

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: P827637

Luminaire Tested: **OHB-30SE-N-UNV-L930-CD-UPL15**

Issue Date: 5/3/2024

Test Information

Test Method: LM-79-08
Report Number: P827637
REPORT IS A COMBINATION OF REPORTS P826104 AND G3-2310-221-10
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-30SE-N-UNV-L930-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

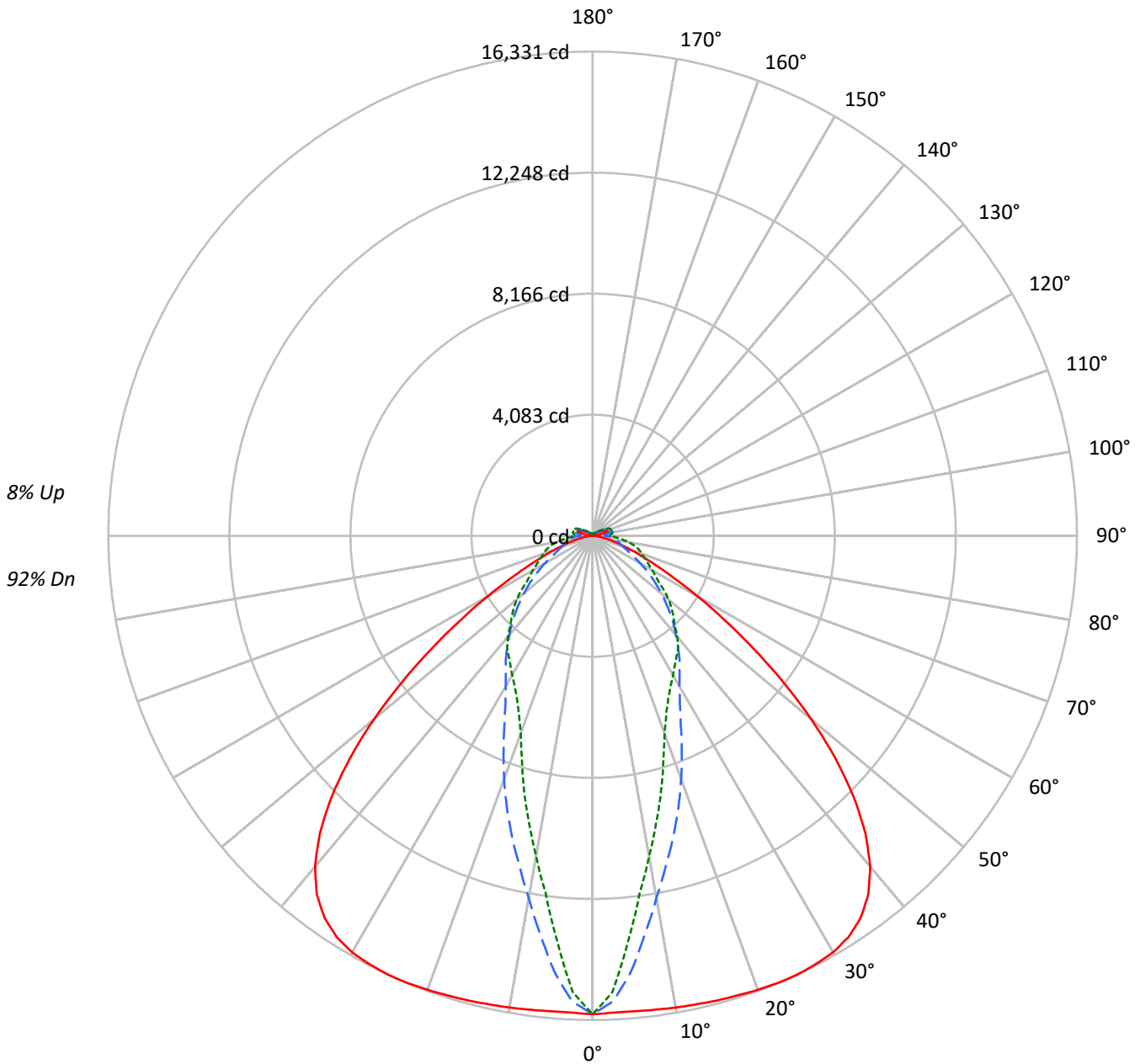
Lumens per Lamp: N/A
Luminaire Lumens: 25039.1 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 191.3
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	95	95	95	92																			
1	108	103	99	96	104	100	97	93	95	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	74	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	46	41	50	44	40	48	43	39	37																			
8	64	51	43	38	62	50	43	38	48	42	37	46	41	36	45	40	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°	53894	53894	53894
5°	53523	48953	45686
10°	53864	41129	36678
15°	54644	35084	30140
20°	55891	29586	24408
25°	57512	24421	21415
30°	59158	20977	19922
35°	60011	19057	19009
40°	58574	17154	18064
45°	53460	15441	16755
50°	44690	13580	15760
55°	33585	11833	14061
60°	23215	10082	13505
65°	15340	8612	13275
70°	10223	7995	14004
75°	6840	8119	15083
80°	4429	8776	15732
85°	2280	10501	16923



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1358.1	5.4
10°-20°	3194.8	12.8
20°-30°	4004.7	16.0
30°-40°	4249.4	17.0
40°-50°	3842.1	15.3
50°-60°	2785.8	11.1
60°-70°	1748.2	7.0
70°-80°	1156.9	4.6
80°-90°	669.6	2.7
90°-100°	440.6	1.8
100°-110°	630.8	2.5
110°-120°	488.0	1.9
120°-130°	234.8	0.9
130°-140°	114.7	0.5
140°-150°	65.5	0.3
150°-160°	35.7	0.1
160°-170°	14.8	0.1
170°-180°	4.5	0.0
0°-30°	8557.6	34.2
0°-40°	12807.0	51.1
0°-60°	19434.9	77.6
0°-90°	23009.6	91.9
90°-120°	1559.4	6.2
90°-150°	1974.5	7.9
90°-180°	2030.0	8.1
0°-180°	25039.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16133	16133	16133	16133	16133	
5°	16101	15688	14767	14082	13727	###
15°	16224	13224	10503	9340	8917	4601
25°	16331	10225	7032	6242	6044	7545
35°	15746	6798	5104	4944	4943	9789
45°	12448	4306	3699	3788	3852	9483
55°	6590	2669	2414	2618	2712	5955
65°	2357	1548	1397	1790	1990	2453
75°	728	834	938	1457	1545	811
85°	128	346	686	955	877	153
90°	2	162	421	591	600	10
95°	29	160	437	591	631	86
105°	524	572	685	642	626	497
115°	369	400	528	569	566	372
125°	189	205	273	294	292	177
135°	116	123	145	168	169	92
145°	92	95	100	114	112	58
155°	77	83	86	88	85	33
165°	51	51	52	52	52	15
175°	46	46	46	47	47	4
180°	46	46	46	46	46	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16133.3	16133.3	16133.3	16133.3	16133.3
2.5°	16099.5	16007.3	15720.2	15545.2	15397.8
5°	16101.0	15688.0	14766.7	14081.9	13727.2
7.5°	16124.1	15205.9	13546.0	12546.4	12156.4
10°	16159.4	14608.5	12406.7	11341.1	10977.2
12.5°	16185.5	13936.0	11404.0	10309.2	9910.0
15°	16223.9	13223.5	10502.7	9340.3	8916.6
17.5°	16259.2	12552.5	9612.1	8397.5	7926.1
20°	16294.5	11829.3	8721.5	7470.1	7081.6
22.5°	16328.3	11066.2	7852.5	6750.0	6484.3
25°	16331.3	10224.8	7032.5	6241.7	6043.7
27.5°	16291.4	9352.6	6367.6	5816.4	5693.6
30°	16222.4	8506.6	5851.7	5509.3	5421.8
32.5°	16050.3	7643.6	5452.5	5212.9	5162.3
35°	15746.3	6797.6	5103.9	4944.3	4942.7
37.5°	15267.2	6046.7	4726.2	4698.6	4732.3
40°	14559.4	5389.6	4368.5	4442.1	4442.1
42.5°	13615.1	4818.3	4044.4	4119.7	4099.7
45°	12448.1	4305.5	3698.9	3788.0	3852.5
47.5°	11095.3	3854.1	3345.8	3517.8	3606.9
50°	9624.3	3424.1	3023.3	3243.0	3344.2
52.5°	8082.8	3026.4	2708.6	2960.4	3041.8
55°	6590.3	2668.6	2413.8	2618.0	2711.6
57.5°	5239.1	2327.8	2125.1	2318.5	2512.1
60°	4076.7	2034.5	1853.3	2129.7	2323.2
62.5°	3113.9	1773.5	1598.4	1953.1	2146.6
65°	2356.9	1547.8	1397.3	1790.4	1990.0
67.5°	1776.6	1352.7	1240.6	1672.1	1867.2
70°	1334.3	1163.9	1114.8	1598.4	1773.5
72.5°	985.8	990.4	1014.9	1534.0	1667.5
75°	727.8	833.8	938.2	1457.2	1544.7
77.5°	520.6	691.0	869.1	1365.0	1395.7
80°	360.8	563.5	796.9	1243.7	1217.7
82.5°	225.7	451.5	732.4	1110.2	1038.0
85°	127.5	345.5	686.4	955.0	876.7
87.5°	56.8	257.9	600.3	744.7	695.6
90°	2.4	162.2	421.1	591.1	599.8
92.5°	11.2	142.4	404.2	564.6	588.0
95°	28.8	159.6	436.6	590.8	630.9
97.5°	141.9	240.2	493.5	632.2	665.2
100°	281.6	374.1	544.2	660.7	681.7
102.5°	448.9	497.3	590.7	651.4	658.8
105°	524.0	572.0	684.9	641.7	625.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	426.8	469.3	601.7	637.9	631.0
115°	369.3	400.0	527.7	569.0	566.3
117.5°	320.7	342.2	454.4	491.1	491.1
120°	270.6	292.3	385.3	415.9	415.1
122.5°	227.0	245.7	326.6	350.3	347.9
125°	189.0	204.8	272.7	294.1	291.7
127.5°	162.4	171.1	228.3	249.8	246.6
130°	143.0	150.1	191.8	214.1	214.1
132.5°	127.7	134.0	165.7	188.0	188.8
135°	116.4	122.7	145.1	168.2	169.0
137.5°	108.3	114.5	130.1	150.8	151.6
140°	100.2	105.7	117.4	136.6	137.4
142.5°	96.1	99.3	107.0	124.0	124.0
145°	92.0	95.1	99.8	113.7	112.2
147.5°	87.9	92.6	95.8	103.5	102.7
150°	83.9	90.1	90.9	96.4	94.8
152.5°	80.7	86.1	87.7	90.8	90.0
155°	77.4	82.9	86.0	87.5	85.3
157.5°	56.6	57.4	58.2	59.0	59.0
160°	54.2	55.0	55.8	55.8	56.6
162.5°	52.5	53.4	53.4	54.2	54.2
165°	50.9	50.9	51.7	51.7	51.7
167.5°	49.3	49.3	50.1	50.1	50.9
170°	47.7	48.5	48.5	48.5	49.3
172.5°	46.9	46.9	47.7	47.7	47.7
175°	46.1	46.1	46.1	46.9	46.9
177.5°	45.3	46.1	46.1	46.1	46.1
180°	46.1	46.1	46.1	46.1	46.1



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	524.0	575.5	707.9	667.8	619.6
110°	485.9	532.9	668.5	684.1	644.7



(END OF REPORT)