

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: P827744

Luminaire Tested: **OHBL-24HE-W-UNV-L930-CD-UPL36**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P827744
REPORT IS A COMBINATION OF REPORTS P826304 AND G3-2310-221-2
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-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

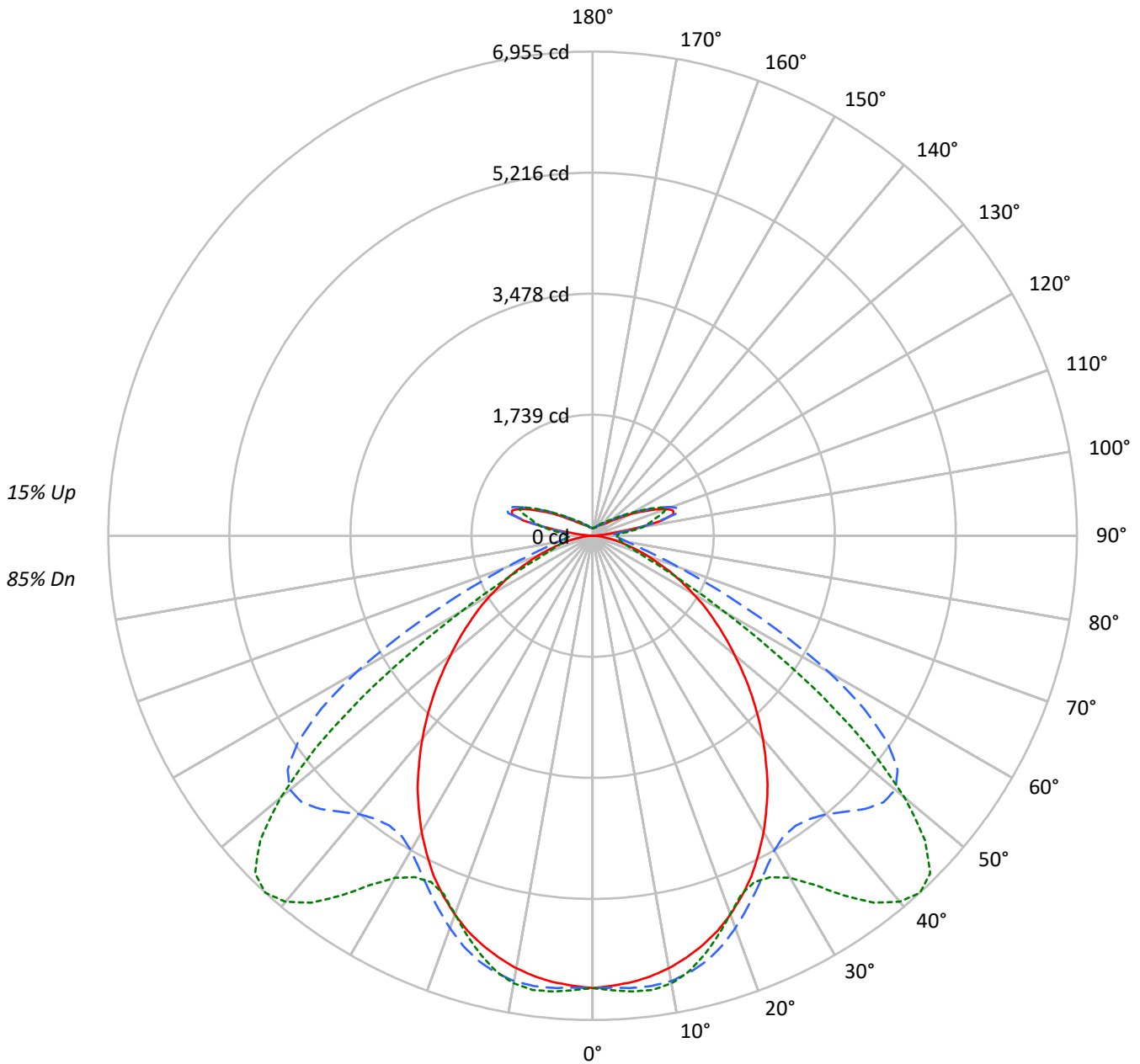
Lumens per Lamp: N/A
Luminaire Lumens: 22348.0 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 161.8
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: P827744

CATALOG NUMBER: OHBL-24HE-W-UNV-L930-CD-UPL36

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	116	116	116	116	111	111	111	111	103	103	103	95	95	95	88	88	88	85																			
1	106	101	97	94	102	98	94	91	91	88	85	84	82	80	78	77	75	72																			
2	96	89	82	77	93	86	80	75	80	75	71	74	70	67	69	66	63	61																			
3	88	78	70	64	84	75	68	62	70	64	59	66	61	57	61	57	54	51																			
4	80	69	61	54	77	67	59	53	62	56	51	58	53	48	55	50	46	44																			
5	74	61	53	46	71	59	51	45	56	49	44	52	46	42	49	44	40	38																			
6	68	55	46	40	65	53	45	39	50	43	38	47	41	36	44	39	35	33																			
7	63	50	41	35	60	48	40	35	45	38	33	43	37	32	40	35	31	29																			
8	58	45	37	31	56	44	36	31	41	34	30	39	33	29	37	31	27	25																			
9	54	41	33	28	52	40	33	27	38	31	26	36	30	26	34	29	25	23																			
10	51	38	30	25	49	37	30	25	35	28	24	33	27	23	31	26	22	20																			

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: P827744

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	620.8	2.8
10°-20°	1758.0	7.9
20°-30°	2572.6	11.5
30°-40°	3341.0	15.0
40°-50°	4079.8	18.3
50°-60°	3592.9	16.1
60°-70°	1872.3	8.4
70°-80°	802.9	3.6
80°-90°	391.8	1.8
90°-100°	403.5	1.8
100°-110°	1119.8	5.0
110°-120°	900.2	4.0
120°-130°	430.7	1.9
130°-140°	217.9	1.0
140°-150°	125.5	0.6
150°-160°	71.5	0.3
160°-170°	35.6	0.2
170°-180°	10.9	0.0
0°-30°	4951.5	22.2
0°-40°	8292.5	37.1
0°-60°	15965.3	71.4
0°-90°	19032.3	85.2
90°-120°	2423.6	10.8
90°-150°	3197.7	14.3
90°-180°	3316.0	14.8
0°-180°	22348.0	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°	8	188	306	350	358	12
95°	53	187	337	408	428	189
105°	1200	1240	1252	992	914	1141
115°	841	849	909	933	928	850
125°	420	438	482	488	482	394
135°	251	257	277	295	297	198
145°	188	189	194	205	209	119
155°	154	156	156	157	157	70
165°	122	124	124	125	126	35
175°	112	112	112	112	113	11
180°	110	110	110	110	110	



TEST NUMBER: P827744

CATALOG NUMBER: OHBL-24HE-W-UNV-L930-CD-UPL36

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°	7.8	188.2	306.0	349.8	357.6
92.5°	20.2	162.1	286.5	338.3	350.2
95°	52.9	187.1	336.6	408.0	428.0
97.5°	305.1	396.4	464.3	555.7	579.3
100°	653.3	727.7	679.1	718.2	738.6
102.5°	1021.1	1085.3	960.5	850.8	829.4
105°	1199.5	1240.5	1252.1	991.7	913.7



TEST NUMBER: P827744

CATALOG NUMBER: OHBL-24HE-W-UNV-L930-CD-UPL36

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	986.5	1014.1	1064.1	1080.5	1057.5
115°	841.0	849.3	909.1	932.9	927.6
117.5°	721.9	729.3	782.0	795.6	788.1
120°	608.8	620.0	668.7	674.2	669.1
122.5°	506.1	524.4	567.9	575.3	566.2
125°	419.6	438.4	481.8	488.5	481.8
127.5°	360.0	366.3	408.5	418.4	419.8
130°	310.7	317.2	351.3	367.0	368.1
132.5°	276.8	283.2	311.0	327.4	332.6
135°	250.9	256.6	277.0	294.9	297.1
137.5°	229.9	234.7	249.4	267.5	271.1
140°	212.1	217.0	227.4	244.7	246.1
142.5°	198.9	202.4	210.7	224.3	225.7
145°	187.5	188.7	194.1	204.9	208.6
147.5°	177.8	179.5	183.6	190.0	192.2
150°	168.9	171.3	171.7	176.1	179.7
152.5°	160.8	163.2	163.6	164.4	168.1
155°	153.5	155.9	155.5	157.1	157.1
157.5°	135.8	138.2	140.6	141.5	141.5
160°	131.0	132.6	135.0	135.0	135.8
162.5°	126.1	127.7	129.3	130.1	131.0
165°	122.1	123.7	124.5	125.3	126.1
167.5°	118.8	119.6	120.4	121.2	121.2
170°	115.6	116.4	117.2	117.2	118.0
172.5°	113.2	114.0	114.8	114.8	114.8
175°	111.6	111.6	112.4	112.4	113.2
177.5°	109.9	110.7	110.7	110.7	111.6
180°	109.9	109.9	109.9	109.9	109.9



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1212.3	1251.1	1296.3	1179.4	1041.6
110°	1119.3	1160.6	1207.9	1184.3	1123.2



(END OF REPORT)