

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: P830720

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830720
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P472951)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-60SE-NL-UNV-L835-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 80CRI, 3500K LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

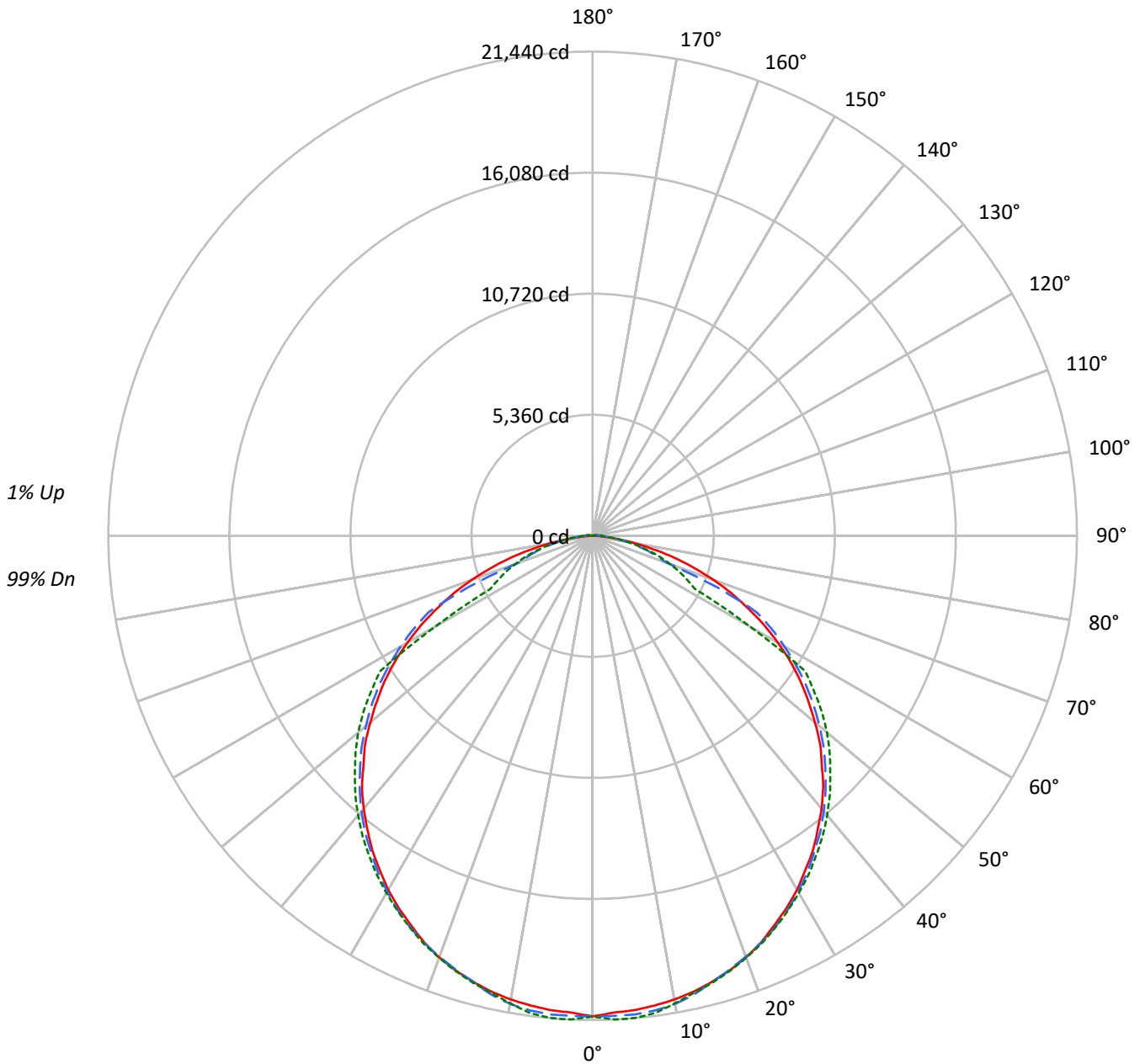
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59756.0 lumens
Efficiency: N/A
Efficacy: 165.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular (W 1.67' x L: 3.78' x H: 0')
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									
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102					99															
1	109	105	100	97	106	102	99	95	98	95	92	94	91	89	90	88	86					84															
2	99	92	85	79	97	90	84	78	86	81	76	83	78	75	80	76	73					71															
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62					60															
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53					51															
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46					44															
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41					39															
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36					34															
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32					30															
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29					27															
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26					25															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	36352	36352	36352
5°	36151	36478	36753
10°	36161	36505	36460
15°	36155	36149	36228
20°	36106	36051	36140
25°	35859	36042	36070
30°	35693	35877	36017
35°	35462	35656	35991
40°	35155	35489	36013
45°	34648	35172	35939
50°	34126	34822	35972
55°	33473	34341	35576
60°	32352	33500	27696
65°	30609	32389	18640
70°	28311	17194	18091
75°	24694	16339	17276
80°	18990	14988	15832
85°	9585	15148	15513



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2022.0	3.4
10°-20°	5789.6	9.7
20°-30°	8809.3	14.7
30°-40°	10710.9	17.9
40°-50°	11262.0	18.8
50°-60°	10283.6	17.2
60°-70°	6592.3	11.0
70°-80°	3114.1	5.2
80°-90°	863.5	1.4
90°-100°	228.7	0.4
100°-110°	62.6	0.1
110°-120°	17.3	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	16620.9	27.8
0°-40°	27331.9	45.7
0°-60°	48877.5	81.8
0°-90°	59447.4	99.5
90°-120°	308.7	0.5
90°-150°	308.7	0.5
90°-180°	309.0	0.5
0°-180°	59756.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21284	21284	21284	21284	21284	
5°	21086	21168	21276	21392	21437	###
15°	20447	20600	20443	20473	20488	5772
25°	19028	19058	19125	19155	19140	8780
35°	17007	16907	17101	17310	17261	10629
45°	14344	14318	14561	14905	14879	11087
55°	11241	11155	11532	11917	11947	10025
65°	7574	7574	8014	4597	4612	7509
75°	3742	3813	2476	2607	2618	3945
85°	489	620	773	837	792	723
90°	0	209	344	407	400	21
95°	11	108	247	332	332	6
105°	19	41	60	60	56	19
115°	19	26	37	26	4	13
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21283.5	21283.5	21283.5	21283.5	21283.5
2.5°	21134.1	21205.3	21283.5	21384.4	21440.1
5°	21085.5	21167.7	21276.0	21391.9	21436.6
7.5°	20981.1	21096.5	21201.3	21283.5	21309.6
10°	20850.2	20988.6	21048.3	21040.8	21022.2
12.5°	20674.6	20820.5	20802.0	20715.8	20730.8
15°	20446.9	20599.9	20443.3	20473.0	20488.0
17.5°	20178.0	20327.5	20144.4	20204.1	20208.1
20°	19864.5	19976.4	19834.4	19883.1	19883.1
22.5°	19487.3	19565.6	19505.9	19539.5	19547.0
25°	19027.8	19057.5	19124.7	19154.8	19139.7
27.5°	18587.4	18549.8	18680.7	18751.5	18713.9
30°	18097.9	18038.2	18191.2	18307.0	18262.4
32.5°	17537.6	17500.4	17676.0	17814.0	17787.9
35°	17007.4	16906.6	17100.7	17309.9	17261.2
37.5°	16379.9	16320.2	16540.4	16761.1	16735.0
40°	15767.4	15666.6	15916.9	16178.2	16152.2
42.5°	15110.3	14990.5	15263.3	15577.3	15547.2
45°	14344.4	14318.3	14561.1	14904.7	14878.6
47.5°	13665.1	13534.3	13873.9	14206.4	14236.5
50°	12843.1	12794.9	13104.9	13508.2	13537.8
52.5°	12040.5	12006.9	12331.5	12738.7	12790.9
55°	11241.0	11155.2	11532.4	11917.1	11947.2
57.5°	10386.2	10296.4	10681.1	11099.4	11162.7
60°	9470.8	9385.0	9806.9	10195.6	8107.9
62.5°	8555.9	8496.2	8937.0	6330.2	5101.7
65°	7573.7	7573.7	8014.2	4597.2	4612.2
67.5°	6655.2	6595.5	5975.6	4130.3	4130.3
70°	5669.1	5691.7	3443.1	3619.0	3622.6
72.5°	4679.5	4761.7	2973.0	3114.5	3122.0
75°	3742.0	3813.2	2475.9	2606.8	2617.9
77.5°	2748.8	2113.8	1990.4	2091.6	2095.2
80°	1930.7	1333.3	1523.8	1620.7	1609.6
82.5°	1127.7	933.5	1116.6	1187.8	1183.8
85°	489.1	620.0	773.0	836.6	791.6
87.5°	156.6	384.7	481.6	519.1	515.2
90°	0.0	209.2	343.6	406.9	399.7
92.5°	0.0	164.1	298.9	373.6	377.2
95°	11.1	108.3	246.7	332.5	332.5
97.5°	7.5	78.3	175.6	261.4	268.9
100°	7.5	63.3	115.8	186.6	190.6
102.5°	18.6	52.2	70.8	119.4	123.4
105°	18.6	41.1	59.7	59.7	56.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	22.5	30.0	41.1	30.0	3.6
115°	18.6	26.1	37.2	26.1	3.6
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
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°	18.6	37.2	52.2	33.6	11.1
110°	22.5	33.6	44.7	30.0	3.6



(END OF REPORT)