

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: P827807

Luminaire Tested: **OHBL-36SE-NL-UNV-L930-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827807
REPORT IS A COMBINATION OF REPORTS P826177 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-36SE-NL-UNV-L930-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

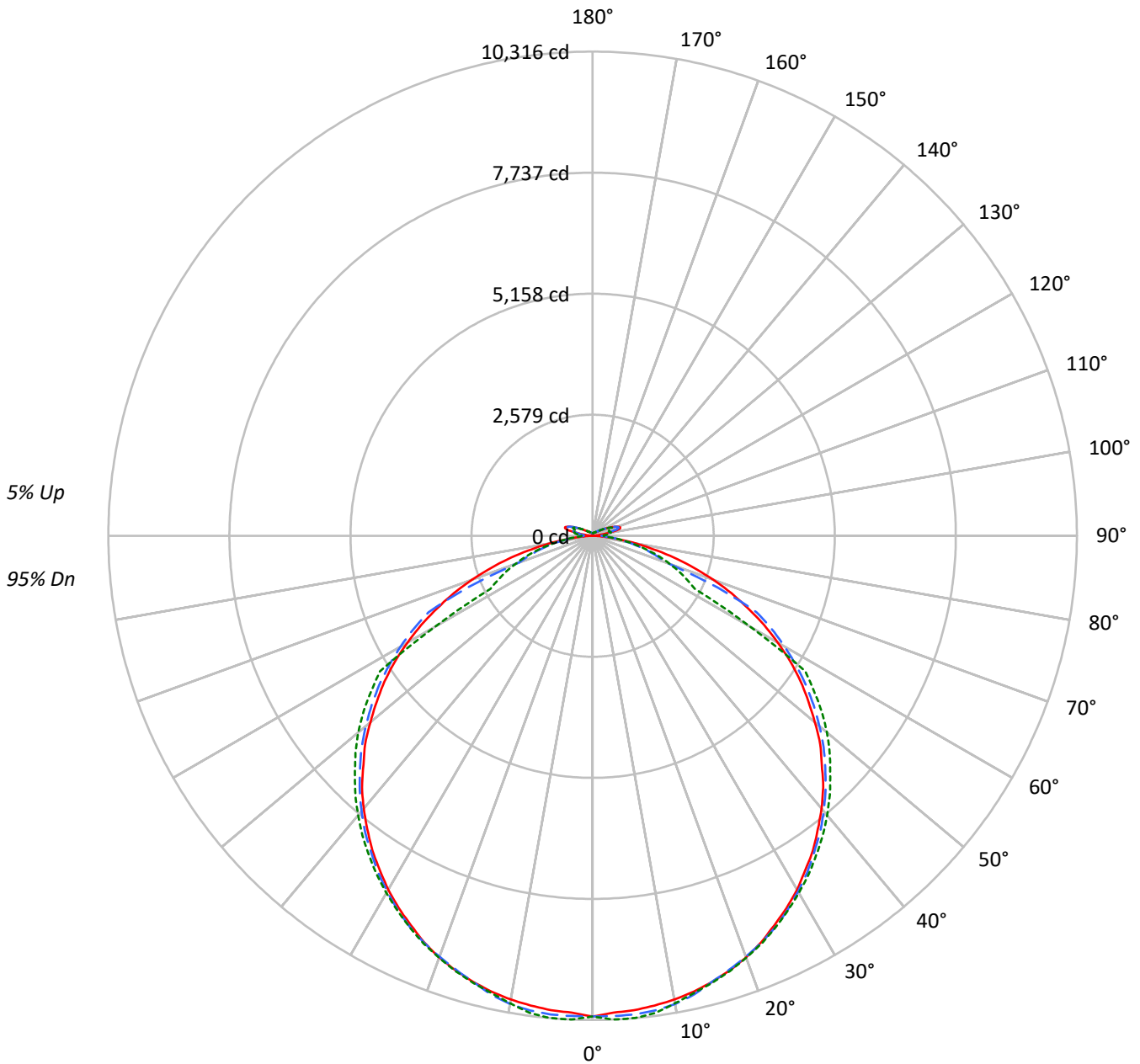
Lumens per Lamp: N/A
Luminaire Lumens: 30200.1 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 223.3
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									
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95																			
1	108	103	99	96	105	101	97	94	96	93	90	91	88	86	86	84	83	80																			
2	99	91	84	78	95	88	82	77	84	79	75	80	76	72	76	73	70	67																			
3	90	80	72	65	87	78	70	65	74	68	63	71	65	61	67	63	59	57																			
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49																			
5	76	63	54	48	73	62	53	47	59	52	46	56	50	45	54	49	44	42																			
6	70	57	48	42	68	56	47	41	53	46	40	51	45	40	49	43	39	37																			
7	65	51	43	37	63	50	42	36	48	41	36	46	40	35	45	39	35	33																			
8	60	47	38	33	58	46	38	32	44	37	32	43	36	31	41	35	31	29																			
9	56	43	35	29	55	42	34	29	41	34	29	39	33	28	38	32	28	26																			
10	53	40	32	27	51	39	31	26	38	31	26	36	30	26	35	29	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16196	16196	16196
5°	16029	16170	16337
10°	15955	16100	16169
15°	15872	15859	16027
20°	15768	15730	15948
25°	15573	15635	15875
30°	15408	15467	15806
35°	15208	15266	15744
40°	14965	15078	15697
45°	14625	14812	15599
50°	14260	14511	15537
55°	13817	14130	15274
60°	13149	13563	11799
65°	12186	12834	7859
70°	10943	6608	7514
75°	9113	5985	7006
80°	6434	5025	6134
85°	2611	4058	5307



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	972.9	3.2
10°-20°	2785.8	9.2
20°-30°	4238.9	14.0
30°-40°	5153.8	17.1
40°-50°	5419.0	17.9
50°-60°	4948.2	16.4
60°-70°	3172.1	10.5
70°-80°	1498.4	5.0
80°-90°	419.1	1.4
90°-100°	248.4	0.8
100°-110°	510.8	1.7
110°-120°	421.3	1.4
120°-130°	198.3	0.7
130°-140°	99.1	0.3
140°-150°	57.5	0.2
150°-160°	33.6	0.1
160°-170°	17.4	0.1
170°-180°	5.3	0.0
0°-30°	7997.6	26.5
0°-40°	13151.5	43.5
0°-60°	23518.7	77.9
0°-90°	28608.4	94.7
90°-120°	1180.5	3.9
90°-150°	1535.4	5.1
90°-180°	1592.0	5.3
0°-180°	30200.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10241	10241	10241	10241	10241	
5°	10146	10185	10238	10293	10315	965
15°	9838	9912	9837	9851	9858	2778
25°	9156	9170	9202	9217	9210	4225
35°	8184	8135	8228	8329	8306	5114
45°	6902	6890	7006	7172	7159	5335
55°	5409	5368	5549	5734	5749	4824
65°	3644	3644	3856	2212	2219	3613
75°	1801	1835	1191	1254	1260	1898
85°	235	298	372	403	381	348
90°	3	121	193	232	233	13
95°	36	118	223	295	314	100
105°	608	613	535	385	356	577
115°	424	432	437	426	415	425
125°	202	212	217	217	215	190
135°	120	122	126	128	128	95
145°	87	89	91	92	92	55
155°	70	71	72	73	73	33
165°	60	61	61	61	61	17
175°	54	54	55	55	55	5
180°	54	54	54	54	54	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10241.2	10241.2	10241.2	10241.2	10241.2
2.5°	10169.2	10203.5	10241.2	10289.7	10316.5
5°	10145.9	10185.4	10237.5	10293.3	10314.8
7.5°	10095.6	10151.1	10201.6	10241.2	10253.7
10°	10032.6	10099.2	10127.9	10124.4	10115.4
12.5°	9948.2	10018.4	10009.4	9968.0	9975.2
15°	9838.5	9912.2	9836.9	9851.2	9858.4
17.5°	9709.2	9781.2	9693.0	9721.7	9723.7
20°	9558.3	9612.2	9543.9	9567.3	9567.3
22.5°	9376.8	9414.5	9385.8	9402.0	9405.6
25°	9155.7	9170.1	9202.4	9216.9	9209.6
27.5°	8943.8	8925.8	8988.7	9022.8	9004.7
30°	8708.3	8679.6	8753.2	8808.9	8787.4
32.5°	8438.7	8420.8	8505.3	8571.6	8559.1
35°	8183.6	8135.1	8228.4	8329.1	8305.7
37.5°	7881.7	7852.9	7958.8	8065.1	8052.5
40°	7586.9	7538.4	7658.9	7784.6	7772.0
42.5°	7270.7	7213.1	7344.4	7495.4	7481.0
45°	6902.2	6889.7	7006.5	7171.8	7159.2
47.5°	6575.4	6512.4	6675.8	6835.8	6850.3
50°	6179.8	6156.6	6305.7	6499.8	6514.1
52.5°	5793.6	5777.4	5933.7	6129.6	6154.7
55°	5408.9	5367.7	5549.1	5734.2	5748.7
57.5°	4997.6	4954.4	5139.5	5340.8	5371.2
60°	4557.1	4515.8	4718.9	4905.9	3901.3
62.5°	4116.9	4088.1	4300.3	3046.0	2454.8
65°	3644.3	3644.3	3856.2	2212.1	2219.3
67.5°	3202.4	3173.6	2875.3	1987.4	1987.4
70°	2727.9	2738.7	1656.8	1741.4	1743.1
72.5°	2251.6	2291.2	1430.5	1498.6	1502.2
75°	1800.6	1834.8	1191.4	1254.4	1259.7
77.5°	1322.7	1017.1	957.7	1006.5	1008.2
80°	929.0	641.6	733.2	779.9	774.5
82.5°	542.6	449.2	537.3	571.5	569.6
85°	235.3	298.4	371.9	402.6	380.9
87.5°	75.3	185.1	231.7	249.8	247.9
90°	3.2	120.8	192.8	232.2	232.8
92.5°	10.5	105.6	188.3	241.2	249.4
95°	36.1	118.4	223.0	295.0	314.4
97.5°	161.3	209.8	276.9	353.7	370.2
100°	328.6	371.6	341.9	389.7	396.4
102.5°	517.4	532.8	401.0	388.9	385.9
105°	607.9	613.1	534.7	385.2	356.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	497.4	504.3	500.0	481.7	448.7
115°	423.6	432.1	436.6	426.4	414.8
117.5°	353.2	355.7	357.3	355.7	356.5
120°	295.0	300.7	303.9	301.5	299.9
122.5°	246.5	253.8	257.9	255.4	253.8
125°	202.1	211.8	217.4	216.6	215.0
127.5°	171.4	178.6	185.9	185.1	183.5
130°	148.7	154.4	159.2	160.0	160.9
132.5°	133.4	135.8	140.6	141.5	143.1
135°	119.6	122.1	126.1	127.7	128.5
137.5°	109.1	111.6	114.8	116.4	117.2
140°	100.2	102.7	105.1	106.7	107.5
142.5°	93.0	95.4	97.8	98.6	99.4
145°	87.3	88.9	91.3	92.2	92.2
147.5°	81.6	83.3	84.9	86.5	86.5
150°	76.8	78.4	80.0	80.8	81.6
152.5°	73.6	74.4	76.0	76.8	76.8
155°	69.5	71.1	71.9	72.8	72.8
157.5°	67.1	67.9	68.7	69.5	69.5
160°	64.7	64.7	65.5	66.3	66.3
162.5°	62.2	62.2	63.0	63.9	63.9
165°	59.8	60.6	60.6	61.4	61.4
167.5°	58.2	58.2	59.0	59.0	59.8
170°	56.6	56.6	57.4	57.4	57.4
172.5°	55.0	55.8	55.8	55.8	55.8
175°	54.2	54.2	55.0	55.0	55.0
177.5°	53.4	54.2	54.2	54.2	54.2
180°	54.2	54.2	54.2	54.2	54.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	613.6	622.5	582.9	449.4	368.3
110°	564.5	576.3	557.4	501.9	433.3



(END OF REPORT)