

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: P827762

Luminaire Tested: **OHBL-24SE-W-UNV-L930-CD-UPL36**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P827762
REPORT IS A COMBINATION OF REPORTS P826310 AND G3-2310-221-2
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-24SE-W-UNV-L930-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

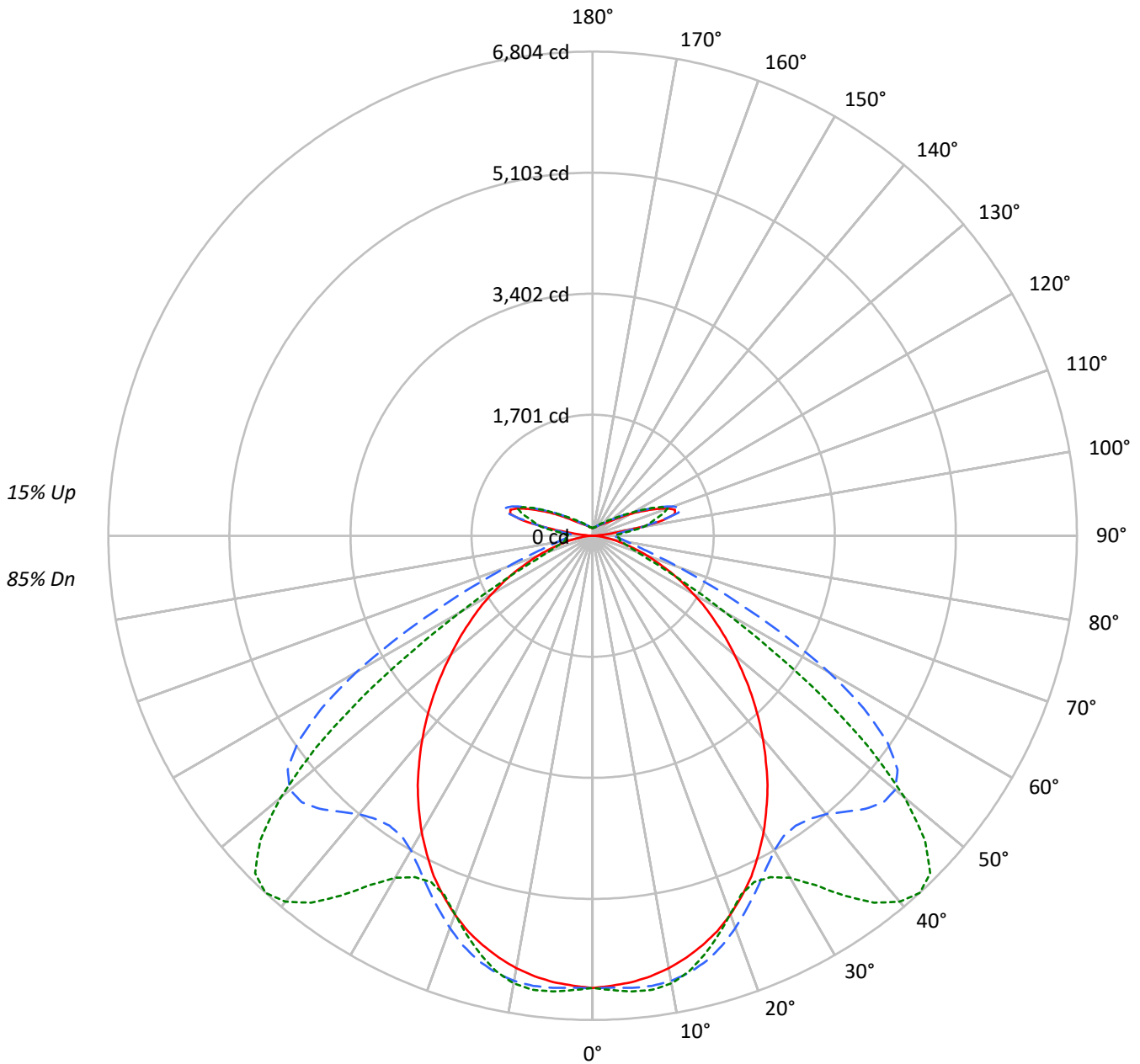
Lumens per Lamp: N/A
Luminaire Lumens: 21924.5 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 166.8
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	115	115	115	115	111	111	111	111	103	103	103	95	95	95	88	88	88	85																			
1	106	101	97	94	102	98	94	91	91	88	85	84	82	80	78	77	75	72																			
2	96	89	82	77	92	85	80	75	80	75	71	74	70	67	69	66	63	60																			
3	88	78	70	64	84	75	68	62	70	64	59	65	61	56	61	57	54	51																			
4	80	69	60	54	77	67	59	53	62	56	51	58	53	48	54	50	46	43																			
5	74	61	53	46	71	59	51	45	56	49	43	52	46	42	49	44	40	37																			
6	68	55	46	40	65	53	45	39	50	43	38	47	41	36	44	39	35	33																			
7	63	50	41	35	60	48	40	35	45	38	33	43	37	32	40	35	31	29																			
8	58	45	37	31	56	44	36	31	41	34	30	39	33	28	37	31	27	25																			
9	54	41	33	28	52	40	32	27	38	31	26	36	30	25	34	28	25	23																			
10	51	38	30	25	49	37	30	25	35	28	24	33	27	23	31	26	22	20																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10855	10855	10855
5°	10702	10840	10979
10°	10516	10823	10992
15°	10260	10644	10639
20°	9929	10278	10118
25°	9505	9835	9915
30°	8961	9506	10670
35°	8350	9682	12486
40°	7652	10485	14434
45°	6928	11894	15515
50°	6179	13151	14438
55°	5473	13134	11032
60°	4759	11112	6745
65°	4011	7672	4086
70°	3180	4959	2950
75°	2333	3553	2735
80°	1575	3119	3085
85°	940	3427	4877



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.3	2.8
10°-20°	1719.8	7.8
20°-30°	2516.6	11.5
30°-40°	3268.3	14.9
40°-50°	3991.0	18.2
50°-60°	3514.7	16.0
60°-70°	1831.5	8.4
70°-80°	785.4	3.6
80°-90°	383.4	1.7
90°-100°	399.6	1.8
100°-110°	1117.4	5.1
110°-120°	898.8	4.1
120°-130°	430.0	2.0
130°-140°	217.5	1.0
140°-150°	125.3	0.6
150°-160°	71.5	0.3
160°-170°	35.6	0.2
170°-180°	10.9	0.0
0°-30°	4843.7	22.1
0°-40°	8111.9	37.0
0°-60°	15617.6	71.2
0°-90°	18618.0	84.9
90°-120°	2415.8	11.0
90°-150°	3188.6	14.5
90°-180°	3307.0	15.1
0°-180°	21924.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6355	6355	6355	6355	6355	
5°	6296	6344	6379	6435	6428	597
15°	5958	6125	6184	6137	6088	1678
25°	5279	5561	5467	5364	5369	2423
35°	4285	4737	4975	5801	6173	2671
45°	3155	3970	5426	6569	6706	2433
55°	2101	3477	5053	4430	3938	1885
65°	1205	2409	2313	1286	1106	1192
75°	485	1127	743	509	483	529
85°	103	402	378	370	374	115
90°	8	185	300	343	351	12
95°	53	185	332	403	423	189
105°	1199	1240	1249	988	910	1141
115°	841	849	907	931	925	850
125°	419	438	481	487	480	394
135°	251	256	276	294	296	198
145°	187	188	194	205	208	119
155°	153	156	155	157	157	70
165°	122	124	124	125	126	35
175°	112	112	112	112	113	11
180°	110	110	110	110	110	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6355.4	6355.4	6355.4	6355.4	6355.4
2.5°	6327.9	6355.4	6356.7	6395.1	6391.0
5°	6296.4	6344.4	6378.6	6434.8	6428.0
7.5°	6244.3	6319.7	6380.0	6441.7	6436.2
10°	6170.3	6273.1	6352.6	6403.3	6386.9
12.5°	6074.2	6210.0	6288.1	6299.1	6267.6
15°	5957.7	6125.0	6183.9	6137.4	6088.0
17.5°	5826.1	6022.2	6042.7	5941.2	5879.6
20°	5661.5	5885.0	5864.5	5724.6	5656.1
22.5°	5479.1	5734.2	5668.4	5521.6	5455.8
25°	5279.0	5561.4	5466.8	5364.0	5369.4
27.5°	5044.5	5365.3	5273.5	5320.1	5407.8
30°	4805.9	5159.7	5103.5	5374.9	5547.8
32.5°	4544.0	4948.5	4999.2	5535.4	5817.8
35°	4284.9	4737.4	4974.6	5801.4	6173.0
37.5°	3998.3	4523.4	5014.3	6108.5	6497.9
40°	3720.0	4315.0	5104.9	6384.1	6713.2
42.5°	3436.1	4128.6	5257.0	6547.3	6803.7
45°	3155.0	3969.5	5425.7	6569.2	6706.3
47.5°	2873.9	3835.1	5542.3	6395.1	6332.0
50°	2602.4	3715.8	5550.4	5976.9	5719.1
52.5°	2348.8	3606.1	5399.7	5310.5	4910.1
55°	2100.6	3477.3	5052.7	4430.2	3938.0
57.5°	1874.4	3299.1	4517.9	3484.2	2946.6
60°	1634.4	3057.7	3826.9	2549.0	2125.3
62.5°	1413.7	2757.4	3052.2	1774.3	1527.5
65°	1205.2	2409.2	2313.1	1286.1	1106.5
67.5°	984.5	2048.5	1707.1	937.9	822.7
70°	811.7	1714.0	1271.1	729.4	662.3
72.5°	634.9	1395.8	950.2	592.3	555.3
75°	485.4	1127.1	743.2	508.7	482.7
77.5°	357.8	891.3	597.8	449.8	425.0
80°	250.9	702.0	500.4	401.7	392.1
82.5°	168.6	543.0	426.4	382.6	384.0
85°	102.8	401.7	378.5	370.2	374.3
87.5°	49.4	285.2	325.0	337.3	341.4
90°	7.8	184.9	300.5	343.4	351.1
92.5°	20.2	159.6	281.6	332.6	344.4
95°	52.9	185.3	332.2	402.9	422.6
97.5°	305.1	394.9	460.3	551.0	574.5
100°	653.2	726.4	675.6	713.9	734.2
102.5°	1021.0	1084.1	957.4	846.9	825.4
105°	1199.4	1239.5	1249.3	988.3	910.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	986.3	1013.4	1062.2	1078.1	1055.0
115°	840.8	848.7	907.3	930.7	925.4
117.5°	721.8	728.7	780.4	793.7	786.2
120°	608.6	619.5	667.4	672.5	667.4
122.5°	505.9	524.1	566.8	573.8	564.6
125°	419.4	438.1	480.7	487.1	480.4
127.5°	359.9	366.1	407.6	417.3	418.6
130°	310.6	317.0	350.6	365.9	367.1
132.5°	276.6	283.1	310.3	326.5	331.7
135°	250.7	256.4	276.5	294.1	296.3
137.5°	229.7	234.6	249.0	266.8	270.3
140°	211.9	216.8	227.1	244.0	245.4
142.5°	198.8	202.2	210.4	223.7	225.1
145°	187.2	188.5	193.9	204.6	208.1
147.5°	177.5	179.4	183.4	189.7	191.9
150°	168.6	171.0	171.5	175.9	179.5
152.5°	160.5	163.0	163.4	164.3	167.8
155°	153.3	155.7	155.4	157.0	157.0
157.5°	135.8	138.2	140.6	141.5	141.5
160°	131.0	132.6	135.0	135.0	135.8
162.5°	126.1	127.7	129.3	130.1	131.0
165°	122.1	123.7	124.5	125.3	126.1
167.5°	118.8	119.6	120.4	121.2	121.2
170°	115.6	116.4	117.2	117.2	118.0
172.5°	113.2	114.0	114.8	114.8	114.8
175°	111.6	111.6	112.4	112.4	113.2
177.5°	109.9	110.7	110.7	110.7	111.6
180°	109.9	109.9	109.9	109.9	109.9



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1212.1	1250.2	1293.7	1176.4	1038.5
110°	1119.1	1159.8	1205.6	1181.5	1120.4



(END OF REPORT)