

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: P826597

Luminaire Tested: **OHBL-36HE-W-UNV-L830-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826597
REPORT IS A COMBINATION OF REPORTS P826172 AND G3-2310-221-8
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-W-UNV-L830-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

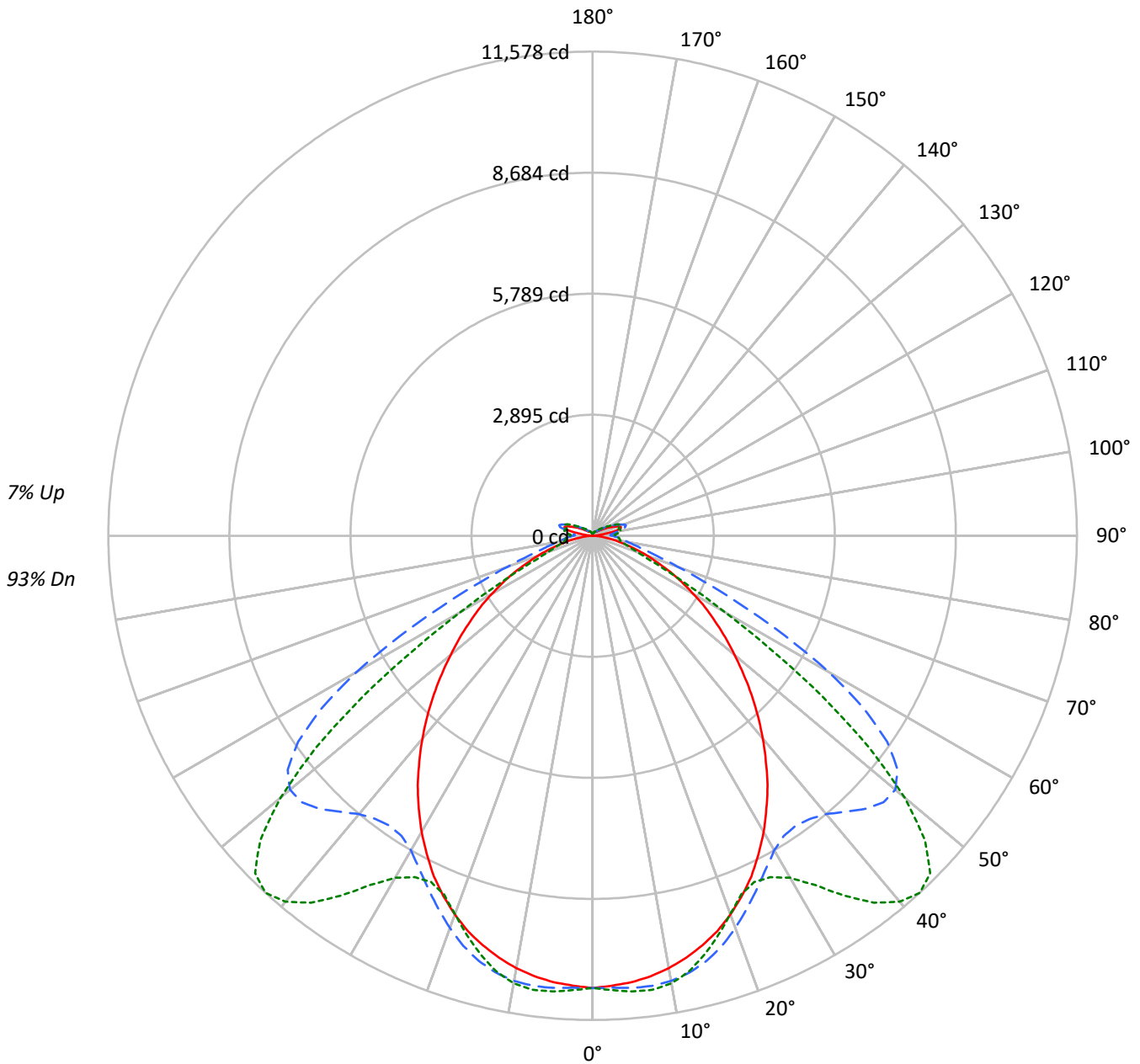
Lumens per Lamp: N/A
Luminaire Lumens: 34046.1 lumens
Efficiency: N/A
Efficacy: 151.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 224.3
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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					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	114	114	114	114	107	107	107	101	101	101	96	96	96	93								
1	108	103	99	95	104	100	96	93	95	92	89	90	87	85	85	83	81	79								
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	66								
3	90	79	71	65	86	77	70	64	73	67	62	70	64	60	66	62	58	56								
4	82	70	62	55	79	68	60	54	65	58	53	62	56	51	59	54	50	48								
5	75	63	54	47	73	61	53	47	58	51	45	55	49	44	53	48	43	41								
6	69	56	47	41	67	55	47	41	52	45	40	50	44	39	48	42	38	36								
7	64	51	42	36	62	50	41	36	47	40	35	45	39	34	43	38	33	31								
8	59	46	38	32	58	45	37	32	43	36	31	41	35	30	40	34	30	28								
9	55	42	34	28	54	41	34	28	40	33	28	38	32	27	37	31	27	25								
10	52	39	31	26	50	38	30	25	37	30	25	35	29	25	34	28	24	22								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17103	17103	17103
5°	16872	17087	17298
10°	16590	17068	17318
15°	16196	16794	16763
20°	15685	16224	15942
25°	15026	15533	15622
30°	14176	15020	16811
35°	13220	15307	19672
40°	12126	16588	22742
45°	10990	18829	24445
50°	9812	20837	22749
55°	8704	20831	17382
60°	7581	17643	10627
65°	6403	12201	6437
70°	5092	7902	4648
75°	3751	5679	4309
80°	2549	5010	4862
85°	1543	5551	7686



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1033.4	3.0
10°-20°	2926.4	8.6
20°-30°	4282.3	12.6
30°-40°	5561.5	16.3
40°-50°	6791.3	19.9
50°-60°	5980.8	17.6
60°-70°	3116.6	9.2
70°-80°	1336.5	3.9
80°-90°	646.0	1.9
90°-100°	460.9	1.4
100°-110°	740.8	2.2
110°-120°	586.2	1.7
120°-130°	288.5	0.8
130°-140°	144.3	0.4
140°-150°	80.8	0.2
150°-160°	43.7	0.1
160°-170°	20.0	0.1
170°-180°	6.1	0.0
0°-30°	8242.2	24.2
0°-40°	13803.7	40.5
0°-60°	26575.7	78.1
0°-90°	31674.8	93.0
90°-120°	1787.9	5.3
90°-150°	2301.4	6.8
90°-180°	2371.0	7.0
0°-180°	34046.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10814	10814	10814	10814	10814	
5°	10714	10796	10854	10950	10938	###
15°	10138	10422	10523	10444	10360	2855
25°	8983	9464	9303	9128	9137	4122
35°	7291	8061	8465	9872	10504	4545
45°	5369	6755	9233	11178	11412	4140
55°	3574	5917	8598	7539	6701	3208
65°	2051	4100	3936	2189	1883	2029
75°	826	1918	1265	866	821	901
85°	175	684	644	630	637	195
90°	6	271	456	527	544	15
95°	40	221	458	552	586	115
105°	699	765	802	674	647	664
115°	491	530	617	642	646	496
125°	249	267	330	352	352	233
135°	152	154	182	210	213	120
145°	119	116	122	136	141	75
155°	99	101	97	98	98	43
165°	69	70	70	71	71	20
175°	62	62	63	63	63	6
180°	62	62	62	62	62	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10814.5	10814.5	10814.5	10814.5	10814.5
2.5°	10767.8	10814.5	10816.9	10882.2	10875.2
5°	10714.1	10795.8	10854.2	10949.8	10938.2
7.5°	10625.5	10753.9	10856.5	10961.5	10952.2
10°	10499.6	10674.5	10809.8	10896.2	10868.1
12.5°	10336.2	10567.2	10700.2	10718.9	10665.2
15°	10137.8	10422.5	10522.8	10443.5	10359.5
17.5°	9913.9	10247.6	10282.5	10109.8	10004.9
20°	9633.9	10014.2	9979.2	9741.2	9624.6
22.5°	9323.6	9757.5	9645.6	9395.9	9283.9
25°	8982.9	9463.6	9302.6	9127.5	9136.9
27.5°	8583.9	9130.0	8973.6	9052.9	9202.3
30°	8178.0	8780.0	8684.3	9146.2	9440.2
32.5°	7732.4	8420.6	8507.0	9419.3	9899.9
35°	7291.4	8061.3	8465.0	9871.9	10504.2
37.5°	6803.7	7697.3	8532.6	10394.5	11057.1
40°	6330.0	7342.6	8686.6	10863.5	11423.5
42.5°	5847.1	7025.3	8945.6	11141.2	11577.5
45°	5368.7	6754.7	9232.6	11178.5	11411.8
47.5°	4890.4	6526.1	9430.9	10882.2	10774.8
50°	4428.4	6323.0	9444.9	10170.5	9731.9
52.5°	3996.8	6136.4	9188.2	9036.6	8355.3
55°	3574.5	5917.0	8598.0	7538.6	6701.0
57.5°	3189.5	5613.8	7688.0	5928.8	5014.1
60°	2781.2	5203.1	6512.0	4337.5	3616.5
62.5°	2405.6	4692.1	5193.8	3019.2	2599.2
65°	2050.9	4099.5	3936.2	2188.6	1882.9
67.5°	1675.3	3485.9	2904.8	1595.9	1399.9
70°	1381.3	2916.5	2162.9	1241.3	1126.9
72.5°	1080.3	2375.2	1616.9	1008.0	945.0
75°	826.0	1917.9	1264.6	865.6	821.3
77.5°	609.0	1516.6	1017.3	765.3	723.3
80°	426.9	1194.6	851.6	683.7	667.3
82.5°	287.0	923.9	725.6	651.0	653.3
85°	175.0	683.7	643.9	630.0	637.0
87.5°	84.0	485.3	552.9	574.0	580.9
90°	6.0	270.6	456.3	527.2	543.5
92.5°	12.1	219.7	424.5	504.7	523.8
95°	40.0	221.0	458.4	552.0	586.1
97.5°	186.1	317.2	524.8	626.4	648.3
100°	381.1	495.3	600.1	674.2	686.8
102.5°	592.3	675.4	665.2	675.5	674.6
105°	698.8	764.7	801.9	674.0	647.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	574.2	619.9	706.8	724.5	705.9
115°	491.3	529.6	617.3	642.1	645.8
117.5°	423.0	451.4	530.3	556.5	559.7
120°	356.0	381.2	452.5	477.7	478.2
122.5°	300.2	320.2	387.9	410.7	411.2
125°	249.0	267.2	329.6	352.0	352.5
127.5°	211.2	222.0	281.7	304.1	304.6
130°	185.2	191.7	239.3	263.5	269.2
132.5°	167.5	170.3	208.5	232.8	239.3
135°	151.7	154.5	182.5	210.0	213.3
137.5°	139.6	142.4	162.5	187.7	193.3
140°	129.3	132.1	144.3	169.5	172.8
142.5°	123.4	123.8	133.6	153.2	156.4
145°	119.2	116.3	121.5	136.4	141.1
147.5°	112.7	112.2	114.1	125.3	127.6
150°	107.1	109.0	106.1	111.8	117.3
152.5°	103.4	104.3	101.4	102.4	107.1
155°	98.7	100.6	96.8	97.7	97.7
157.5°	77.2	78.2	79.1	80.0	80.0
160°	74.4	74.4	75.4	76.3	76.3
162.5°	71.7	71.7	72.6	73.5	73.5
165°	68.9	69.8	69.8	70.7	70.7
167.5°	67.0	67.0	67.9	67.9	68.9
170°	65.1	65.1	66.1	66.1	66.1
172.5°	63.3	64.2	64.2	64.2	64.2
175°	62.3	62.3	63.3	63.3	63.3
177.5°	61.4	62.3	62.3	62.3	62.3
180°	62.3	62.3	62.3	62.3	62.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	707.7	768.4	838.1	734.4	658.2
110°	649.1	707.9	789.6	771.2	711.6



(END OF REPORT)