

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: P827793

Luminaire Tested: **OHBL-36HE-N-UNV-L930-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827793
REPORT IS A COMBINATION OF REPORTS P826170 AND G3-2310-221-8
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36HE-N-UNV-L930-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

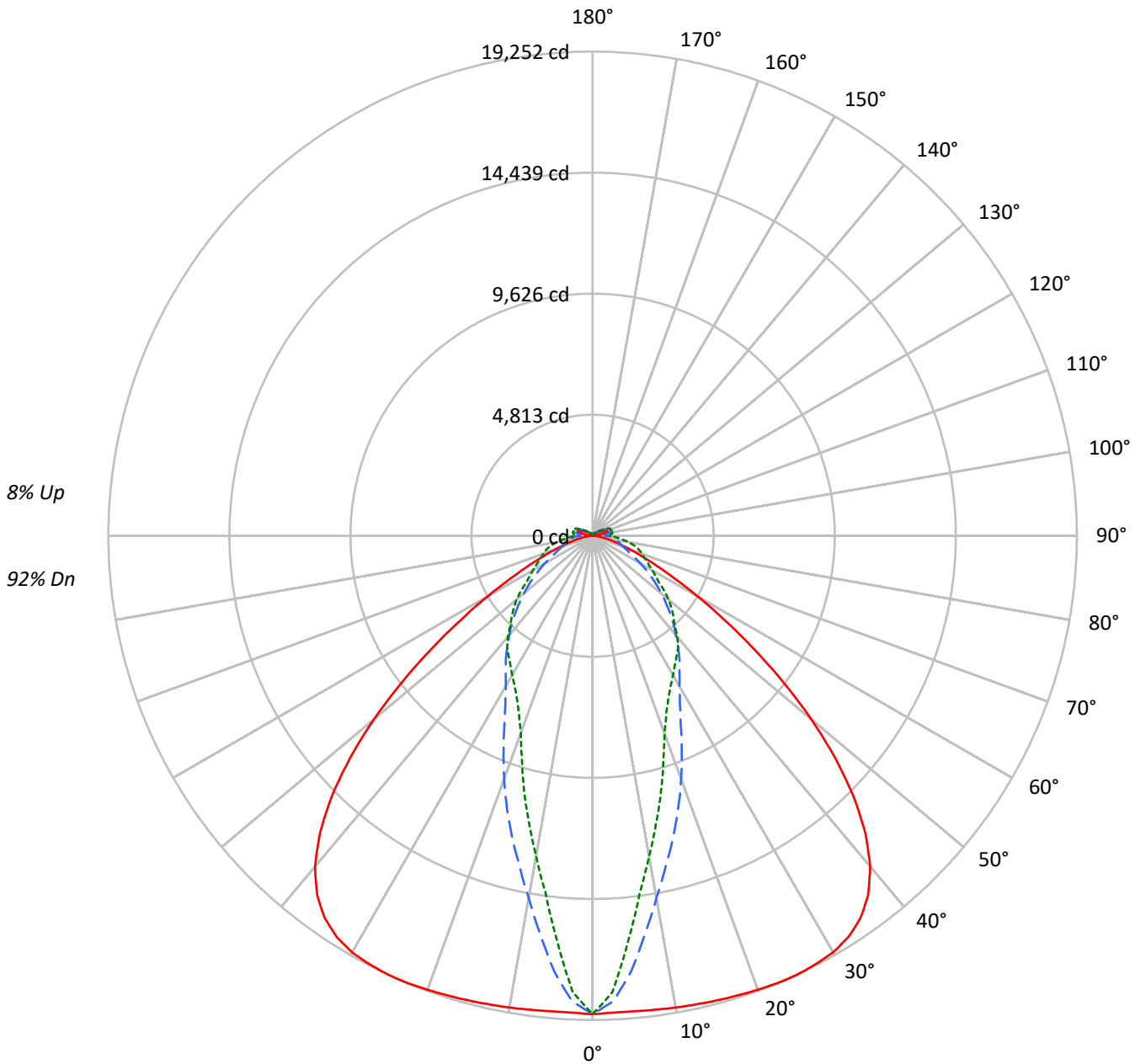
Lumens per Lamp: N/A
Luminaire Lumens: 29516.2 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 224.3
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°	30077	30077	30077
5°	29890	27403	25591
10°	30099	23093	20620
15°	30555	19759	17009
20°	31273	16715	13828
25°	32203	13842	12182
30°	33150	11931	11382
35°	33654	10880	10912
40°	32878	9834	10425
45°	30038	8893	9728
50°	25139	7863	9215
55°	18918	6894	8292
60°	13099	5919	8048
65°	8675	5105	8020
70°	5798	4801	8623
75°	3896	4966	9554
80°	2540	5526	10458
85°	1325	6975	12470



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1601.0	5.4
10°-20°	3766.2	12.8
20°-30°	4720.8	16.0
30°-40°	5009.3	17.0
40°-50°	4529.2	15.3
50°-60°	3284.0	11.1
60°-70°	2060.9	7.0
70°-80°	1363.8	4.6
80°-90°	789.3	2.7
90°-100°	519.1	1.8
100°-110°	743.4	2.5
110°-120°	575.1	1.9
120°-130°	276.8	0.9
130°-140°	135.2	0.5
140°-150°	77.2	0.3
150°-160°	42.2	0.1
160°-170°	17.4	0.1
170°-180°	5.3	0.0
0°-30°	10088.0	34.2
0°-40°	15097.3	51.1
0°-60°	22910.6	77.6
0°-90°	27124.6	91.9
90°-120°	1837.5	6.2
90°-150°	2326.8	7.9
90°-180°	2392.0	8.1
0°-180°	29516.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19018	19018	19018	19018	19018	
5°	18980	18494	17408	16600	16182	###
15°	19125	15588	12381	11011	10511	5424
25°	19252	12053	8290	7358	7124	8894
35°	18562	8013	6017	5828	5827	11539
45°	14674	5075	4360	4466	4542	11179
55°	7769	3146	2845	3086	3197	7019
65°	2778	1825	1647	2111	2346	2891
75°	858	983	1106	1718	1821	956
85°	150	407	809	1126	1034	180
90°	3	190	496	697	707	12
95°	38	186	517	696	741	103
105°	613	673	806	755	738	583
115°	435	476	621	667	672	438
125°	224	241	321	347	344	209
135°	138	144	171	198	199	109
145°	109	112	118	134	132	68
155°	91	98	101	104	100	39
165°	60	61	61	61	61	17
175°	54	54	55	55	55	5
180°	54	54	54	54	54	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19018.5	19018.5	19018.5	19018.5	19018.5
2.5°	18978.7	18870.1	18531.6	18325.2	18151.4
5°	18980.5	18493.6	17407.5	16600.3	16182.1
7.5°	19007.6	17925.2	15968.5	14790.2	14330.4
10°	19049.3	17221.1	14625.4	13369.3	12940.3
12.5°	19080.1	16428.2	13443.5	12152.9	11682.3
15°	19125.3	15588.4	12380.9	11010.7	10511.2
17.5°	19167.0	14797.4	11331.1	9899.3	9343.6
20°	19208.6	13944.9	10281.3	8806.1	8348.1
22.5°	19248.4	13045.2	9256.7	7957.1	7643.9
25°	19252.0	12053.3	8290.2	7357.9	7124.5
27.5°	19204.9	11025.2	7506.4	6856.6	6711.8
30°	19123.5	10027.9	6898.2	6494.6	6391.4
32.5°	18920.7	9010.6	6427.6	6145.2	6085.5
35°	18562.3	8013.3	6016.7	5828.5	5826.6
37.5°	17997.6	7128.1	5571.4	5538.9	5578.6
40°	17163.2	6353.3	5149.6	5236.5	5236.5
42.5°	16049.9	5680.0	4767.7	4856.5	4832.9
45°	14674.3	5075.4	4360.5	4465.5	4541.5
47.5°	13079.6	4543.3	3944.2	4146.9	4251.9
50°	11345.6	4036.5	3564.0	3822.9	3942.3
52.5°	9528.2	3567.7	3193.0	3489.8	3585.8
55°	7768.9	3146.0	2845.4	3086.2	3196.6
57.5°	6176.0	2744.0	2505.2	2733.2	2961.3
60°	4805.8	2398.3	2184.8	2510.6	2738.6
62.5°	3670.8	2090.7	1884.3	2302.5	2530.5
65°	2778.5	1824.6	1647.1	2110.6	2345.9
67.5°	2094.2	1594.7	1462.5	1971.2	2201.1
70°	1572.9	1372.1	1314.1	1884.3	2090.7
72.5°	1162.1	1167.5	1196.5	1808.2	1965.8
75°	858.0	982.9	1106.0	1717.8	1820.9
77.5°	613.6	814.6	1024.5	1609.1	1645.4
80°	425.3	664.3	939.4	1466.2	1435.4
82.5°	266.1	532.1	863.4	1308.7	1223.6
85°	150.3	407.2	809.1	1125.8	1033.5
87.5°	67.0	304.1	707.8	877.8	820.0
90°	3.2	190.4	496.3	697.0	706.6
92.5°	14.1	167.9	477.1	666.0	690.6
95°	38.0	185.8	517.0	696.1	740.8
97.5°	166.7	277.2	579.7	749.2	783.9
100°	335.8	435.2	642.7	779.6	802.5
102.5°	521.1	594.5	694.6	767.7	777.3
105°	613.4	672.9	806.5	754.7	738.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	504.7	551.4	706.4	753.2	742.1
115°	434.6	475.6	621.4	667.3	671.9
117.5°	375.0	404.6	534.6	578.3	580.9
120°	316.8	344.1	456.0	491.5	489.9
122.5°	268.3	290.0	384.5	412.9	409.5
125°	223.8	240.7	320.6	346.9	343.5
127.5°	191.3	202.2	269.2	293.7	290.3
130°	168.6	177.9	226.3	252.4	253.2
132.5°	151.5	157.5	195.0	221.1	222.7
135°	137.7	143.8	171.4	198.3	199.1
137.5°	127.2	135.1	152.8	177.9	178.7
140°	118.3	124.4	137.7	161.0	161.8
142.5°	112.8	117.1	126.7	145.7	146.5
145°	109.0	112.4	118.5	133.8	132.0
147.5°	103.4	108.6	112.0	122.7	120.8
150°	98.5	105.6	107.2	113.4	112.4
152.5°	95.3	101.5	103.1	107.6	105.7
155°	91.3	98.3	100.9	103.5	99.9
157.5°	67.1	67.9	68.7	69.5	69.5
160°	64.7	64.7	65.5	66.3	66.3
162.5°	62.2	62.2	63.0	63.9	63.9
165°	59.8	60.6	60.6	61.4	61.4
167.5°	58.2	58.2	59.0	59.0	59.8
170°	56.6	56.6	57.4	57.4	57.4
172.5°	55.0	55.8	55.8	55.8	55.8
175°	54.2	54.2	55.0	55.0	55.0
177.5°	53.4	54.2	54.2	54.2	54.2
180°	54.2	54.2	54.2	54.2	54.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	619.1	678.8	832.9	789.8	732.2
110°	570.0	627.2	787.6	806.0	762.9



(END OF REPORT)