

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: P827769

Luminaire Tested: **OHBL-30HE-N-UNV-L930-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827769
REPORT IS A COMBINATION OF REPORTS P826122 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: OHBL-30HE-N-UNV-L930-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

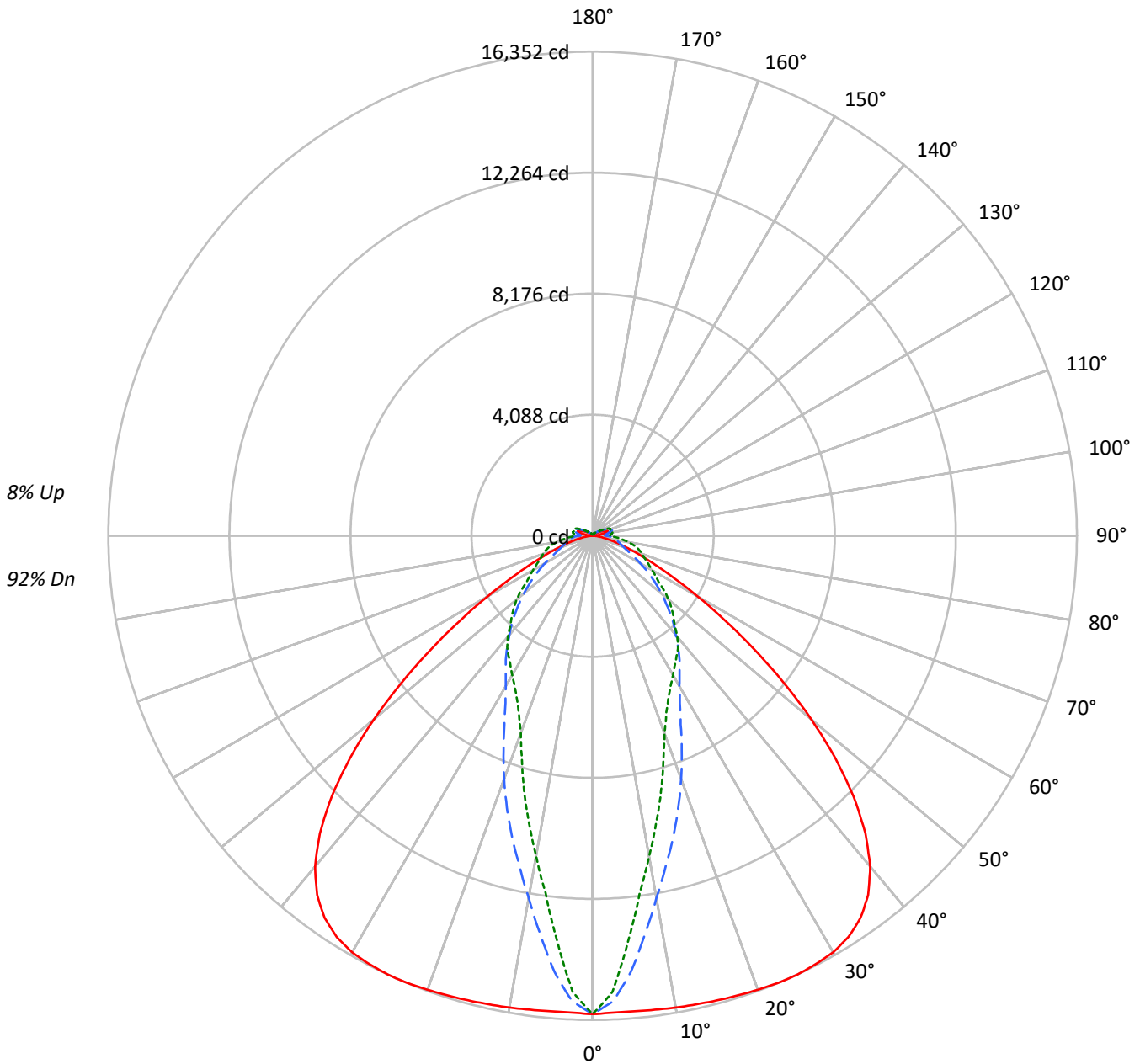
Lumens per Lamp: N/A
Luminaire Lumens: 25069.0 lumens
Efficiency: N/A
Efficacy: 144.0 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174.1
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

TEST NUMBER: P827769

CATALOG NUMBER: OHBL-30HE-N-UNV-L930-CD-UPL15

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°	25547	25547	25547
5°	25387	23275	21736
10°	25565	19614	17514
15°	25952	16783	14446
20°	26562	14197	11745
25°	27352	11757	10347
30°	28156	10134	9667
35°	28585	9241	9268
40°	27925	8352	8855
45°	25513	7553	8263
50°	21352	6678	7827
55°	16069	5855	7042
60°	11126	5028	6835
65°	7368	4337	6812
70°	4925	4078	7324
75°	3309	4218	8116
80°	2157	4694	8882
85°	1125	5924	10591



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1359.8	5.4
10°-20°	3198.8	12.8
20°-30°	4009.7	16.0
30°-40°	4254.7	17.0
40°-50°	3847.0	15.3
50°-60°	2789.3	11.1
60°-70°	1750.4	7.0
70°-80°	1158.4	4.6
80°-90°	670.4	2.7
90°-100°	441.0	1.8
100°-110°	631.0	2.5
110°-120°	488.2	1.9
120°-130°	234.9	0.9
130°-140°	114.8	0.5
140°-150°	65.6	0.3
150°-160°	35.7	0.1
160°-170°	14.8	0.1
170°-180°	4.5	0.0
0°-30°	8568.3	34.2
0°-40°	12823.0	51.2
0°-60°	19459.3	77.6
0°-90°	23038.5	91.9
90°-120°	1560.2	6.2
90°-150°	1975.4	7.9
90°-180°	2030.0	8.1
0°-180°	25069.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16154	16154	16154	16154	16154	
5°	16121	15708	14785	14100	13744	###
15°	16244	13240	10516	9352	8928	4607
25°	16352	10238	7041	6250	6051	7554
35°	15766	6806	5110	4950	4949	9801
45°	12464	4311	3704	3793	3857	9495
55°	6599	2672	2417	2621	2715	5962
65°	2360	1550	1399	1793	1992	2456
75°	729	835	939	1459	1547	812
85°	128	346	687	956	878	153
90°	2	162	422	592	600	10
95°	29	160	437	591	632	86
105°	524	572	685	642	626	497
115°	369	400	528	569	567	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	



TEST NUMBER: P827769

CATALOG NUMBER: OHBL-30HE-N-UNV-L930-CD-UPL15

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16153.6	16153.6	16153.6	16153.6	16153.6
2.5°	16119.7	16027.5	15739.9	15564.7	15417.1
5°	16121.2	15707.7	14785.2	14099.6	13744.4
7.5°	16144.3	15225.0	13563.0	12562.1	12171.6
10°	16179.7	14626.9	12422.2	11355.3	10990.9
12.5°	16205.8	13953.5	11418.4	10322.2	9922.5
15°	16244.3	13240.2	10515.9	9352.0	8927.7
17.5°	16279.6	12568.3	9624.2	8408.0	7936.1
20°	16315.0	11844.2	8732.5	7479.5	7090.5
22.5°	16348.8	11080.1	7862.3	6758.5	6492.5
25°	16351.9	10237.6	7041.3	6249.5	6051.3
27.5°	16311.9	9364.4	6375.6	5823.7	5700.7
30°	16242.7	8517.2	5859.0	5516.2	5428.6
32.5°	16070.6	7653.2	5459.3	5219.5	5168.7
35°	15766.1	6806.1	5110.4	4950.5	4948.9
37.5°	15286.5	6054.3	4732.1	4704.5	4738.3
40°	14577.7	5396.3	4373.9	4447.7	4447.7
42.5°	13632.2	4824.4	4049.5	4124.8	4104.9
45°	12463.8	4310.9	3703.6	3792.8	3857.4
47.5°	11109.3	3858.9	3350.0	3522.2	3611.4
50°	9636.5	3428.4	3027.1	3247.0	3348.4
52.5°	8092.9	3030.2	2712.0	2964.2	3045.6
55°	6598.6	2672.0	2416.8	2621.3	2715.0
57.5°	5245.6	2330.7	2127.8	2321.5	2515.2
60°	4081.8	2037.1	1855.7	2132.4	2326.1
62.5°	3117.8	1775.7	1600.4	1955.6	2149.3
65°	2359.9	1549.7	1399.1	1792.6	1992.5
67.5°	1778.8	1354.4	1242.2	1674.2	1869.5
70°	1336.0	1165.4	1116.1	1600.4	1775.7
72.5°	987.1	991.7	1016.2	1535.8	1669.6
75°	728.7	834.8	939.4	1459.0	1546.7
77.5°	521.2	691.9	870.2	1366.7	1397.5
80°	361.3	564.2	797.9	1245.3	1219.1
82.5°	226.0	452.0	733.3	1111.5	1039.3
85°	127.6	345.9	687.2	956.3	877.8
87.5°	56.9	258.3	601.2	745.6	696.5
90°	2.4	162.3	421.6	591.9	600.5
92.5°	11.2	142.6	404.7	565.3	588.7
95°	28.8	159.6	437.0	591.4	631.5
97.5°	141.9	240.3	493.9	632.8	665.7
100°	281.6	374.2	544.6	661.2	682.2
102.5°	448.9	497.4	591.1	651.8	659.3
105°	524.0	572.1	685.2	642.1	626.3



TEST NUMBER: P827769

CATALOG NUMBER: OHBL-30HE-N-UNV-L930-CD-UPL15

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	426.8	469.4	602.0	638.2	631.3
115°	369.3	400.1	527.8	569.3	566.6
117.5°	320.7	342.2	454.6	491.4	491.3
120°	270.6	292.3	385.4	416.0	415.2
122.5°	227.0	245.7	326.6	350.4	348.1
125°	189.0	204.8	272.7	294.2	291.8
127.5°	162.4	171.1	228.4	249.9	246.7
130°	143.0	150.1	191.9	214.2	214.2
132.5°	127.7	134.0	165.8	188.1	188.9
135°	116.4	122.7	145.1	168.3	169.1
137.5°	108.3	114.5	130.1	150.9	151.7
140°	100.2	105.7	117.4	136.7	137.5
142.5°	96.1	99.3	107.0	124.1	124.1
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	708.2	668.2	620.0
110°	485.9	533.0	668.8	684.4	645.1



(END OF REPORT)