

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: P830708

Luminaire Tested: **OHBL-60SE-N-UNV-L835-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830708
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-60SE-N-UNV-L835-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

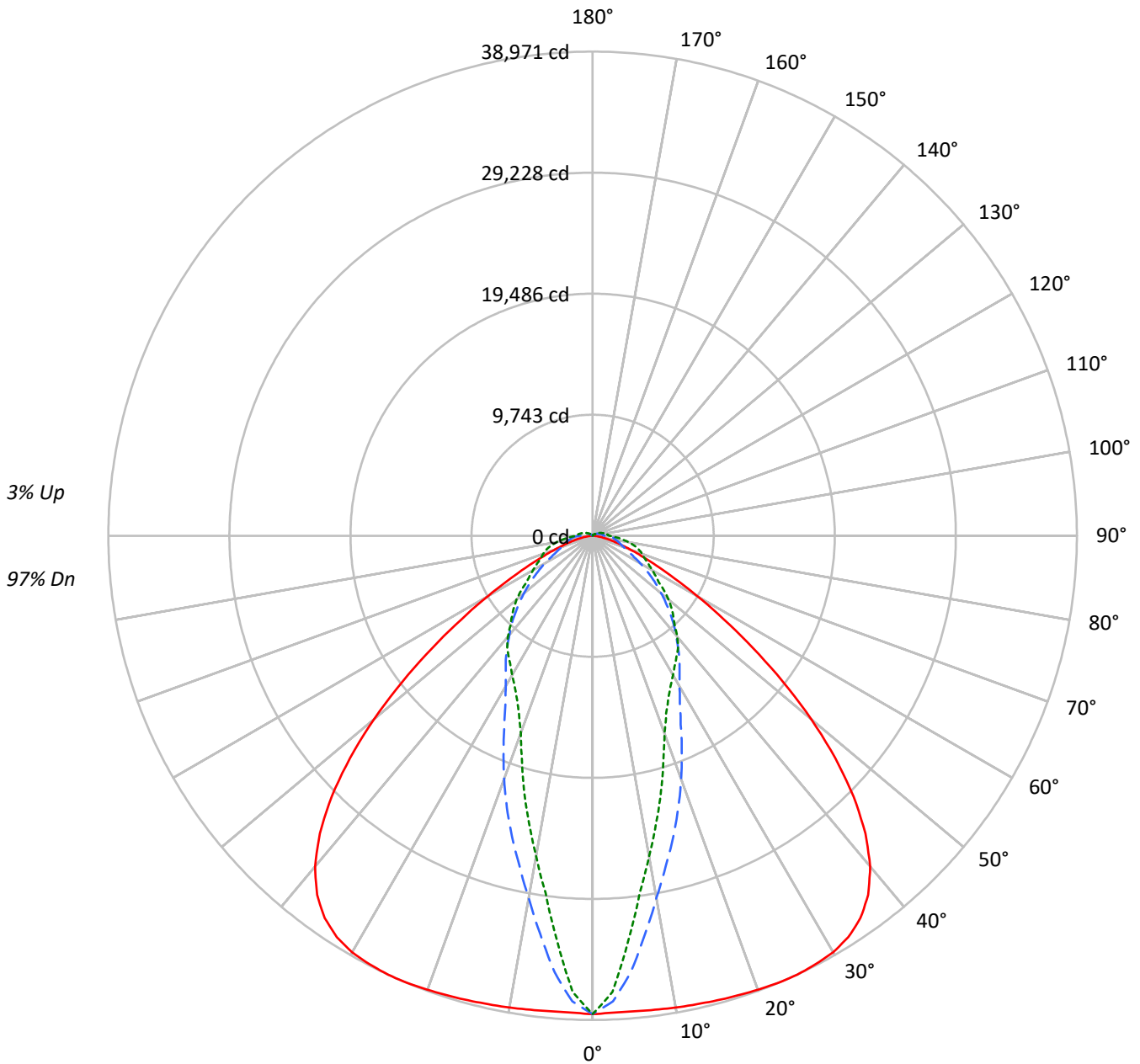
Lumens per Lamp: N/A
Luminaire Lumens: 56819.0 lumens
Efficiency: N/A
Efficacy: 157.0 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 362
Input Voltage (V): NR
Input Current (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

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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°	65754	65754	65754
5°	65620	59880	55674
10°	66361	50439	44642
15°	67657	43138	36641
20°	69557	36475	29636
25°	71963	30191	25967
30°	74450	26009	24123
35°	76000	23703	22983
40°	74699	21411	21804
45°	68720	19349	20186
50°	57978	17094	18946
55°	44055	14973	16860
60°	30873	12841	16141
65°	20767	11059	15802
70°	14182	10378	16578
75°	9842	10703	17713
80°	6775	11854	18235
85°	3963	14827	19130



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3240.7	5.7
10°-20°	7623.6	13.4
20°-30°	9556.1	16.8
30°-40°	10140.1	17.8
40°-50°	9168.2	16.1
50°-60°	6647.6	11.7
60°-70°	4171.7	7.3
70°-80°	2760.7	4.9
80°-90°	1590.4	2.8
90°-100°	770.5	1.4
100°-110°	531.8	0.9
110°-120°	328.2	0.6
120°-130°	158.9	0.3
130°-140°	73.1	0.1
140°-150°	39.9	0.1
150°-160°	17.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
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0°-30°	20420.4	35.9
0°-40°	30560.5	53.8
0°-60°	46376.3	81.6
0°-90°	54899.1	96.6
90°-120°	1630.5	2.9
90°-150°	1902.5	3.3
90°-180°	1920.0	3.4
0°-180°	56819.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	38498	38498	38498	38498	38498	
5°	38421	37435	35237	33603	32756	###
15°	38714	31555	25062	22288	21277	10979
25°	38971	24399	16781	14894	14422	18004
35°	37575	16221	12179	11798	11794	23358
45°	29704	10274	8827	9039	9193	22629
55°	15726	6368	5760	6247	6471	14209
65°	5624	3693	3334	4272	4749	5853
75°	1737	1990	2239	3477	3686	1936
85°	304	824	1638	2279	2092	365
90°	0	344	949	1337	1348	20
95°	15	242	835	1136	1187	13
105°	29	161	608	806	828	30
115°	40	114	410	513	524	39
125°	44	59	209	264	260	38
135°	37	44	92	143	143	29
145°	44	48	55	84	81	26
155°	44	55	59	62	55	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°	38497.9	38497.9	38497.9	38497.9	38497.9
2.5°	38417.3	38197.5	37512.3	37094.6	36742.8
5°	38421.0	37435.3	35236.9	33602.8	32756.4
7.5°	38475.9	36284.8	32324.0	29938.7	29008.1
10°	38560.2	34859.5	29605.3	27062.5	26194.1
12.5°	38622.5	33254.7	27212.7	24600.3	23647.6
15°	38714.1	31554.6	25061.9	22288.3	21277.0
17.5°	38798.4	29953.4	22936.8	20038.5	18913.7
20°	38882.6	28227.6	20811.7	17825.5	16898.5
22.5°	38963.2	26406.6	18737.8	16107.1	15473.2
25°	38970.6	24398.7	16781.2	14894.3	14421.6
27.5°	38875.3	22317.6	15194.7	13879.3	13586.2
30°	38710.4	20298.7	13963.6	13146.5	12937.7
32.5°	38300.0	18239.5	13011.0	12439.4	12318.4
35°	37574.6	16220.6	12179.2	11798.2	11794.5
37.5°	36431.4	14428.9	11277.9	11211.9	11292.5
40°	34742.3	12860.7	10424.1	10600.0	10600.0
42.5°	32488.9	11497.7	9651.0	9830.6	9782.9
45°	29704.2	10273.9	8826.6	9039.1	9193.0
47.5°	26476.2	9196.7	7983.9	8394.3	8606.8
50°	22966.1	8170.8	7214.5	7738.4	7980.2
52.5°	19287.4	7221.8	6463.3	7064.2	7258.4
55°	15726.0	6368.1	5759.8	6247.2	6470.7
57.5°	12501.7	5554.7	5071.0	5532.7	5994.3
60°	9728.0	4854.8	4422.5	5082.0	5543.7
62.5°	7430.6	4231.9	3814.2	4660.6	5122.3
65°	5624.3	3693.3	3334.3	4272.3	4748.6
67.5°	4239.3	3228.0	2960.5	3990.1	4455.5
70°	3184.0	2777.3	2660.1	3814.2	4231.9
72.5°	2352.3	2363.3	2421.9	3660.4	3979.1
75°	1736.7	1989.6	2238.7	3477.2	3686.0
77.5°	1242.1	1648.8	2073.8	3257.3	3330.6
80°	861.0	1344.7	1901.6	2967.9	2905.6
82.5°	538.6	1077.2	1747.7	2649.1	2476.9
85°	304.1	824.4	1637.8	2279.0	2092.2
87.5°	135.6	615.6	1432.6	1777.1	1659.8
90°	0.0	344.4	949.0	1337.4	1348.4
92.5°	7.3	285.8	875.7	1223.8	1260.4
95°	14.7	241.8	835.4	1135.8	1187.1
97.5°	18.3	212.5	784.1	1055.2	1099.2
100°	22.0	190.5	721.8	971.0	1007.6
102.5°	25.6	175.9	663.2	883.0	912.3
105°	29.3	161.2	608.2	806.1	828.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	36.6	124.6	458.0	578.9	597.2
115°	40.3	113.6	410.4	513.0	524.0
117.5°	44.0	98.9	359.1	450.7	454.3
120°	44.0	87.9	307.8	384.7	384.7
122.5°	44.0	73.3	256.5	318.8	315.1
125°	44.0	58.6	208.8	263.8	260.1
127.5°	40.3	47.6	168.5	219.8	216.2
130°	40.3	47.6	135.6	186.9	186.9
132.5°	36.6	44.0	109.9	161.2	161.2
135°	36.6	44.0	91.6	142.9	142.9
137.5°	36.6	47.6	76.9	124.6	124.6
140°	36.6	44.0	66.0	109.9	109.9
142.5°	40.3	44.0	58.6	95.3	95.3
145°	44.0	47.6	55.0	84.3	80.6
147.5°	44.0	51.3	55.0	73.3	69.6
150°	44.0	55.0	55.0	66.0	62.3
152.5°	44.0	55.0	55.0	62.3	58.6
155°	44.0	55.0	58.6	62.3	55.0
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°	29.3	150.2	556.9	721.8	747.5
110°	33.0	135.6	509.3	644.9	670.5



(END OF REPORT)