

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: P830377

Luminaire Tested: **OHBL-36HE-W-UNV-L940-CD**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P830377
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-36HE-W-UNV-L940-CD
Description: 36000 LUMEN OHBL HE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

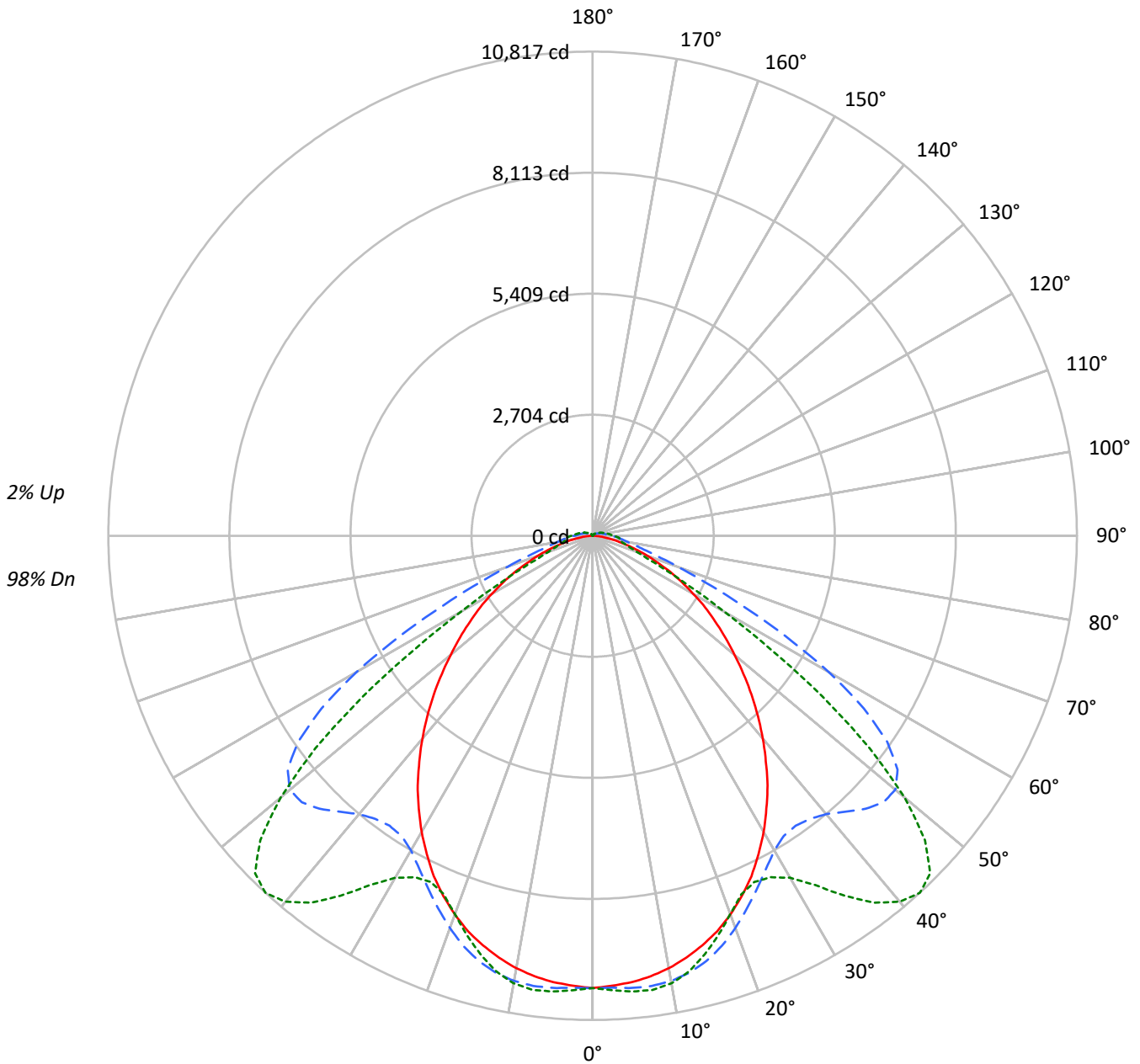
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30254.0 lumens
Efficiency: N/A
Efficacy: 142.7 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): 212
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: P830377
CATALOG NUMBER: OHBL-36HE-W-UNV-L940-CD

Luminous Intensity Polar Plot





TEST NUMBER: P830377

CATALOG NUMBER: OHBL-36HE-W-UNV-L940-CD

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°	15980	15980	15980
5°	15831	15964	16094
10°	15632	15947	16045
15°	15327	15691	15464
20°	14910	15158	14641
25°	14350	14512	14280
30°	13607	14034	15290
35°	12759	14301	17794
40°	11774	15498	20446
45°	10745	17592	21826
50°	9672	19469	20148
55°	8663	19463	15246
60°	7636	16485	9210
65°	6551	11399	5493
70°	5323	7384	3881
75°	4049	5306	3485
80°	2906	4681	3723
85°	1973	5187	5246



TEST NUMBER: P830377

CATALOG NUMBER: OHBL-36HE-W-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	965.6	3.2
10°-20°	2734.2	9.0
20°-30°	4001.1	13.2
30°-40°	5196.2	17.2
40°-50°	6345.3	21.0
50°-60°	5588.0	18.5
60°-70°	2911.9	9.6
70°-80°	1248.7	4.1
80°-90°	599.7	2.0
90°-100°	281.8	0.9
100°-110°	175.1	0.6
110°-120°	103.5	0.3
120°-130°	56.3	0.2
130°-140°	28.2	0.1
140°-150°	13.6	0.0
150°-160°	4.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7700.9	25.5
0°-40°	12897.1	42.6
0°-60°	24830.4	82.1
0°-90°	29590.7	97.8
90°-120°	560.4	1.9
90°-150°	658.5	2.2
90°-180°	663.0	2.2
0°-180°	30254.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10104	10104	10104	10104	10104	
5°	10010	10087	10141	10231	10220	949
15°	9472	9738	9832	9758	9679	2667
25°	8393	8842	8692	8528	8537	3852
35°	6812	7532	7909	9224	9814	4246
45°	5016	6311	8626	10444	10662	3868
55°	3340	5528	8033	7044	6261	2997
65°	1916	3830	3678	2045	1759	1896
75°	772	1792	1182	809	767	841
85°	164	639	602	589	595	182
90°	2	231	397	453	464	11
95°	4	135	316	371	382	3
105°	9	76	205	246	251	9
115°	13	44	126	155	159	14
125°	15	22	74	96	98	13
135°	13	13	35	59	61	10
145°	17	13	15	28	33	10
155°	17	17	13	13	13	5
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830377

CATALOG NUMBER: OHBL-36HE-W-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10104.3	10104.3	10104.3	10104.3	10104.3
2.5°	10060.7	10104.3	10106.5	10167.5	10161.0
5°	10010.5	10086.8	10141.3	10230.7	10219.8
7.5°	9927.7	10047.6	10143.5	10241.6	10232.9
10°	9810.0	9973.5	10099.9	10180.6	10154.4
12.5°	9657.4	9873.2	9997.5	10014.9	9964.8
15°	9472.1	9738.0	9831.8	9757.7	9679.2
17.5°	9262.8	9574.5	9607.2	9445.9	9347.8
20°	9001.2	9356.5	9323.8	9101.5	8992.5
22.5°	8711.3	9116.7	9012.1	8778.8	8674.2
25°	8393.0	8842.1	8691.6	8528.1	8536.9
27.5°	8020.2	8530.3	8384.3	8458.4	8597.9
30°	7640.9	8203.3	8113.9	8545.6	8820.3
32.5°	7224.5	7867.6	7948.3	8800.6	9249.7
35°	6812.5	7531.9	7909.0	9223.6	9814.3
37.5°	6356.9	7191.8	7972.2	9711.9	10331.0
40°	5914.3	6860.4	8116.1	10150.1	10673.3
42.5°	5463.1	6564.0	8358.1	10409.5	10817.1
45°	5016.2	6311.1	8626.2	10444.4	10662.4
47.5°	4569.3	6097.5	8811.5	10167.5	10067.2
50°	4137.6	5907.8	8824.6	9502.6	9092.8
52.5°	3734.3	5733.4	8584.8	8443.1	7806.6
55°	3339.8	5528.5	8033.3	7043.6	6260.9
57.5°	2980.1	5245.1	7183.1	5539.4	4684.8
60°	2598.6	4861.4	6084.4	4052.6	3379.0
62.5°	2247.6	4384.0	4852.7	2820.9	2428.5
65°	1916.2	3830.3	3677.7	2044.8	1759.3
67.5°	1565.2	3256.9	2714.1	1491.1	1308.0
70°	1290.6	2725.0	2020.9	1159.8	1052.9
72.5°	1009.3	2219.2	1510.7	941.8	882.9
75°	771.7	1792.0	1181.6	808.8	767.4
77.5°	569.0	1417.0	950.5	715.0	675.8
80°	398.9	1116.2	795.7	638.7	623.5
82.5°	268.1	863.3	678.0	608.2	610.4
85°	163.5	638.7	601.7	588.6	595.1
87.5°	78.5	453.4	516.7	536.3	542.8
90°	2.2	231.1	396.8	453.4	464.3
92.5°	0.0	176.6	348.8	405.5	416.4
95°	4.4	135.2	316.1	370.6	381.5
97.5°	4.4	111.2	283.4	340.1	346.6
100°	6.5	95.9	252.9	307.4	313.9
102.5°	6.5	85.0	226.7	274.7	279.0
105°	8.7	76.3	204.9	246.3	250.7



TEST NUMBER: P830377

CATALOG NUMBER: OHBL-36HE-W-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	13.1	52.3	143.9	174.4	178.8
115°	13.1	43.6	126.4	154.8	159.1
117.5°	15.3	39.2	111.2	137.3	139.5
120°	15.3	32.7	95.9	122.1	124.3
122.5°	15.3	26.2	85.0	109.0	111.2
125°	15.3	21.8	74.1	95.9	98.1
127.5°	13.1	15.3	63.2	85.0	87.2
130°	13.1	13.1	52.3	74.1	78.5
132.5°	13.1	13.1	43.6	65.4	69.8
135°	13.1	13.1	34.9	58.9	61.0
137.5°	13.1	13.1	28.3	50.1	54.5
140°	13.1	13.1	21.8	43.6	45.8
142.5°	15.3	13.1	19.6	37.1	39.2
145°	17.4	13.1	15.3	28.3	32.7
147.5°	17.4	15.3	15.3	24.0	26.2
150°	17.4	17.4	13.1	17.4	21.8
152.5°	17.4	17.4	13.1	13.1	17.4
155°	17.4	17.4	13.1	13.1	13.1
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°	10.9	67.6	183.1	220.2	224.5
110°	10.9	58.9	161.3	196.2	200.6



(END OF REPORT)