

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: P828098

Luminaire Tested: **OHBL-36HE-W-UNV-L935-CD-UPL36**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828098
REPORT IS A COMBINATION OF REPORTS P826316 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-36HE-W-UNV-L935-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

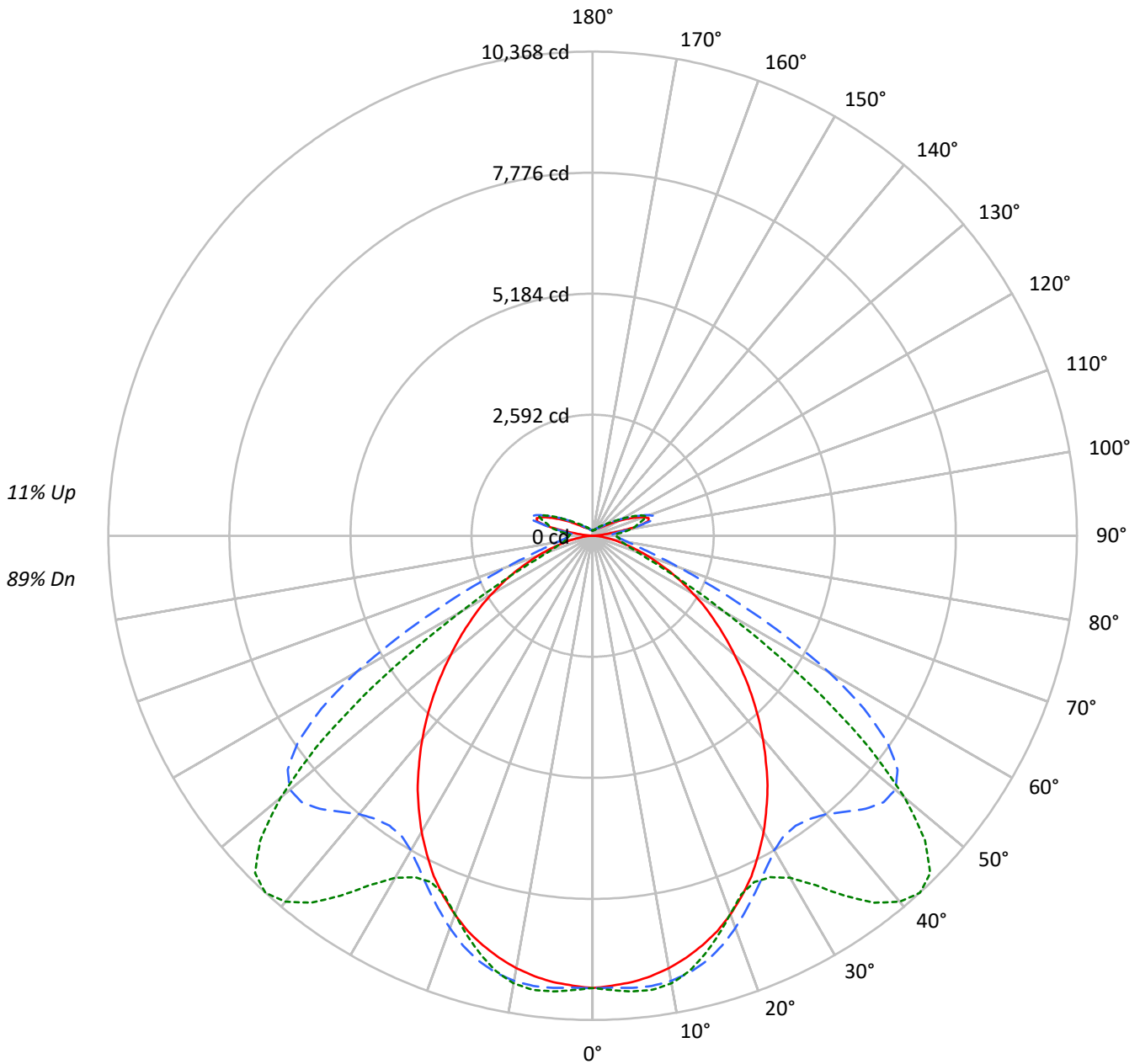
Lumens per Lamp: N/A
Luminaire Lumens: 31982.6 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 240.8
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				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	0
RCR																					
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89			
1	107	102	98	94	103	99	95	92	92	90	87	87	84	82	81	80	78	75			
2	97	89	83	77	94	87	81	76	81	76	72	76	72	69	72	69	66	63			
3	89	79	71	64	85	76	69	63	72	66	61	67	62	58	63	59	56	53			
4	81	70	61	55	78	67	60	54	64	57	52	60	54	50	57	52	48	45			
5	74	62	53	47	72	60	52	46	57	50	44	54	48	43	51	46	41	39			
6	69	56	47	41	66	54	46	40	51	44	39	48	42	37	46	40	36	34			
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	42	36	32	30			
8	59	46	37	31	57	44	37	31	42	35	30	40	34	29	38	33	29	26			
9	55	42	34	28	53	41	33	28	39	32	27	37	31	26	35	30	26	24			
10	51	38	30	25	50	37	30	25	36	29	24	34	28	24	32	27	23	21			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15316	15316	15316
5°	15109	15302	15491
10°	14857	15285	15509
15°	14504	15039	15012
20°	14046	14529	14276
25°	13456	13910	13990
30°	12695	13451	15055
35°	11839	13708	17617
40°	10859	14855	20366
45°	9841	16862	21891
50°	8787	18660	20372
55°	7795	18655	15566
60°	6789	15800	9517
65°	5734	10926	5765
70°	4560	7077	4162
75°	3359	5085	3859
80°	2283	4487	4354
85°	1382	4972	6882



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	925.5	2.9
10°-20°	2620.7	8.2
20°-30°	3834.9	12.0
30°-40°	4980.4	15.6
40°-50°	6081.7	19.0
50°-60°	5355.9	16.7
60°-70°	2791.0	8.7
70°-80°	1196.9	3.7
80°-90°	581.2	1.8
90°-100°	499.3	1.6
100°-110°	1206.2	3.8
110°-120°	958.7	3.0
120°-130°	460.7	1.4
130°-140°	233.0	0.7
140°-150°	133.4	0.4
150°-160°	75.2	0.2
160°-170°	36.7	0.1
170°-180°	11.2	0.0
0°-30°	7381.1	23.1
0°-40°	12361.5	38.7
0°-60°	23799.1	74.4
0°-90°	28368.2	88.7
90°-120°	2664.2	8.3
90°-150°	3491.3	10.9
90°-180°	3614.0	11.3
0°-180°	31982.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9685	9685	9685	9685	9685	
5°	9595	9668	9720	9806	9795	910
15°	9079	9334	9423	9352	9277	2556
25°	8044	8475	8331	8174	8182	3692
35°	6530	7219	7581	8840	9407	4070
45°	4808	6049	8268	10011	10220	3707
55°	3201	5299	7700	6751	6001	2873
65°	1837	3671	3525	1960	1686	1817
75°	740	1718	1132	775	736	807
85°	157	612	577	564	570	175
90°	9	262	433	495	506	16
95°	56	233	440	530	554	195
105°	1239	1302	1351	1095	1016	1179
115°	871	888	974	1008	1003	881
125°	437	458	518	532	526	410
135°	262	268	296	321	324	207
145°	198	198	205	220	225	126
155°	163	166	164	166	166	74
165°	126	128	128	129	130	36
175°	115	115	116	116	117	11
180°	113	113	113	113	113	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9684.7	9684.7	9684.7	9684.7	9684.7
2.5°	9642.8	9684.7	9686.8	9745.2	9739.0
5°	9594.8	9667.9	9720.2	9805.8	9795.4
7.5°	9515.4	9630.3	9722.3	9816.2	9807.9
10°	9402.6	9559.2	9680.4	9757.8	9732.7
12.5°	9256.3	9463.2	9582.3	9599.0	9550.9
15°	9078.7	9333.6	9423.4	9352.4	9277.2
17.5°	8878.1	9176.9	9208.2	9053.6	8959.6
20°	8627.3	8967.9	8936.6	8723.5	8619.0
22.5°	8349.5	8738.1	8637.8	8414.2	8313.9
25°	8044.4	8474.8	8330.7	8173.9	8182.3
27.5°	7687.1	8176.1	8036.1	8107.1	8240.8
30°	7323.6	7862.7	7777.0	8190.7	8453.9
32.5°	6924.5	7540.8	7618.2	8435.2	8865.6
35°	6529.6	7219.1	7580.6	8840.5	9406.8
37.5°	6092.8	6893.1	7641.2	9308.5	9901.9
40°	5668.7	6575.5	7779.1	9728.5	10230.0
42.5°	5236.2	6291.3	8011.0	9977.2	10367.9
45°	4807.8	6049.0	8268.0	10010.6	10219.5
47.5°	4379.5	5844.3	8445.6	9745.2	9649.1
50°	3965.8	5662.4	8458.1	9107.9	8715.2
52.5°	3579.3	5495.2	8228.2	8092.5	7482.3
55°	3201.1	5298.8	7699.7	6751.0	6000.9
57.5°	2856.2	5027.2	6884.8	5309.3	4490.2
60°	2490.7	4659.5	5831.7	3884.3	3238.7
62.5°	2154.2	4201.9	4651.2	2703.8	2327.7
65°	1836.7	3671.2	3524.9	1959.9	1686.2
67.5°	1500.2	3121.7	2601.3	1429.2	1253.7
70°	1237.0	2611.8	1936.9	1111.6	1009.2
72.5°	967.4	2127.1	1448.0	902.7	846.2
75°	739.7	1717.5	1132.5	775.2	735.5
77.5°	545.3	1358.2	911.0	685.3	647.8
80°	382.3	1069.8	762.7	612.3	597.6
82.5°	257.0	827.4	649.8	583.0	585.1
85°	156.8	612.3	576.7	564.2	570.4
87.5°	75.2	434.6	495.2	514.0	520.2
90°	8.8	262.3	432.8	494.6	505.9
92.5°	20.8	219.3	398.5	468.7	484.1
95°	55.8	232.9	440.5	530.2	554.0
97.5°	315.8	441.6	562.5	673.4	699.8
100°	675.4	778.6	774.9	831.2	854.2
102.5°	1054.6	1144.0	1057.3	958.3	937.4
105°	1239.2	1301.5	1351.4	1095.2	1016.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1020.8	1061.0	1139.6	1165.5	1143.0
115°	870.8	888.4	974.5	1007.5	1003.3
117.5°	748.8	763.4	839.1	860.8	853.8
120°	632.2	648.8	717.8	731.2	726.6
122.5°	526.3	548.4	610.7	625.3	616.6
125°	437.2	458.4	518.5	531.9	525.7
127.5°	375.0	382.2	439.8	456.5	458.6
130°	324.2	330.8	377.7	400.2	402.8
132.5°	289.2	295.8	333.4	356.8	363.5
135°	262.5	268.3	295.9	321.4	324.3
137.5°	240.8	245.8	265.5	290.6	295.6
140°	222.5	227.5	240.9	265.1	267.2
142.5°	209.7	212.5	223.0	242.2	244.3
145°	198.4	198.3	204.7	219.7	224.7
147.5°	188.4	189.7	193.8	203.0	205.9
150°	179.2	181.8	180.8	186.8	191.8
152.5°	170.9	173.4	172.5	173.3	178.4
155°	163.4	165.9	164.2	165.8	165.8
157.5°	140.0	142.5	145.0	145.8	145.8
160°	135.0	136.7	139.2	139.2	140.0
162.5°	130.0	131.7	133.3	134.2	135.0
165°	125.8	127.5	128.3	129.2	130.0
167.5°	122.5	123.3	124.2	125.0	125.0
170°	119.2	120.0	120.8	120.8	121.7
172.5°	116.7	117.5	118.3	118.3	118.3
175°	115.0	115.0	115.8	115.8	116.7
177.5°	113.3	114.2	114.2	114.2	115.0
180°	113.3	113.3	113.3	113.3	113.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1252.9	1309.8	1390.5	1281.0	<i>1140.2</i>
110°	1157.1	1213.9	1292.9	1278.9	<i>1217.2</i>



(END OF REPORT)