

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: P827805

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827805
REPORT IS A COMBINATION OF REPORTS P826176 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-N-UNV-L930-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

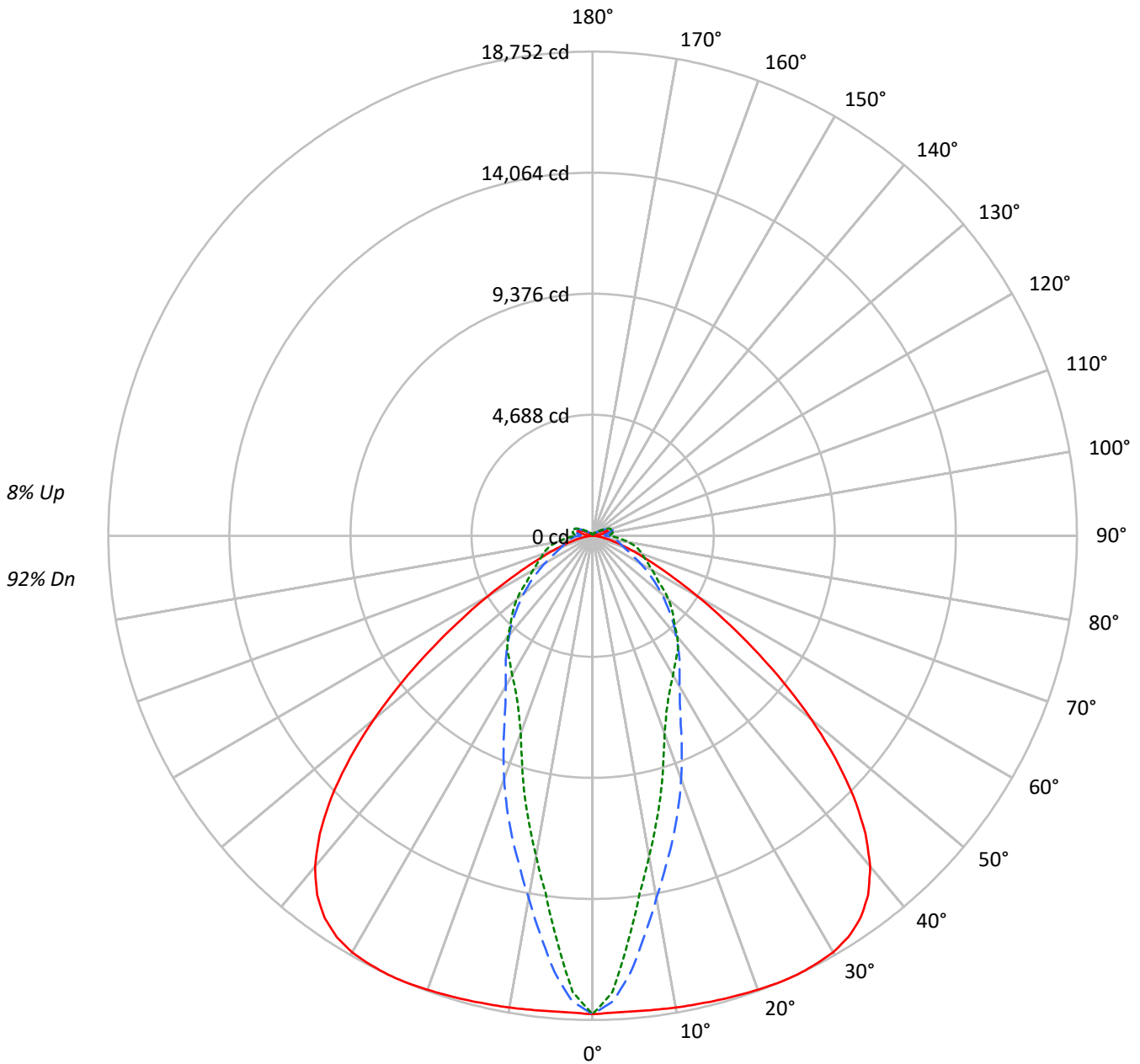
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28787.1 lumens
Efficiency: N/A
Efficacy: 128.9 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): 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	117	117	117	117	113	113	113	113	107	107	107	100	100	100	94	94	94	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	73	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	45	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°	29296	29296	29296
5°	29113	26691	24926
10°	29317	22493	20084
15°	29761	19246	16567
20°	30461	16281	13469
25°	31367	13483	11865
30°	32288	11621	11086
35°	32780	10597	10629
40°	32024	9578	10154
45°	29258	8662	9476
50°	24486	7659	8976
55°	18427	6715	8076
60°	12759	5766	7839
65°	8449	4973	7812
70°	5647	4677	8399
75°	3795	4838	9306
80°	2474	5383	10186
85°	1290	6794	12146



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1559.4	5.4
10°-20°	3668.3	12.7
20°-30°	4598.2	16.0
30°-40°	4879.2	16.9
40°-50°	4411.6	15.3
50°-60°	3198.7	11.1
60°-70°	2007.3	7.0
70°-80°	1328.4	4.6
80°-90°	768.9	2.7
90°-100°	509.2	1.8
100°-110°	736.6	2.6
110°-120°	570.9	2.0
120°-130°	274.8	1.0
130°-140°	134.2	0.5
140°-150°	76.7	0.3
150°-160°	41.9	0.1
160°-170°	17.4	0.1
170°-180°	5.3	0.0
0°-30°	9825.9	34.1
0°-40°	14705.1	51.1
0°-60°	22315.4	77.5
0°-90°	26420.1	91.8
90°-120°	1816.6	6.3
90°-150°	2302.4	8.0
90°-180°	2367.0	8.2
0°-180°	28787.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18524	18524	18524	18524	18524	
5°	18488	18013	16955	16169	15762	###
15°	18628	15184	12059	10725	10238	5283
25°	18752	11740	8075	7167	6939	8663
35°	18080	7805	5860	5677	5675	11240
45°	14293	4944	4247	4350	4424	10888
55°	7567	3064	2772	3006	3114	6837
65°	2706	1777	1604	2056	2285	2816
75°	836	957	1077	1673	1774	932
85°	146	397	788	1097	1007	175
90°	3	186	484	680	689	12
95°	38	183	506	682	726	103
105°	613	671	799	744	727	582
115°	434	474	616	661	665	437
125°	223	240	318	344	340	209
135°	137	143	170	196	197	109
145°	108	112	118	133	131	68
155°	91	98	100	103	99	39
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°	18524.5	18524.5	18524.5	18524.5	18524.5
2.5°	18485.7	18379.9	18050.2	17849.2	17679.9
5°	18487.5	18013.2	16955.4	16169.0	15761.8
7.5°	18513.9	17459.6	15553.7	14406.0	13958.1
10°	18554.5	16773.7	14245.5	13022.0	12604.1
12.5°	18584.4	16001.5	13094.3	11837.2	11378.8
15°	18628.5	15183.5	12059.4	10724.7	10238.1
17.5°	18669.0	14413.0	11036.7	9642.2	9100.9
20°	18709.6	13582.6	10014.2	8577.3	8131.3
22.5°	18748.4	12706.4	9016.3	7750.4	7445.4
25°	18751.9	11740.2	8074.8	7166.8	6939.4
27.5°	18706.0	10738.8	7311.4	6678.4	6537.4
30°	18626.7	9767.3	6719.0	6325.9	6225.4
32.5°	18429.3	8776.5	6260.6	5985.6	5927.4
35°	18080.2	7805.1	5860.4	5677.1	5675.3
37.5°	17530.1	6942.9	5426.7	5395.0	5433.8
40°	16717.4	6188.4	5015.9	5100.5	5100.5
42.5°	15633.1	5532.5	4643.9	4730.3	4707.4
45°	14293.1	4943.6	4247.2	4349.5	4423.5
47.5°	12739.9	4425.3	3841.7	4039.2	4141.4
50°	11050.9	3931.7	3471.5	3723.6	3840.0
52.5°	9280.7	3475.0	3110.1	3399.2	3492.6
55°	7567.1	3064.2	2771.5	3006.0	3113.5
57.5°	6015.5	2672.8	2440.1	2662.2	2884.4
60°	4680.9	2336.1	2128.0	2445.4	2667.5
62.5°	3575.5	2036.4	1835.3	2242.6	2464.8
65°	2706.3	1777.2	1604.4	2055.8	2284.9
67.5°	2039.8	1553.3	1424.5	1920.0	2143.9
70°	1532.1	1336.4	1280.0	1835.3	2036.4
72.5°	1131.9	1137.2	1165.4	1761.3	1914.7
75°	835.7	957.3	1077.3	1673.2	1773.6
77.5°	597.7	793.4	997.9	1567.4	1602.6
80°	414.4	647.1	915.0	1428.1	1398.1
82.5°	259.2	518.3	841.0	1274.7	1191.8
85°	146.3	396.6	788.1	1096.6	1006.7
87.5°	65.2	296.2	689.3	855.1	798.6
90°	3.2	185.9	484.1	679.9	689.2
92.5°	14.1	164.2	465.8	650.3	674.4
95°	37.7	182.7	506.3	681.5	725.6
97.5°	166.4	274.4	569.7	735.7	769.8
100°	335.5	432.8	633.5	767.1	789.6
102.5°	520.8	592.3	686.1	756.3	765.6
105°	613.0	670.9	798.7	744.3	727.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	504.2	549.8	700.5	745.8	734.4
115°	434.1	474.2	616.2	660.7	665.2
117.5°	374.4	403.3	530.0	572.5	575.1
120°	316.2	343.0	452.0	486.6	485.0
122.5°	267.7	289.1	381.3	408.9	405.5
125°	223.3	240.0	317.9	343.5	340.2
127.5°	190.8	201.6	267.0	290.9	287.5
130°	168.1	177.3	224.5	249.9	250.7
132.5°	151.0	157.0	193.5	219.1	220.7
135°	137.3	143.2	170.2	196.5	197.3
137.5°	126.7	134.5	151.8	176.4	177.2
140°	117.9	123.8	136.9	159.6	160.4
142.5°	112.4	116.6	126.0	144.4	145.3
145°	108.5	111.9	117.8	132.7	131.0
147.5°	102.8	107.9	111.3	121.7	120.0
150°	98.0	104.8	106.5	112.6	111.6
152.5°	94.7	100.8	102.4	106.8	105.0
155°	90.7	97.6	100.2	102.7	99.2
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°	618.7	676.9	825.7	780.6	722.6
110°	569.6	625.4	781.0	797.7	754.3



(END OF REPORT)