

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: P826595

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826595
REPORT IS A COMBINATION OF REPORTS P826171 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-NL-UNV-L830-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

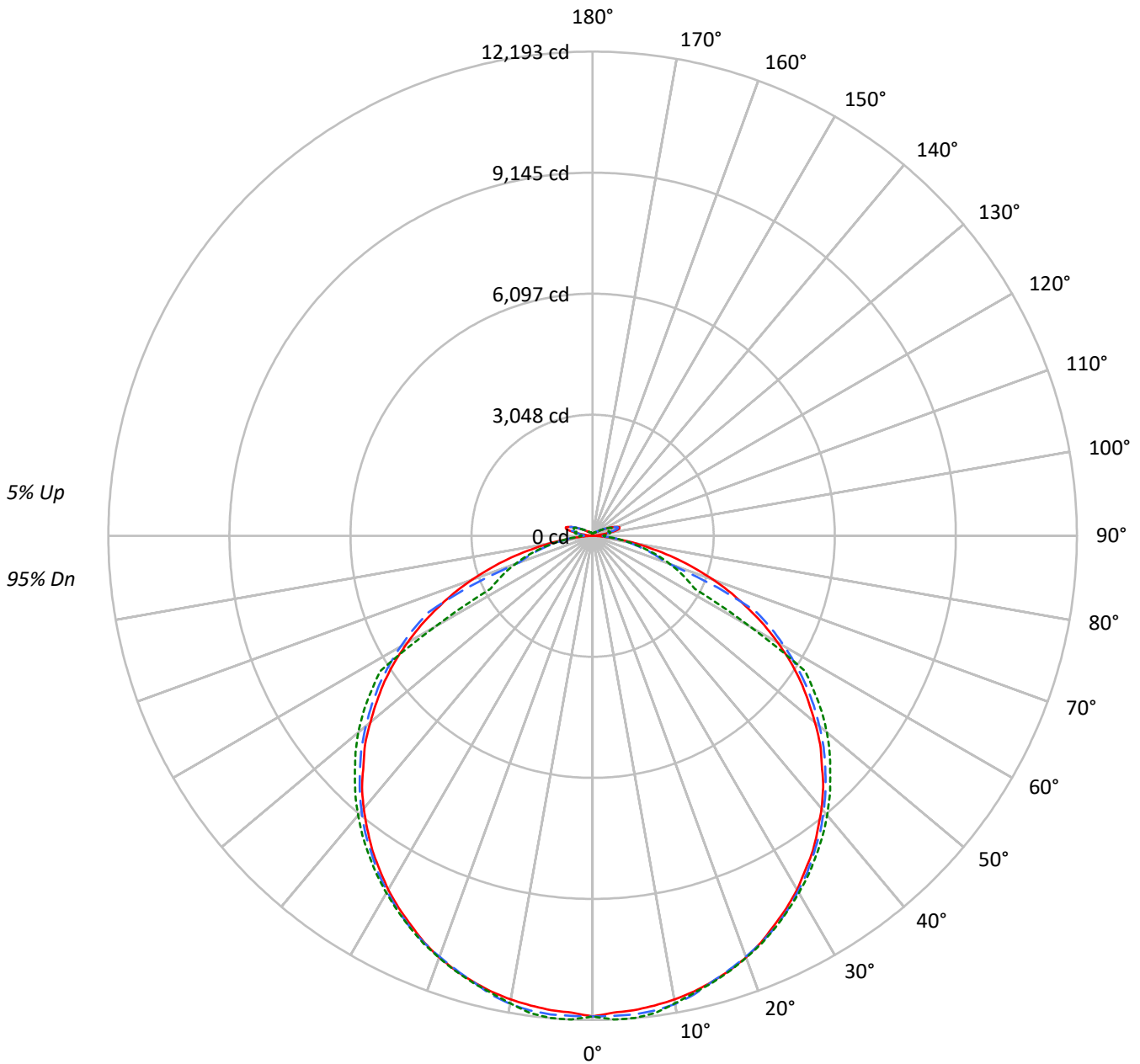
Lumens per Lamp: N/A
Luminaire Lumens: 35649.5 lumens
Efficiency: N/A
Efficacy: 158.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 224.3
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				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	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	97	97	97	95
1	108	104	99	96	105	101	97	94	96	93	90	91	88	86	86	85	83	83	83	83	80
2	99	91	84	79	95	88	82	77	84	79	75	80	76	72	76	73	70	70	70	70	67
3	90	80	72	65	87	78	70	65	74	68	63	71	65	61	67	63	59	59	59	59	57
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	51	51	51	49
5	76	63	54	48	73	62	53	47	59	52	46	56	50	45	54	49	44	44	44	44	42
6	70	57	48	42	68	56	47	41	53	46	41	51	45	40	49	43	39	39	39	39	37
7	65	51	43	37	63	50	42	36	48	41	36	46	40	35	45	39	35	35	35	35	33
8	60	47	38	33	58	46	38	32	44	37	32	43	36	31	41	35	31	31	31	31	29
9	56	43	35	29	55	42	34	29	41	34	29	39	33	28	38	32	28	28	28	28	26
10	53	40	32	27	51	39	31	26	38	31	26	36	30	26	35	29	25	25	25	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19142	19142	19142
5°	18945	19112	19309
10°	18857	19028	19110
15°	18760	18744	18943
20°	18636	18592	18849
25°	18406	18479	18763
30°	18211	18280	18681
35°	17974	18043	18608
40°	17688	17821	18552
45°	17285	17506	18437
50°	16854	17151	18364
55°	16331	16701	18052
60°	15541	16031	13946
65°	14402	15169	9289
70°	12934	7810	8881
75°	10770	7073	8280
80°	7605	5939	7250
85°	3086	4797	6273



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1149.9	3.2
10°-20°	3292.6	9.2
20°-30°	5010.0	14.1
30°-40°	6091.4	17.1
40°-50°	6404.8	18.0
50°-60°	5848.4	16.4
60°-70°	3749.1	10.5
70°-80°	1771.0	5.0
80°-90°	495.3	1.4
90°-100°	289.4	0.8
100°-110°	589.0	1.7
110°-120°	485.3	1.4
120°-130°	228.3	0.6
130°-140°	114.0	0.3
140°-150°	66.2	0.2
150°-160°	38.6	0.1
160°-170°	20.0	0.1
170°-180°	6.1	0.0
0°-30°	9452.5	26.5
0°-40°	15543.9	43.6
0°-60°	27797.1	78.0
0°-90°	33812.5	94.8
90°-120°	1363.6	3.8
90°-150°	1772.2	5.0
90°-180°	1837.0	5.2
0°-180°	35649.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12104	12104	12104	12104	12104	
5°	11992	12038	12100	12166	12191	###
15°	11628	11715	11626	11643	11652	3283
25°	10821	10838	10876	10894	10885	4993
35°	9672	9615	9725	9844	9817	6045
45°	8158	8143	8281	8476	8462	6306
55°	6393	6344	6559	6777	6794	5701
65°	4307	4307	4558	2614	2623	4270
75°	2128	2169	1408	1483	1489	2243
85°	278	353	440	476	450	411
90°	4	142	227	273	274	15
95°	42	138	260	344	367	115
105°	700	706	616	444	411	665
115°	488	498	503	491	478	489
125°	233	244	250	249	248	219
135°	138	140	145	147	148	109
145°	100	102	105	106	106	64
155°	80	82	83	84	84	38
165°	69	70	70	71	71	20
175°	62	62	63	63	63	6
180°	62	62	62	62	62	



TEST NUMBER: P826595

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12104.2	12104.2	12104.2	12104.2	12104.2
2.5°	12019.1	12059.6	12104.2	12161.5	12193.3
5°	11991.5	12038.3	12099.9	12165.8	12191.2
7.5°	11932.1	11997.8	12057.4	12104.2	12119.0
10°	11857.7	11936.4	11970.4	11966.1	11955.6
12.5°	11757.9	11840.9	11830.3	11781.3	11789.9
15°	11628.4	11715.4	11626.4	11643.2	11651.8
17.5°	11475.4	11560.5	11456.3	11490.3	11492.5
20°	11297.1	11360.8	11280.1	11307.7	11307.7
22.5°	11082.6	11127.1	11093.2	11112.3	11116.6
25°	10821.3	10838.2	10876.4	10893.5	10885.0
27.5°	10570.8	10549.5	10623.9	10664.2	10642.8
30°	10292.5	10258.5	10345.5	10411.4	10386.0
32.5°	9973.8	9952.7	10052.5	10131.1	10116.2
35°	9672.3	9615.0	9725.3	9844.3	9816.6
37.5°	9315.4	9281.5	9406.7	9532.2	9517.4
40°	8967.1	8909.8	9052.1	9200.8	9185.9
42.5°	8593.4	8525.3	8680.4	8859.0	8841.9
45°	8157.8	8143.0	8281.0	8476.4	8461.6
47.5°	7771.5	7697.1	7890.3	8079.4	8096.5
50°	7304.0	7276.6	7452.9	7682.2	7699.1
52.5°	6847.6	6828.4	7013.0	7244.7	7274.3
55°	6392.9	6344.1	6558.6	6777.4	6794.5
57.5°	5906.7	5855.7	6074.5	6312.3	6348.3
60°	5386.1	5337.4	5577.3	5798.3	4611.1
62.5°	4865.8	4831.9	5082.6	3600.0	2901.4
65°	4307.3	4307.3	4557.8	2614.5	2623.0
67.5°	3784.9	3751.0	3398.4	2348.9	2348.9
70°	3224.1	3236.9	1958.1	2058.2	2060.2
72.5°	2661.3	2708.0	1690.7	1771.2	1775.5
75°	2128.1	2168.6	1408.1	1482.6	1488.8
77.5°	1563.2	1202.1	1131.9	1189.5	1191.6
80°	1098.1	758.2	866.6	921.7	915.4
82.5°	641.3	530.9	635.0	675.5	673.3
85°	278.1	352.6	439.6	475.8	450.2
87.5°	89.1	218.8	273.9	295.3	293.0
90°	3.7	142.2	227.1	273.3	273.9
92.5°	12.1	124.0	221.2	283.3	292.7
95°	41.7	137.9	260.4	344.5	366.8
97.5°	185.7	242.7	321.3	411.0	430.2
100°	378.4	428.7	395.3	451.4	459.2
102.5°	595.9	614.1	462.8	449.5	446.1
105°	700.2	706.4	616.5	444.3	410.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	573.0	581.0	576.1	555.0	516.6
115°	488.0	497.8	503.2	491.2	477.6
117.5°	406.7	409.4	411.3	409.4	410.4
120°	339.7	346.2	349.9	347.1	345.2
122.5°	283.8	292.2	296.8	294.1	292.2
125°	232.6	243.8	250.3	249.4	247.5
127.5°	197.3	205.7	214.0	213.1	211.2
130°	171.2	177.7	183.3	184.2	185.2
132.5°	153.5	156.3	161.9	162.8	164.7
135°	137.7	140.5	145.2	147.0	148.0
137.5°	125.6	128.4	132.1	134.0	134.9
140°	115.4	118.2	121.0	122.8	123.8
142.5°	107.0	109.8	112.6	113.5	114.5
145°	100.5	102.4	105.2	106.1	106.1
147.5°	94.0	95.8	97.7	99.6	99.6
150°	88.4	90.3	92.1	93.1	94.0
152.5°	84.7	85.6	87.5	88.4	88.4
155°	80.0	81.9	82.8	83.8	83.8
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°	706.7	717.2	671.8	517.9	424.1
110°	650.3	664.0	642.4	578.2	499.0



(END OF REPORT)