

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: P827736

Luminaire Tested: **OHBL-24HE-N-UNV-L930-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827736
REPORT IS A COMBINATION OF REPORTS P826074 AND G3-2310-221-12
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-24HE-N-UNV-L930-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

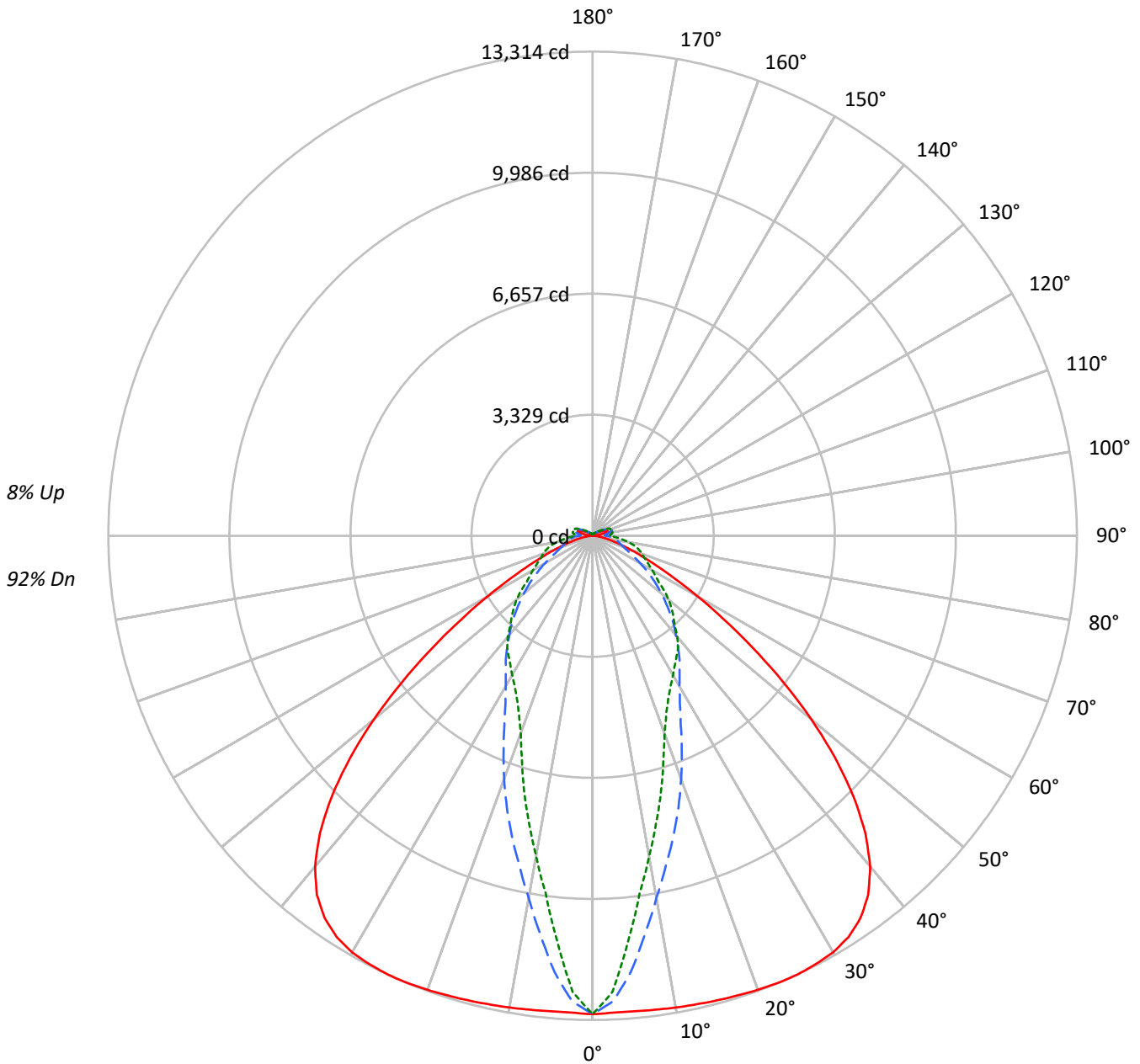
Lumens per Lamp: N/A
Luminaire Lumens: 20418.7 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 141.4
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	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92																			
1	108	103	99	96	104	100	97	93	94	92	89	89	87	85	84	83	81	78																			
2	99	92	85	80	96	89	83	79	84	80	76	80	76	73	76	73	70	67																			
3	91	82	74	68	88	80	73	67	76	70	65	72	67	63	68	64	61	59																			
4	84	74	66	59	82	72	64	59	68	62	57	65	60	55	62	58	54	52																			
5	78	67	58	52	76	65	57	52	62	55	50	59	54	49	57	52	48	46																			
6	73	61	52	47	70	59	52	46	57	50	45	54	49	44	52	47	43	41																			
7	68	56	48	42	66	54	47	41	52	46	41	50	44	40	48	43	39	37																			
8	64	51	43	38	62	50	43	38	48	42	37	46	41	36	45	39	36	34																			
9	60	47	40	35	58	46	39	34	45	38	34	43	37	33	42	36	33	31																			
10	56	44	37	32	55	43	36	32	42	35	31	40	35	31	39	34	30	28																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20801	20801	20801
5°	20671	18951	17698
10°	20816	15971	14260
15°	21131	13665	11763
20°	21628	11560	9563
25°	22271	9573	8424
30°	22925	8251	7871
35°	23275	7524	7546
40°	22737	6801	7210
45°	20773	6150	6728
50°	17386	5438	6373
55°	13083	4768	5734
60°	9059	4094	5566
65°	5999	3531	5546
70°	4010	3320	5963
75°	2695	3434	6608
80°	1757	3822	7233
85°	916	4823	8624



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1107.2	5.4
10°-20°	2604.6	12.8
20°-30°	3264.8	16.0
30°-40°	3464.3	17.0
40°-50°	3132.3	15.3
50°-60°	2271.1	11.1
60°-70°	1425.3	7.0
70°-80°	943.2	4.6
80°-90°	545.9	2.7
90°-100°	359.4	1.8
100°-110°	516.3	2.5
110°-120°	399.5	2.0
120°-130°	192.0	0.9
130°-140°	93.9	0.5
140°-150°	53.7	0.3
150°-160°	29.3	0.1
160°-170°	12.1	0.1
170°-180°	3.7	0.0
0°-30°	6976.6	34.2
0°-40°	10441.0	51.1
0°-60°	15844.4	77.6
0°-90°	18758.7	91.9
90°-120°	1275.2	6.2
90°-150°	1614.9	7.9
90°-180°	1660.0	8.1
0°-180°	20418.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13153	13153	13153	13153	13153	
5°	13126	12790	12039	11480	11191	###
15°	13227	10781	8562	7615	7269	3751
25°	13314	8336	5733	5089	4927	6151
35°	12837	5542	4161	4031	4030	7980
45°	10148	3510	3016	3088	3141	7731
55°	5373	2176	1968	2134	2211	4854
65°	1922	1262	1139	1460	1622	2000
75°	593	680	765	1188	1259	661
85°	104	282	560	779	715	125
90°	2	132	344	482	489	8
95°	25	130	355	482	514	71
105°	428	468	560	525	512	405
115°	305	330	432	465	464	304
125°	157	168	222	240	239	146
135°	95	100	119	138	138	75
145°	76	78	82	93	92	47
155°	64	68	70	72	70	27
165°	42	42	43	43	43	12
175°	38	38	38	38	38	4
180°	37	37	37	37	37	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13152.7	13152.7	13152.7	13152.7	13152.7
2.5°	13125.2	13050.1	12816.0	12673.3	12553.2
5°	13126.4	12789.7	12038.7	11480.4	11191.1
7.5°	13145.3	12396.7	11043.4	10228.5	9910.6
10°	13174.1	11909.7	10114.6	9245.9	8949.1
12.5°	13195.3	11361.4	9297.2	8404.6	8079.2
15°	13226.6	10780.6	8562.4	7614.7	7269.3
17.5°	13255.4	10233.5	7836.3	6846.2	6461.8
20°	13284.2	9643.9	7110.3	6090.1	5773.4
22.5°	13311.7	9021.8	6401.8	5503.0	5286.4
25°	13314.2	8335.8	5733.3	5088.6	4927.1
27.5°	13281.7	7624.8	5191.3	4741.8	4641.7
30°	13225.4	6935.0	4770.6	4491.5	4420.1
32.5°	13085.1	6231.5	4445.2	4249.9	4208.6
35°	12837.3	5541.8	4161.0	4030.8	4029.5
37.5°	12446.7	4929.6	3853.1	3830.5	3858.1
40°	11869.6	4393.9	3561.4	3621.5	3621.5
42.5°	11099.8	3928.2	3297.3	3358.6	3342.3
45°	10148.4	3510.1	3015.6	3088.2	3140.8
47.5°	9045.6	3142.1	2727.7	2867.9	2940.5
50°	7846.3	2791.5	2464.9	2643.8	2726.4
52.5°	6589.5	2467.3	2208.2	2413.5	2479.8
55°	5372.7	2175.6	1967.8	2134.3	2210.7
57.5°	4271.2	1897.7	1732.5	1890.2	2048.0
60°	3323.5	1658.6	1510.9	1736.2	1894.0
62.5°	2538.7	1445.9	1303.1	1592.3	1750.0
65°	1921.5	1261.8	1139.2	1459.6	1622.3
67.5°	1448.4	1102.8	1011.5	1363.3	1522.2
70°	1087.9	948.9	908.8	1303.1	1445.9
72.5°	803.6	807.4	827.4	1250.6	1359.5
75°	593.4	679.7	764.8	1187.9	1259.3
77.5°	424.4	563.3	708.5	1112.8	1137.9
80°	294.2	459.4	649.7	1014.0	992.7
82.5°	184.0	368.0	597.1	905.1	846.2
85°	103.9	281.6	559.5	778.6	714.8
87.5°	46.3	210.3	489.4	607.1	567.0
90°	2.4	132.2	343.6	481.9	489.0
92.5°	9.8	116.2	329.9	461.7	478.3
95°	25.2	129.5	354.9	481.8	513.9
97.5°	115.3	191.4	402.1	519.0	542.1
100°	230.6	305.1	446.3	540.3	556.9
102.5°	363.6	410.1	482.0	532.9	538.8
105°	427.9	468.1	560.3	525.2	512.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	350.4	382.9	494.4	522.7	515.2
115°	304.7	329.8	432.0	464.6	463.6
117.5°	259.2	281.1	372.5	401.3	400.9
120°	219.5	239.4	316.1	339.2	339.2
122.5°	187.2	201.3	266.3	285.1	284.7
125°	157.3	168.0	222.5	239.7	239.3
127.5°	132.6	139.9	186.9	203.6	202.4
130°	117.2	122.9	157.1	175.4	175.4
132.5°	104.7	109.6	135.4	153.7	154.5
135°	95.0	99.9	119.4	137.7	137.7
137.5°	88.5	93.8	106.3	123.4	124.2
140°	82.0	87.0	96.1	112.0	112.0
142.5°	78.4	81.3	87.9	101.3	102.1
145°	75.7	78.5	81.8	92.6	92.2
147.5°	71.6	75.7	78.6	84.9	84.4
150°	69.2	73.7	74.5	79.1	77.8
152.5°	66.0	70.5	71.3	74.6	73.4
155°	63.5	68.1	70.2	72.2	69.7
157.5°	46.1	47.7	47.7	48.5	48.5
160°	44.5	45.3	46.1	46.1	46.1
162.5°	42.8	43.6	43.6	44.5	44.5
165°	42.0	42.0	42.8	42.8	42.8
167.5°	40.4	40.4	41.2	41.2	41.2
170°	39.6	39.6	39.6	40.4	40.4
172.5°	38.8	38.8	38.8	38.8	38.8
175°	38.0	38.0	38.0	38.0	38.0
177.5°	37.2	38.0	38.0	38.0	38.0
180°	37.2	37.2	37.2	37.2	37.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	430.4	473.3	579.1	548.1	505.1
110°	396.0	436.7	546.7	559.9	527.4



(END OF REPORT)