

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: P828374

Luminaire Tested: **OHBL-30HE-W-UNV-L940-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828374
REPORT IS A COMBINATION OF REPORTS P826280 AND G3-2310-221-4
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-W-UNV-L940-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

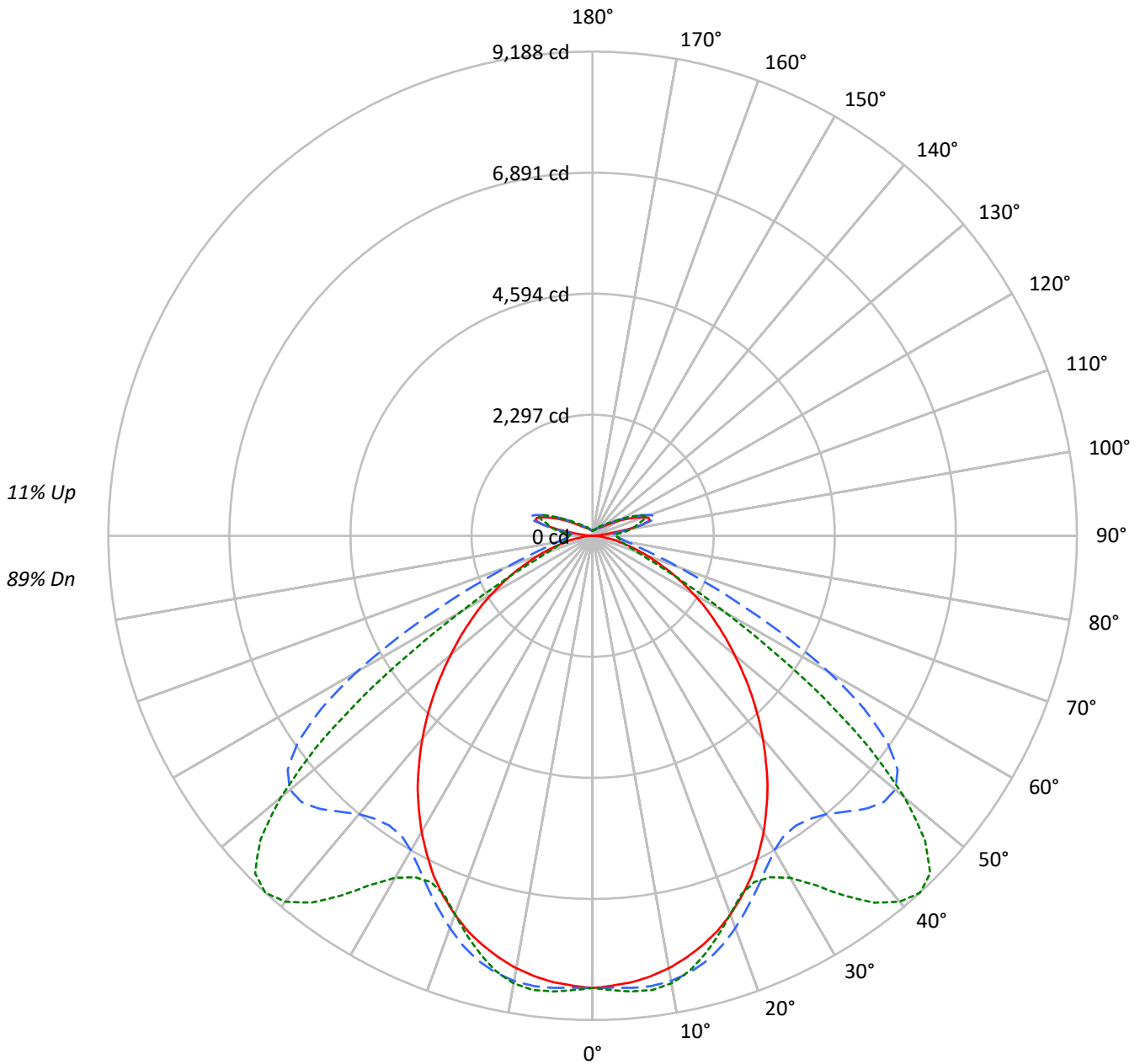
Lumens per Lamp: N/A
Luminaire Lumens: 28360.3 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 187
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					20					
RC	80					70					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	50	30	10	0		
RCR																										
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89					89			
1	107	102	98	94	103	99	95	92	92	89	87	87	84	82	81	79	78	75					75			
2	97	89	83	77	94	87	81	76	81	76	72	76	72	69	72	69	66	63					63			
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	63	59	56	53					53			
4	81	70	61	55	78	67	60	54	64	57	52	60	54	50	57	52	48	45					45			
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	41	39					39			
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	46	40	36	34					34			
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30					30			
8	59	46	37	31	57	44	37	31	42	35	30	40	34	29	38	33	28	26					26			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24					24			
10	51	38	30	25	49	37	30	25	36	29	24	34	28	24	32	27	23	21					21			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13573	13573	13573
5°	13390	13560	13727
10°	13166	13545	13744
15°	12854	13328	13303
20°	12448	12875	12652
25°	11925	12327	12398
30°	11250	11920	13341
35°	10491	12147	15612
40°	9623	13164	18048
45°	8721	14943	19400
50°	7787	16537	18053
55°	6908	16531	13794
60°	6016	14002	8434
65°	5081	9682	5109
70°	4041	6271	3688
75°	2977	4507	3420
80°	2023	3975	3859
85°	1224	4406	6099



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	820.1	2.9
10°-20°	2322.4	8.2
20°-30°	3398.4	12.0
30°-40°	4413.6	15.6
40°-50°	5389.6	19.0
50°-60°	4746.4	16.7
60°-70°	2473.4	8.7
70°-80°	1060.6	3.7
80°-90°	515.0	1.8
90°-100°	445.1	1.6
100°-110°	1079.2	3.8
110°-120°	854.0	3.0
120°-130°	409.3	1.4
130°-140°	206.3	0.7
140°-150°	118.1	0.4
150°-160°	66.5	0.2
160°-170°	32.4	0.1
170°-180°	9.9	0.0
0°-30°	6541.0	23.1
0°-40°	10954.6	38.6
0°-60°	21090.5	74.4
0°-90°	25139.6	88.6
90°-120°	2378.4	8.4
90°-150°	3112.0	11.0
90°-180°	3221.0	11.4
0°-180°	28360.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8582	8582	8582	8582	8582	
5°	8503	8568	8614	8690	8680	806
15°	8046	8271	8351	8288	8221	2265
25°	7129	7510	7382	7244	7251	3272
35°	5786	6398	6718	7834	8336	3607
45°	4261	5361	7327	8871	9056	3285
55°	2837	4696	6823	5983	5318	2546
65°	1628	3253	3124	1737	1494	1610
75°	656	1522	1004	687	652	715
85°	139	542	511	500	506	155
90°	8	232	384	438	447	14
95°	53	215	390	469	489	182
105°	1118	1184	1207	985	895	1056
115°	778	804	873	901	889	780
125°	390	407	462	470	467	364
135°	233	237	261	286	287	184
145°	176	176	182	194	198	111
155°	144	147	145	147	147	65
165°	111	112	113	115	115	32
175°	101	102	102	103	103	10
180°	100	100	100	100	100	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8582.5	8582.5	8582.5	8582.5	8582.5
2.5°	8545.4	8582.5	8584.3	8636.1	8630.5
5°	8502.8	8567.6	8613.9	8689.8	8680.5
7.5°	8432.5	8534.3	8615.8	8699.1	8691.7
10°	8332.5	8471.3	8578.7	8647.2	8625.0
12.5°	8202.9	8386.1	8491.7	8506.5	8464.0
15°	8045.5	8271.4	8351.0	8288.0	8221.4
17.5°	7867.7	8132.4	8160.3	8023.2	7939.9
20°	7645.5	7947.3	7919.5	7730.7	7638.1
22.5°	7399.2	7743.6	7654.8	7456.6	7367.8
25°	7128.8	7510.3	7382.5	7243.7	7251.1
27.5°	6812.3	7245.5	7121.4	7184.4	7302.9
30°	6490.1	6967.8	6891.8	7258.5	7491.8
32.5°	6136.4	6682.6	6751.1	7475.1	7856.6
35°	5786.4	6397.5	6717.8	7834.4	8336.1
37.5°	5399.4	6108.6	6771.5	8249.1	8775.0
40°	5023.6	5827.2	6893.7	8621.3	9065.7
42.5°	4640.2	5575.3	7099.3	8841.6	9187.9
45°	4260.6	5360.6	7327.0	8871.3	9056.5
47.5°	3881.1	5179.1	7484.4	8636.1	8551.0
50°	3514.5	5018.0	7495.5	8071.4	7723.3
52.5°	3171.9	4869.8	7291.9	7171.4	6630.8
55°	2836.7	4695.8	6823.3	5982.7	5318.0
57.5°	2531.2	4455.1	6101.2	4705.1	3979.2
60°	2207.2	4129.2	5168.0	3442.2	2870.0
62.5°	1909.0	3723.7	4121.8	2396.0	2062.8
65°	1627.6	3253.4	3123.7	1736.9	1494.3
67.5°	1329.5	2766.4	2305.3	1266.5	1111.0
70°	1096.2	2314.5	1716.5	985.1	894.3
72.5°	857.4	1885.0	1283.2	799.9	749.9
75°	655.5	1522.0	1003.6	686.9	651.8
77.5°	483.3	1203.6	807.3	607.3	574.0
80°	338.8	948.0	675.8	542.5	529.6
82.5°	227.8	733.3	575.8	516.6	518.4
85°	138.9	542.5	511.1	499.9	505.5
87.5°	66.7	385.2	438.8	455.5	461.1
90°	7.9	231.9	383.9	438.2	447.4
92.5°	18.3	194.3	353.7	414.8	425.9
95°	53.3	214.8	390.2	468.6	489.2
97.5°	306.3	395.2	501.6	592.3	631.7
100°	602.9	712.7	685.1	739.3	749.2
102.5°	948.0	1032.1	942.0	854.1	831.7
105°	1117.7	1183.7	1207.0	984.8	895.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	901.4	941.7	1020.4	1035.0	1017.8
115°	778.0	803.9	873.4	900.9	889.0
117.5°	659.8	684.5	747.4	762.7	757.5
120°	557.2	579.8	631.8	648.9	643.7
122.5°	467.7	490.0	544.4	555.1	549.1
125°	390.3	407.2	462.0	470.1	466.7
127.5°	331.1	340.7	389.3	407.0	404.5
130°	286.7	293.7	335.7	356.0	358.8
132.5°	256.3	262.4	294.4	315.5	318.4
135°	232.8	237.2	260.9	285.6	287.4
137.5°	212.0	218.1	235.4	257.4	261.0
140°	197.2	201.5	213.3	233.5	236.2
142.5°	186.0	187.6	197.5	214.1	216.8
145°	176.5	175.5	181.6	194.5	198.1
147.5°	166.1	167.7	171.2	180.3	182.2
150°	158.2	160.8	160.7	165.2	169.8
152.5°	151.3	153.0	152.0	153.7	157.4
155°	144.3	146.9	145.0	146.8	146.8
157.5°	124.3	126.1	127.8	128.7	129.5
160°	120.0	120.9	122.6	123.5	124.3
162.5°	114.8	116.5	117.4	118.2	119.1
165°	111.3	112.2	113.0	114.8	114.8
167.5°	107.8	108.7	109.6	110.4	110.4
170°	105.2	106.1	106.9	106.9	106.9
172.5°	102.6	103.5	104.3	104.3	104.3
175°	100.9	101.7	101.7	102.6	102.6
177.5°	100.0	100.9	100.9	100.9	101.7
180°	100.0	100.0	100.0	100.0	100.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1118.6	1182.4	1239.7	1136.5	1018.5
110°	1026.5	1085.5	1150.8	1136.1	1078.9



(END OF REPORT)