

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: P830442

Luminaire Tested: **OHBL-36SE-W-UNV-L750-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830442
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-36SE-W-UNV-L750-CD
Description: 36000 LUMEN OHBL SE LED LUMINAIRE WITH 70CRI, 5000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

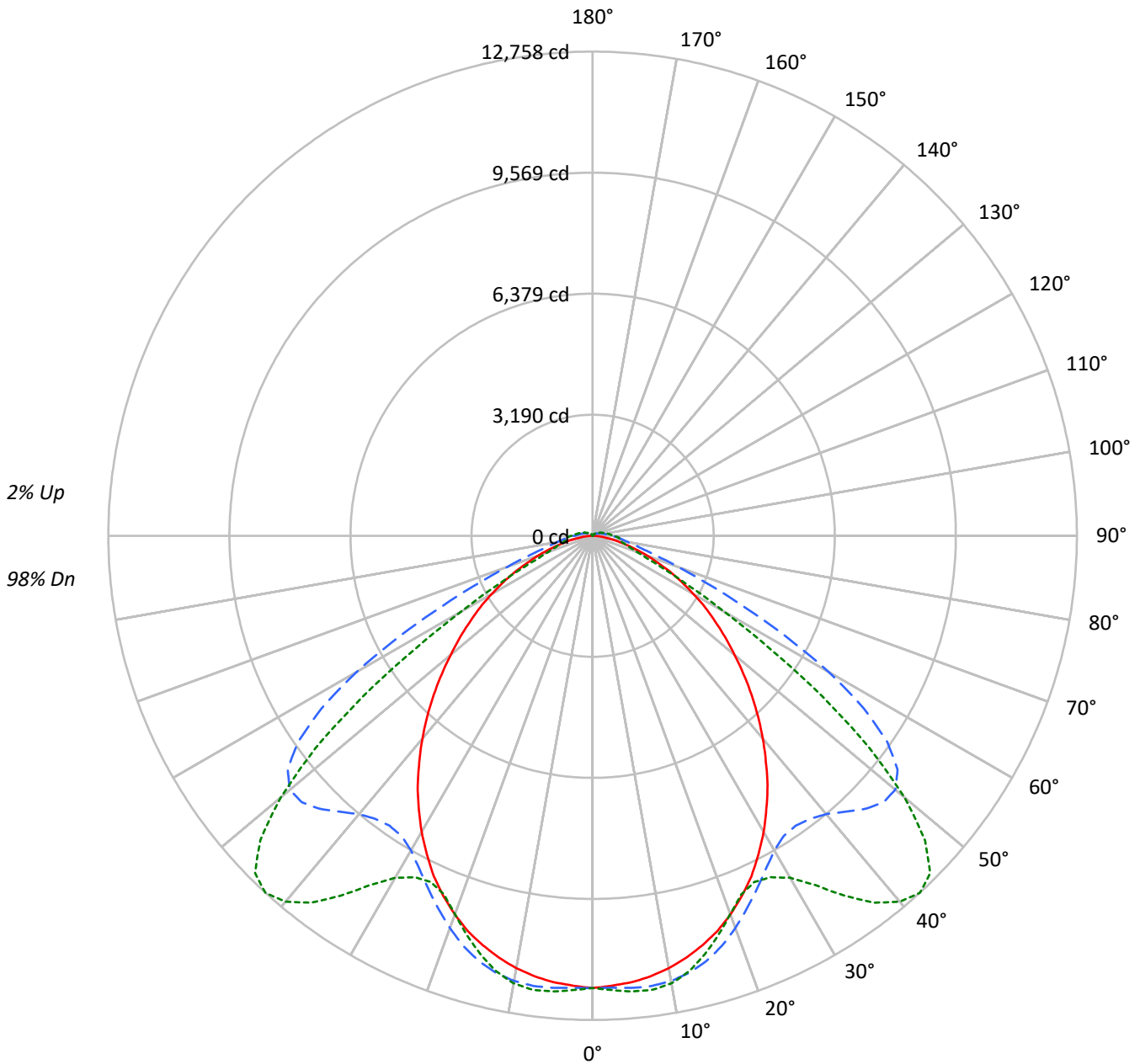
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35681.9 lumens
Efficiency: N/A
Efficacy: 169.1 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): 211
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

TEST NUMBER: P830442
CATALOG NUMBER: OHBL-36SE-W-UNV-L750-CD

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°	18847	18847	18847
5°	18671	18829	18981
10°	18437	18809	18923
15°	18077	18506	18238
20°	17585	17878	17267
25°	16925	17116	16842
30°	16048	16552	18033
35°	15047	16867	20986
40°	13887	18279	24114
45°	12673	20749	25741
50°	11407	22962	23762
55°	10217	22955	17982
60°	9006	19442	10863
65°	7727	13444	6478
70°	6278	8708	4578
75°	4776	6257	4110
80°	3428	5521	4391
85°	2326	6117	6187



TEST NUMBER: P830442

CATALOG NUMBER: OHBL-36SE-W-UNV-L750-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1138.8	3.2
10°-20°	3224.8	9.0
20°-30°	4718.9	13.2
30°-40°	6128.5	17.2
40°-50°	7483.7	21.0
50°-60°	6590.6	18.5
60°-70°	3434.4	9.6
70°-80°	1472.8	4.1
80°-90°	707.3	2.0
90°-100°	332.3	0.9
100°-110°	206.5	0.6
110°-120°	122.1	0.3
120°-130°	66.4	0.2
130°-140°	33.3	0.1
140°-150°	16.0	0.0
150°-160°	5.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	9082.5	25.5
0°-40°	15211.0	42.6
0°-60°	29285.3	82.1
0°-90°	34899.7	97.8
90°-120°	660.9	1.9
90°-150°	776.6	2.2
90°-180°	782.0	2.2
0°-180°	35681.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11917	11917	11917	11917	11917	
5°	11807	11897	11961	12066	12053	###
15°	11172	11485	11596	11508	11416	3146
25°	9899	10428	10251	10058	10068	4543
35°	8035	8883	9328	10878	11575	5008
45°	5916	7443	10174	12318	12575	4562
55°	3939	6520	9475	8307	7384	3535
65°	2260	4518	4338	2412	2075	2236
75°	910	2114	1394	954	905	992
85°	193	753	710	694	702	215
90°	3	272	468	535	548	13
95°	5	159	373	437	450	4
105°	10	90	242	290	296	11
115°	15	51	149	182	188	16
125°	18	26	87	113	116	15
135°	15	15	41	69	72	12
145°	21	15	18	33	39	12
155°	21	21	15	15	15	6
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830442

CATALOG NUMBER: OHBL-36SE-W-UNV-L750-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11917.1	11917.1	11917.1	11917.1	11917.1
2.5°	11865.7	11917.1	11919.7	11991.7	11984.0
5°	11806.6	11896.6	11960.8	12066.3	12053.4
7.5°	11708.9	11850.3	11963.4	12079.1	12068.8
10°	11570.0	11762.9	11912.0	12007.1	11976.3
12.5°	11390.1	11644.6	11791.2	11811.7	11752.6
15°	11171.5	11485.2	11595.7	11508.3	11415.8
17.5°	10924.7	11292.4	11330.9	11140.7	11025.0
20°	10616.2	11035.2	10996.7	10734.4	10605.9
22.5°	10274.2	10752.4	10629.0	10353.9	10230.5
25°	9898.8	10428.5	10251.1	10058.2	10068.5
27.5°	9459.1	10060.8	9888.5	9975.9	10140.5
30°	9011.8	9675.1	9569.7	10078.8	10402.7
32.5°	8520.7	9279.2	9374.3	10379.6	10909.3
35°	8034.7	8883.2	9328.0	10878.4	11575.2
37.5°	7497.4	8482.1	9402.6	11454.3	12184.5
40°	6975.4	8091.3	9572.3	11971.1	12588.2
42.5°	6443.2	7741.6	9857.7	12277.1	12757.9
45°	5916.1	7443.4	10173.9	12318.2	12575.3
47.5°	5389.1	7191.4	10392.5	11991.7	11873.4
50°	4880.0	6967.7	10407.9	11207.5	10724.1
52.5°	4404.3	6762.0	10125.1	9957.9	9207.2
55°	3939.0	6520.4	9474.6	8307.3	7384.3
57.5°	3514.7	6186.1	8471.8	6533.2	5525.3
60°	3064.8	5733.6	7176.0	4779.7	3985.2
62.5°	2650.8	5170.5	5723.3	3327.0	2864.2
65°	2260.0	4517.5	4337.5	2411.7	2074.9
67.5°	1846.1	3841.3	3201.0	1758.6	1542.7
70°	1522.1	3213.9	2383.4	1367.8	1241.9
72.5°	1190.4	2617.4	1781.8	1110.7	1041.3
75°	910.2	2113.5	1393.5	953.9	905.0
77.5°	671.1	1671.2	1121.0	843.3	797.0
80°	470.5	1316.4	938.5	753.3	735.3
82.5°	316.2	1018.2	799.6	717.3	719.9
85°	192.8	753.3	709.6	694.2	701.9
87.5°	92.6	534.8	609.4	632.5	640.2
90°	2.6	272.5	467.9	534.8	547.6
92.5°	0.0	208.3	411.4	478.2	491.1
95°	5.1	159.4	372.8	437.1	449.9
97.5°	5.1	131.1	334.2	401.1	408.8
100°	7.7	113.1	298.2	362.5	370.2
102.5°	7.7	100.3	267.4	324.0	329.1
105°	10.3	90.0	241.7	290.5	295.7



TEST NUMBER: P830442

CATALOG NUMBER: OHBL-36SE-W-UNV-L750-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	15.4	61.7	169.7	205.7	210.8
115°	15.4	51.4	149.1	182.5	187.7
117.5°	18.0	46.3	131.1	162.0	164.6
120°	18.0	38.6	113.1	144.0	146.6
122.5°	18.0	30.9	100.3	128.6	131.1
125°	18.0	25.7	87.4	113.1	115.7
127.5°	15.4	18.0	74.6	100.3	102.8
130°	15.4	15.4	61.7	87.4	92.6
132.5°	15.4	15.4	51.4	77.1	82.3
135°	15.4	15.4	41.1	69.4	72.0
137.5°	15.4	15.4	33.4	59.1	64.3
140°	15.4	15.4	25.7	51.4	54.0
142.5°	18.0	15.4	23.1	43.7	46.3
145°	20.6	15.4	18.0	33.4	38.6
147.5°	20.6	18.0	18.0	28.3	30.9
150°	20.6	20.6	15.4	20.6	25.7
152.5°	20.6	20.6	15.4	15.4	20.6
155°	20.6	20.6	15.4	15.4	15.4
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°	12.9	79.7	216.0	259.7	264.8
110°	12.9	69.4	190.3	231.4	236.5



(END OF REPORT)