.9	93.2
147.5°	44.4	44.4	44.4	62.2	75.5
150°	44.4	48.8	44.4	48.8	62.2
152.5°	44.4	48.8	44.4	40.0	48.8
155°	44.4	48.8	44.4	40.0	44.4
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°	31.1	159.8	430.6	568.3	590.4
110°	31.1	142.1	381.8	506.1	528.3



(END OF REPORT)