

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: P828105

Luminaire Tested: **OHBL-36SE-N-UNV-L935-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828105
REPORT IS A COMBINATION OF REPORTS P826176 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-36SE-N-UNV-L935-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

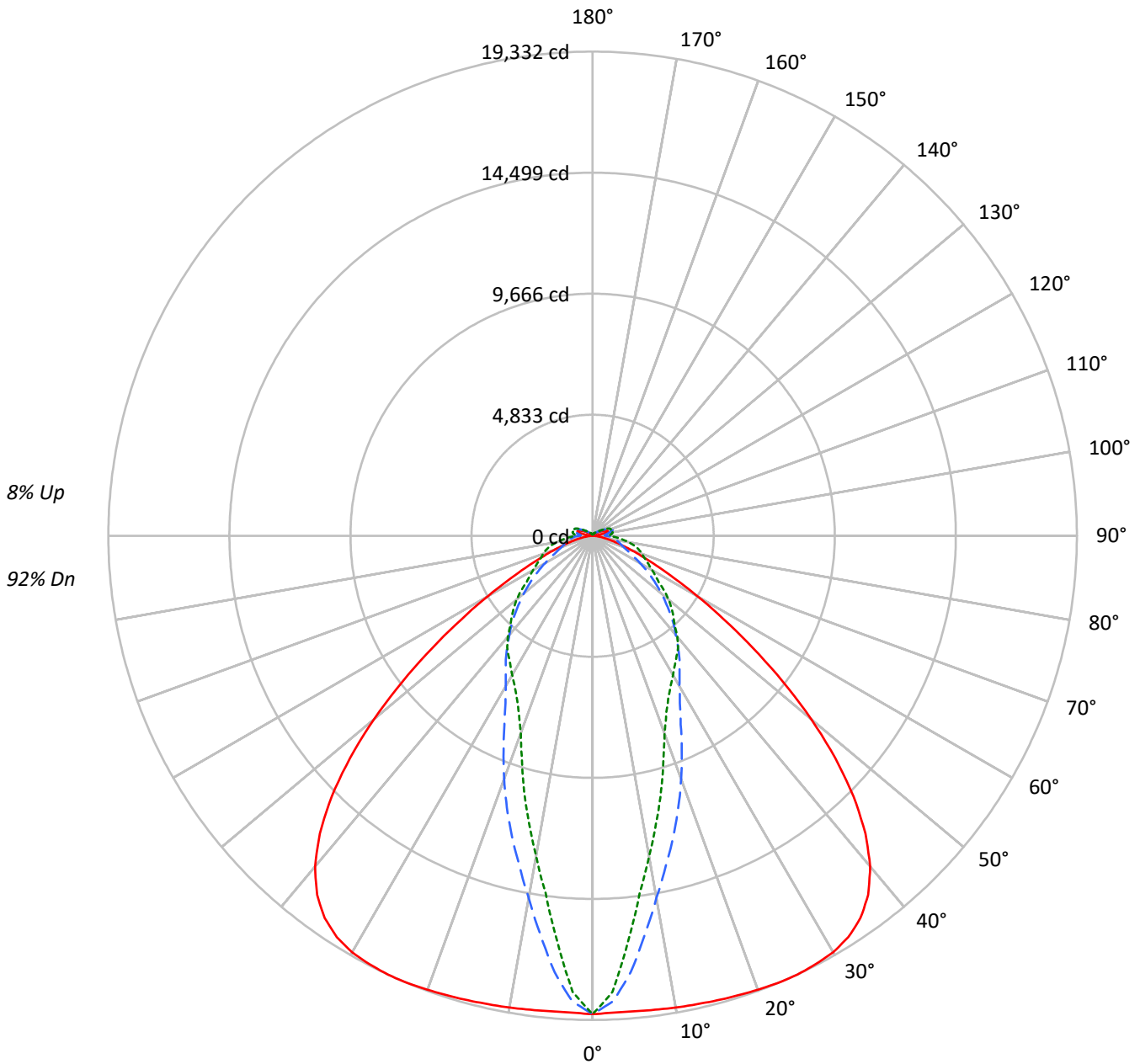
Lumens per Lamp: N/A
Luminaire Lumens: 29677.4 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 223.3
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	94	94	94	92																			
1	108	103	99	96	104	100	97	93	94	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	73	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	45	41	50	44	40	48	43	39	37																			
8	64	51	43	38	62	50	43	38	48	42	37	46	41	36	45	39	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°	30202	30202	30202
5°	30014	27517	25697
10°	30224	23189	20706
15°	30682	19841	17079
20°	31403	16784	13885
25°	32337	13900	12232
30°	33287	11981	11429
35°	33794	10925	10957
40°	33014	9874	10468
45°	30163	8930	9769
50°	25244	7896	9254
55°	18997	6922	8326
60°	13154	5944	8081
65°	8710	5127	8053
70°	5822	4821	8658
75°	3912	4987	9594
80°	2551	5549	10501
85°	1329	7004	12522



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1607.6	5.4
10°-20°	3781.8	12.7
20°-30°	4740.4	16.0
30°-40°	5030.1	16.9
40°-50°	4548.0	15.3
50°-60°	3297.6	11.1
60°-70°	2069.4	7.0
70°-80°	1369.5	4.6
80°-90°	792.7	2.7
90°-100°	524.9	1.8
100°-110°	759.3	2.6
110°-120°	588.5	2.0
120°-130°	283.3	1.0
130°-140°	138.4	0.5
140°-150°	79.1	0.3
150°-160°	43.2	0.1
160°-170°	17.9	0.1
170°-180°	5.5	0.0
0°-30°	10129.8	34.1
0°-40°	15159.9	51.1
0°-60°	23005.6	77.5
0°-90°	27237.2	91.8
90°-120°	1872.8	6.3
90°-150°	2373.6	8.0
90°-180°	2440.0	8.2
0°-180°	29677.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19097	19097	19097	19097	19097	
5°	19059	18570	17480	16669	16249	###
15°	19205	15653	12432	11056	10555	5446
25°	19332	12103	8325	7388	7154	8931
35°	18639	8046	6042	5853	5851	11587
45°	14735	5096	4379	4484	4560	11225
55°	7801	3159	2857	3099	3210	7049
65°	2790	1832	1654	2119	2356	2903
75°	862	987	1111	1725	1828	960
85°	151	409	812	1130	1038	181
90°	3	192	499	701	710	12
95°	39	188	522	703	748	106
105°	632	692	823	767	750	600
115°	448	489	635	681	686	451
125°	230	247	328	354	351	215
135°	142	148	175	203	203	112
145°	112	115	121	137	135	70
155°	94	101	103	106	102	40
165°	62	62	62	63	63	18
175°	56	56	57	57	57	5
180°	56	56	56	56	56	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19097.4	19097.4	19097.4	19097.4	19097.4
2.5°	19057.4	18948.3	18608.5	18401.2	18226.8
5°	19059.2	18570.3	17479.8	16669.1	16249.2
7.5°	19086.5	17999.6	16034.8	14851.5	14389.8
10°	19128.3	17292.5	14686.1	13424.8	12993.9
12.5°	19159.2	16496.4	13499.2	12203.2	11730.8
15°	19204.7	15653.1	12432.3	11056.4	10554.8
17.5°	19246.4	14858.8	11378.1	9940.4	9382.4
20°	19288.3	14002.7	10323.9	8842.6	8382.8
22.5°	19328.3	13099.3	9295.2	7990.1	7675.7
25°	19331.8	12103.3	8324.6	7388.5	7154.0
27.5°	19284.6	11070.9	7537.5	6885.0	6739.6
30°	19202.8	10069.4	6926.8	6521.5	6417.9
32.5°	18999.2	9047.9	6454.3	6170.8	6110.8
35°	18639.3	8046.5	6041.7	5852.7	5850.8
37.5°	18072.2	7157.7	5594.5	5561.8	5601.8
40°	17234.4	6379.8	5171.0	5258.2	5258.2
42.5°	16116.6	5703.6	4787.5	4876.6	4853.0
45°	14735.2	5096.5	4378.6	4484.0	4560.3
47.5°	13133.9	4562.2	3960.5	4164.1	4269.5
50°	11392.7	4053.2	3578.8	3838.8	3958.8
52.5°	9567.8	3582.5	3206.2	3504.3	3600.7
55°	7801.1	3159.0	2857.2	3099.0	3209.8
57.5°	6201.6	2755.5	2515.6	2744.6	2973.6
60°	4825.7	2408.3	2193.8	2521.0	2750.0
62.5°	3686.1	2099.3	1892.1	2312.0	2541.0
65°	2790.0	1832.2	1654.0	2119.3	2355.6
67.5°	2102.9	1601.3	1468.6	1979.3	2210.2
70°	1579.5	1377.8	1319.6	1892.1	2099.3
72.5°	1166.9	1172.3	1201.4	1815.8	1973.9
75°	861.5	986.9	1110.6	1724.9	1828.5
77.5°	616.2	817.9	1028.8	1615.8	1652.2
80°	427.2	667.1	943.3	1472.2	1441.3
82.5°	267.2	534.3	867.0	1314.1	1228.7
85°	150.8	408.9	812.5	1130.5	1037.8
87.5°	67.2	305.3	710.7	881.5	823.3
90°	3.3	191.7	499.1	700.9	710.5
92.5°	14.5	169.2	480.2	670.4	695.2
95°	38.9	188.3	521.9	702.6	748.1
97.5°	171.6	282.9	587.3	758.5	793.6
100°	345.9	446.2	653.1	790.8	814.0
102.5°	536.9	610.6	707.3	779.7	789.2
105°	632.0	691.7	823.4	767.3	749.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	519.8	566.8	722.2	768.8	757.1
115°	447.5	488.8	635.2	681.2	685.8
117.5°	386.0	415.8	546.4	590.2	592.9
120°	326.0	353.6	466.0	501.7	500.0
122.5°	276.0	298.0	393.1	421.5	418.0
125°	230.2	247.4	327.8	354.2	350.8
127.5°	196.7	207.8	275.2	299.9	296.4
130°	173.3	182.8	231.4	257.7	258.5
132.5°	155.7	161.8	199.5	225.8	227.5
135°	141.5	147.7	175.4	202.6	203.4
137.5°	130.7	138.7	156.5	181.8	182.7
140°	121.5	127.7	141.1	164.5	165.3
142.5°	115.8	120.2	129.9	148.9	149.8
145°	111.8	115.3	121.4	136.8	135.0
147.5°	106.0	111.2	114.8	125.5	123.7
150°	101.0	108.1	109.8	116.1	115.1
152.5°	97.7	103.9	105.6	110.1	108.3
155°	93.5	100.6	103.3	105.9	102.2
157.5°	69.2	70.0	70.8	71.7	71.7
160°	66.7	66.7	67.5	68.3	68.3
162.5°	64.2	64.2	65.0	65.8	65.8
165°	61.7	62.5	62.5	63.3	63.3
167.5°	60.0	60.0	60.8	60.8	61.7
170°	58.3	58.3	59.2	59.2	59.2
172.5°	56.7	57.5	57.5	57.5	57.5
175°	55.8	55.8	56.7	56.7	56.7
177.5°	55.0	55.8	55.8	55.8	55.8
180°	55.8	55.8	55.8	55.8	55.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	637.8	697.8	851.2	804.8	744.9
110°	587.2	644.8	805.2	822.4	777.6



(END OF REPORT)