

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: P830727

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830727
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-60SE-W-UNV-L730-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

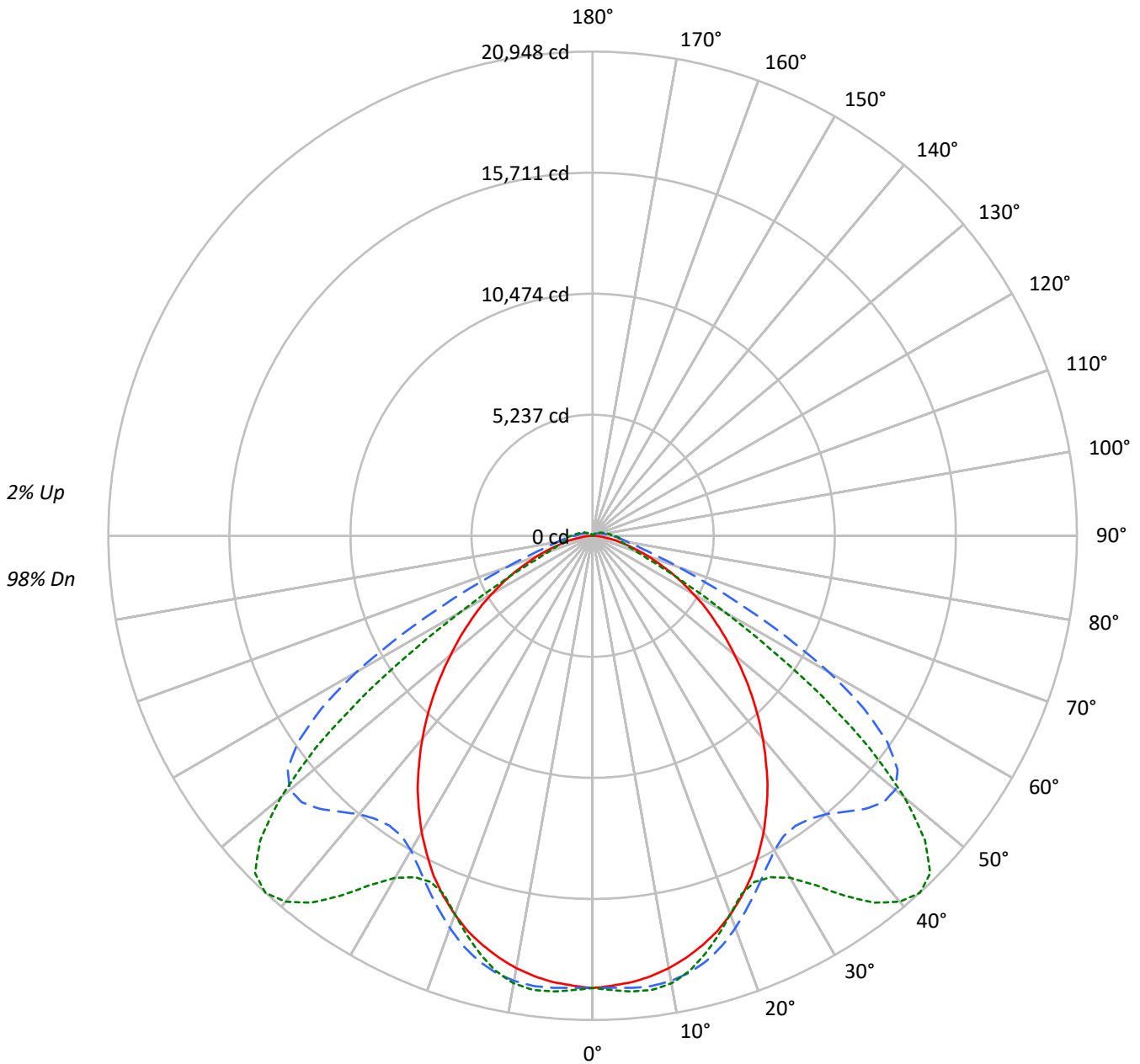
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58588.0 lumens
Efficiency: N/A
Efficacy: 161.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
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									
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	110	110	110	105	105	105	100	100	100	98																			
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	83																			
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	70																			
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59																			
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	50																			
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	43																			
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38																			
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35	33																			
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29																			
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33421	33421	33421
5°	33110	33374	33638
10°	32694	33323	33514
15°	32056	32772	32279
20°	31183	31645	30541
25°	30013	30281	29767
30°	28458	29268	31848
35°	26684	29808	37035
40°	24626	32283	42516
45°	22473	36619	45340
50°	20228	40492	41805
55°	18118	40440	31592
60°	15970	34211	19052
65°	13702	23621	11337
70°	11132	15269	7988
75°	8469	10939	7141
80°	6079	9605	7578
85°	4126	10549	10538



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1869.9	3.2
10°-20°	5294.9	9.0
20°-30°	7748.2	13.2
30°-40°	10062.7	17.2
40°-50°	12287.8	21.0
50°-60°	10821.3	18.5
60°-70°	5639.1	9.6
70°-80°	2418.2	4.1
80°-90°	1161.3	2.0
90°-100°	545.6	0.9
100°-110°	339.1	0.6
110°-120°	200.5	0.3
120°-130°	109.0	0.2
130°-140°	54.7	0.1
140°-150°	26.3	0.0
150°-160°	9.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	14913.1	25.5
0°-40°	24975.8	42.6
0°-60°	48084.9	82.1
0°-90°	57303.5	97.8
90°-120°	1085.3	1.9
90°-150°	1275.2	2.2
90°-180°	1284.0	2.2
0°-180°	58588.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19567	19567	19567	19567	19567	
5°	19386	19534	19639	19812	19791	###
15°	18343	18858	19040	18896	18744	5165
25°	16253	17123	16832	16515	16532	7459
35°	13193	14586	15316	17862	19006	8223
45°	9714	12222	16705	20226	20648	7490
55°	6468	10706	15557	13640	12125	5805
65°	3711	7417	7122	3960	3407	3671
75°	1494	3470	2288	1566	1486	1630
85°	317	1237	1165	1140	1152	353
90°	4	448	768	878	899	22
95°	8	262	612	718	739	6
105°	17	148	397	477	486	18
115°	25	84	245	300	308	26
125°	30	42	144	186	190	25
135°	25	25	68	114	118	20
145°	34	25	30	55	63	20
155°	34	34	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-60SE-W-UNV-L730-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19567.3	19567.3	19567.3	19567.3	19567.3
2.5°	19482.9	19567.3	19571.5	19689.7	19677.1
5°	19385.8	19533.5	19639.1	19812.2	19791.1
7.5°	19225.4	19457.6	19643.3	19833.3	19816.4
10°	18997.4	19314.0	19558.9	19715.1	19664.4
12.5°	18701.9	19119.8	19360.5	19394.2	19297.1
15°	18343.0	18858.1	19039.6	18896.1	18744.1
17.5°	17937.8	18541.5	18604.8	18292.4	18102.4
20°	17431.2	18119.3	18056.0	17625.4	17414.3
22.5°	16869.7	17654.9	17452.3	17000.6	16797.9
25°	16253.3	17123.0	16831.7	16515.1	16532.0
27.5°	15531.4	16519.3	16236.4	16380.0	16650.2
30°	14796.9	15886.0	15713.0	16548.8	17080.8
32.5°	13990.5	15235.9	15392.1	17042.8	17912.4
35°	13192.6	14585.8	15316.1	17861.8	19005.8
37.5°	12310.3	13927.2	15438.6	18807.4	20006.4
40°	11453.3	13285.5	15717.2	19656.0	20669.2
42.5°	10579.4	12711.4	16185.8	20158.4	20947.8
45°	9714.0	12221.7	16705.0	20225.9	20648.1
47.5°	8848.6	11807.9	17063.9	19689.7	19495.6
50°	8012.7	11440.7	17089.2	18402.1	17608.5
52.5°	7231.7	11102.9	16624.8	16350.4	15117.7
55°	6467.6	10706.1	15556.8	13640.1	12124.6
57.5°	5771.0	10157.3	13910.3	10727.2	9072.3
60°	5032.2	9414.3	11782.6	7848.0	6543.5
62.5°	4352.5	8489.7	9397.4	5462.8	4702.9
65°	3710.8	7417.4	7121.9	3959.9	3406.9
67.5°	3031.1	6307.1	5255.9	2887.6	2533.0
70°	2499.2	5277.1	3913.5	2245.9	2039.1
72.5°	1954.6	4297.6	2925.6	1823.8	1709.8
75°	1494.5	3470.2	2288.1	1566.2	1486.0
77.5°	1101.8	2744.1	1840.6	1384.7	1308.7
80°	772.6	2161.5	1540.9	1236.9	1207.4
82.5°	519.3	1671.8	1312.9	1177.8	1182.1
85°	316.6	1236.9	1165.2	1139.8	1152.5
87.5°	152.0	878.1	1000.5	1038.5	1051.2
90°	4.2	447.5	768.3	878.1	899.2
92.5°	0.0	342.0	675.5	785.2	806.3
95°	8.4	261.7	612.1	717.7	738.8
97.5°	8.4	215.3	548.8	658.6	671.2
100°	12.7	185.8	489.7	595.3	607.9
102.5°	12.7	164.6	439.1	531.9	540.4
105°	16.9	147.8	396.8	477.0	485.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	25.3	101.3	278.6	337.7	346.2
115°	25.3	84.4	244.9	299.7	308.2
117.5°	29.6	76.0	215.3	266.0	270.2
120°	29.6	63.3	185.8	236.4	240.6
122.5°	29.6	50.7	164.6	211.1	215.3
125°	29.6	42.2	143.5	185.8	190.0
127.5°	25.3	29.6	122.4	164.6	168.9
130°	25.3	25.3	101.3	143.5	152.0
132.5°	25.3	25.3	84.4	126.6	135.1
135°	25.3	25.3	67.5	114.0	118.2
137.5°	25.3	25.3	54.9	97.1	105.5
140°	25.3	25.3	42.2	84.4	88.7
142.5°	29.6	25.3	38.0	71.8	76.0
145°	33.8	25.3	29.6	54.9	63.3
147.5°	33.8	29.6	29.6	46.4	50.7
150°	33.8	33.8	25.3	33.8	42.2
152.5°	33.8	33.8	25.3	25.3	33.8
155°	33.8	33.8	25.3	25.3	25.3
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°	21.1	130.9	354.6	426.4	434.8
110°	21.1	114.0	312.4	379.9	388.4



(END OF REPORT)