

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: P827743

Luminaire Tested: **OHBL-24HE-W-UNV-L930-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827743
REPORT IS A COMBINATION OF REPORTS P826244 AND G3-2310-221-6
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-24HE-W-UNV-L930-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

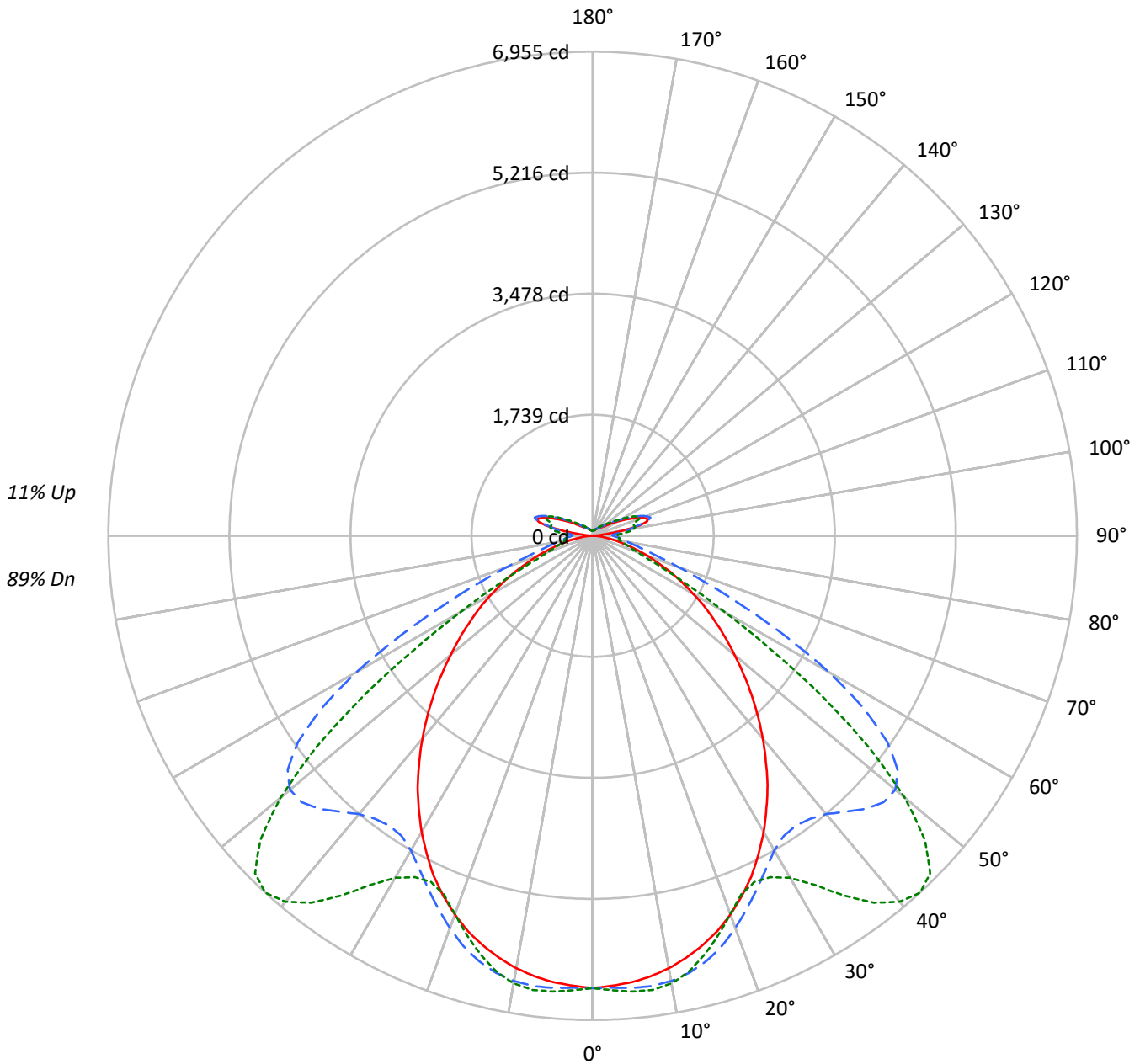
Lumens per Lamp: N/A
Luminaire Lumens: 21408.9 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 150.4
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

TEST NUMBER: P827743

CATALOG NUMBER: OHBL-24HE-W-UNV-L930-CD-UPL24

Luminous Intensity Polar Plot





TEST NUMBER: P827743

CATALOG NUMBER: OHBL-24HE-W-UNV-L930-CD-UPL24

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89																			
1	107	102	98	94	103	99	95	92	93	90	87	87	84	82	82	80	78	75																			
2	97	89	83	77	94	87	81	76	81	76	72	76	72	69	72	69	66	63																			
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	64	59	56	53																			
4	81	70	61	55	78	67	60	54	64	57	52	60	54	50	57	52	48	46																			
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	42	39																			
6	69	56	47	41	66	54	46	40	51	44	39	48	42	38	46	41	36	34																			
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30																			
8	59	46	37	31	57	44	37	31	42	35	30	40	34	29	38	33	29	27																			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24																			
10	51	38	31	25	50	37	30	25	36	29	24	34	28	24	32	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10275	10275	10275
5°	10136	10265	10392
10°	9966	10254	10404
15°	9730	10089	10070
20°	9423	9747	9577
25°	9027	9331	9385
30°	8516	9024	10099
35°	7942	9195	11818
40°	7284	9965	13662
45°	6602	11312	14685
50°	5895	12518	13666
55°	5229	12514	10442
60°	4554	10599	6384
65°	3847	7329	3867
70°	3059	4748	2792
75°	2253	3411	2589
80°	1532	3010	2921
85°	927	3335	4617



TEST NUMBER: P827743

CATALOG NUMBER: OHBL-24HE-W-UNV-L930-CD-UPL24

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	620.8	2.9
10°-20°	1758.0	8.2
20°-30°	2572.6	12.0
30°-40°	3341.0	15.6
40°-50°	4079.8	19.1
50°-60°	3592.9	16.8
60°-70°	1872.3	8.7
70°-80°	802.9	3.8
80°-90°	390.6	1.8
90°-100°	368.6	1.7
100°-110°	763.2	3.6
110°-120°	624.7	2.9
120°-130°	303.9	1.4
130°-140°	152.1	0.7
140°-150°	86.4	0.4
150°-160°	48.3	0.2
160°-170°	23.5	0.1
170°-180°	7.1	0.0
0°-30°	4951.5	23.1
0°-40°	8292.5	38.7
0°-60°	15965.3	74.6
0°-90°	19031.1	88.9
90°-120°	1756.5	8.2
90°-150°	2298.9	10.7
90°-180°	2378.0	11.1
0°-180°	21408.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6497	6497	6497	6497	6497	
5°	6436	6486	6521	6578	6571	610
15°	6090	6261	6322	6274	6223	1715
25°	5396	5685	5588	5483	5489	2477
35°	4380	4843	5085	5930	6310	2730
45°	3225	4058	5546	6716	6856	2487
55°	2147	3555	5165	4529	4026	1927
65°	1232	2463	2365	1315	1131	1219
75°	496	1152	760	520	493	541
85°	105	411	387	378	383	117
90°	5	176	293	342	354	10
95°	46	177	342	423	454	135
105°	816	851	814	644	607	775
115°	568	593	646	663	661	573
125°	283	302	341	354	353	265
135°	170	173	193	210	213	134
145°	128	129	133	142	146	81
155°	105	107	105	106	106	47
165°	81	82	82	82	82	23
175°	73	74	74	74	74	7
180°	73	73	73	73	73	



TEST NUMBER: P827743

CATALOG NUMBER: OHBL-24HE-W-UNV-L930-CD-UPL24

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6496.8	6496.8	6496.8	6496.8	6496.8
2.5°	6468.8	6496.8	6498.2	6537.5	6533.3
5°	6436.5	6485.6	6520.6	6578.1	6571.1
7.5°	6383.2	6460.4	6522.0	6585.1	6579.5
10°	6307.6	6412.7	6494.0	6545.9	6529.1
12.5°	6209.5	6348.2	6428.1	6439.3	6407.1
15°	6090.3	6261.4	6321.6	6274.0	6223.4
17.5°	5955.7	6156.2	6177.2	6073.5	6010.4
20°	5787.5	6016.0	5995.0	5852.0	5781.9
22.5°	5601.1	5861.9	5794.5	5644.6	5577.3
25°	5396.5	5685.3	5588.5	5483.4	5489.0
27.5°	5156.8	5484.8	5390.9	5438.5	5528.2
30°	4912.9	5274.5	5217.1	5494.6	5671.2
32.5°	4645.2	5058.6	5110.5	5658.6	5947.3
35°	4380.3	4842.8	5085.3	5930.5	6310.3
37.5°	4087.3	4624.2	5126.0	6244.5	6642.6
40°	3802.7	4411.1	5218.4	6526.2	6862.7
42.5°	3512.6	4220.5	5374.0	6693.0	6955.1
45°	3225.2	4057.8	5546.5	6715.5	6855.6
47.5°	2937.9	3920.5	5665.6	6537.5	6473.0
50°	2660.4	3798.5	5674.0	6109.9	5846.4
52.5°	2401.1	3686.4	5519.8	5428.7	5019.4
55°	2147.3	3554.6	5165.2	4528.8	4025.7
57.5°	1916.1	3372.4	4618.6	3561.7	3012.2
60°	1670.8	3125.7	3912.1	2605.7	2172.6
62.5°	1445.1	2818.8	3120.2	1813.7	1561.5
65°	1232.1	2462.7	2364.6	1314.8	1131.2
67.5°	1006.4	2094.1	1745.1	958.8	841.0
70°	829.8	1752.1	1299.4	745.7	677.0
72.5°	649.0	1427.0	971.4	605.5	567.7
75°	496.2	1152.2	759.7	520.0	493.4
77.5°	365.9	911.1	611.1	459.8	434.6
80°	256.5	717.6	511.6	410.7	400.9
82.5°	172.4	555.1	435.9	391.1	392.4
85°	105.2	410.7	386.9	378.5	382.7
87.5°	50.4	291.6	332.2	344.8	349.0
90°	5.4	176.1	293.1	341.7	354.4
92.5°	13.7	149.9	282.4	343.1	360.7
95°	45.7	176.6	342.2	422.6	453.9
97.5°	220.3	306.7	435.2	525.0	555.9
100°	450.4	535.4	544.9	601.8	613.3
102.5°	693.7	740.1	645.3	624.4	620.8
105°	816.3	850.9	814.0	644.2	607.4



TEST NUMBER: P827743

CATALOG NUMBER: OHBL-24HE-W-UNV-L930-CD-UPL24

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	661.5	696.5	742.4	743.4	720.4
115°	567.8	593.1	646.3	662.9	660.9
117.5°	488.3	504.6	554.0	570.0	572.3
120°	405.9	426.0	473.9	486.7	483.2
122.5°	342.0	358.7	401.4	415.2	411.8
125°	283.0	301.8	341.1	354.3	353.2
127.5°	239.6	251.5	290.4	305.2	305.9
130°	209.7	216.1	249.5	264.3	267.9
132.5°	187.0	192.7	218.0	235.2	237.2
135°	170.1	173.3	192.9	210.0	213.1
137.5°	156.3	158.8	173.4	189.9	192.7
140°	144.2	147.4	157.1	172.7	174.9
142.5°	135.1	136.9	144.4	157.2	158.6
145°	128.4	128.8	132.6	141.9	145.5
147.5°	121.2	122.9	124.6	131.8	133.2
150°	115.5	117.1	116.7	120.4	123.9
152.5°	109.9	111.5	111.1	111.9	114.7
155°	105.0	106.6	105.4	106.2	106.2
157.5°	89.7	91.3	93.0	93.8	93.8
160°	86.5	87.3	88.9	89.7	89.7
162.5°	83.3	84.1	84.9	85.7	85.7
165°	80.8	81.6	82.4	82.4	82.4
167.5°	78.4	78.4	79.2	80.0	80.0
170°	76.0	76.8	76.8	77.6	77.6
172.5°	74.4	75.2	75.2	75.2	76.0
175°	72.8	73.6	73.6	74.4	74.4
177.5°	72.8	72.8	72.8	72.8	72.8
180°	72.8	72.8	72.8	72.8	72.8



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	821.0	860.7	871.9	730.8	635.0
110°	758.0	796.0	825.6	785.8	709.3



(END OF REPORT)