

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: P828054

Luminaire Tested: **OHBL-24SE-N-UNV-L935-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828054
REPORT IS A COMBINATION OF REPORTS P826080 AND G3-2310-221-12
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-24SE-N-UNV-L935-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

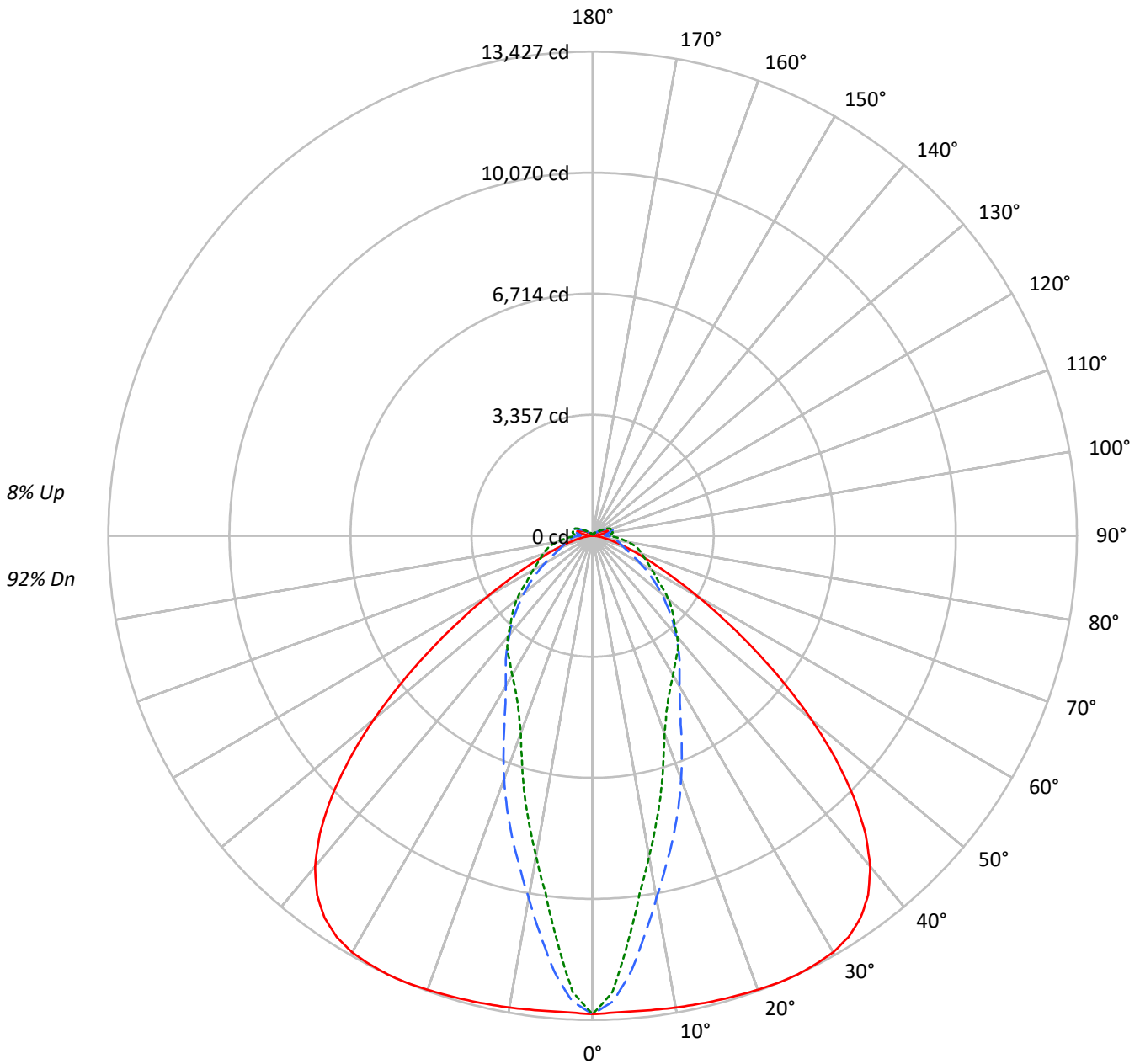
Lumens per Lamp: N/A
Luminaire Lumens: 20614.5 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 146.4
Input Voltage (V): NR
Input Current (Ain): 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	75	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°	22655	22655	22655
5°	22500	20631	19276
10°	22643	17379	15532
15°	22971	14863	12811
20°	23495	12567	10415
25°	24177	10402	9176
30°	24868	8961	8573
35°	25227	8167	8220
40°	24623	7377	7853
45°	22473	6667	7328
50°	18786	5890	6941
55°	14118	5159	6245
60°	9759	4424	6062
65°	6448	3810	6041
70°	4298	3576	6495
75°	2876	3688	7197
80°	1862	4084	7877
85°	958	5109	9393



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1116.6	5.4
10°-20°	2626.7	12.7
20°-30°	3292.5	16.0
30°-40°	3493.7	16.9
40°-50°	3158.9	15.3
50°-60°	2290.4	11.1
60°-70°	1437.3	7.0
70°-80°	951.2	4.6
80°-90°	550.6	2.7
90°-100°	364.6	1.8
100°-110°	528.2	2.6
110°-120°	409.4	2.0
120°-130°	196.8	1.0
130°-140°	96.2	0.5
140°-150°	55.1	0.3
150°-160°	30.1	0.1
160°-170°	12.5	0.1
170°-180°	3.8	0.0
0°-30°	7035.7	34.1
0°-40°	10529.5	51.1
0°-60°	15978.7	77.5
0°-90°	18917.8	91.8
90°-120°	1302.2	6.3
90°-150°	1650.3	8.0
90°-180°	1697.0	8.2
0°-180°	20614.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13264	13264	13264	13264	13264	
5°	13238	12898	12141	11578	11286	###
15°	13339	10872	8635	7679	7331	3783
25°	13427	8406	5782	5132	4969	6203
35°	12946	5589	4196	4065	4064	8048
45°	10234	3540	3041	3114	3167	7797
55°	5418	2194	1984	2152	2229	4896
65°	1938	1272	1149	1472	1636	2016
75°	598	686	771	1198	1270	667
85°	105	284	564	785	721	126
90°	2	134	347	487	494	8
95°	26	132	360	488	521	73
105°	441	481	573	535	522	418
115°	314	339	442	475	474	313
125°	162	173	228	245	245	150
135°	98	103	122	141	141	78
145°	78	81	84	95	94	49
155°	65	70	72	74	71	28
165°	43	43	44	44	44	12
175°	39	39	39	39	39	4
180°	38	38	38	38	38	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13264.2	13264.2	13264.2	13264.2	13264.2
2.5°	13236.5	13160.8	12924.7	12780.8	12659.5
5°	13237.8	12898.2	12140.7	11577.7	11286.0
7.5°	13256.7	12501.8	11137.1	10315.2	9994.6
10°	13285.7	12010.7	10200.3	9324.2	9025.0
12.5°	13307.2	11457.8	9376.0	8475.9	8147.7
15°	13338.8	10871.9	8634.9	7679.3	7330.8
17.5°	13367.8	10320.2	7902.8	6904.2	6516.6
20°	13396.8	9725.7	7170.5	6141.7	5822.2
22.5°	13424.6	9098.2	6456.0	5549.6	5331.2
25°	13427.1	8406.4	5781.9	5131.8	4968.9
27.5°	13394.2	7689.4	5235.2	4782.1	4681.1
30°	13337.4	6993.8	4811.1	4529.6	4457.6
32.5°	13196.1	6284.3	4482.8	4285.9	4244.3
35°	12946.1	5588.8	4196.2	4065.0	4063.8
37.5°	12552.3	4971.4	3885.8	3863.0	3890.8
40°	11970.2	4431.1	3591.6	3652.2	3652.2
42.5°	11193.8	3961.5	3325.3	3387.1	3370.7
45°	10234.4	3539.8	3041.2	3114.4	3167.4
47.5°	9122.3	3168.7	2750.8	2892.2	2965.4
50°	7912.8	2815.2	2485.7	2666.2	2749.6
52.5°	6645.3	2488.2	2226.9	2433.9	2500.8
55°	5418.3	2194.1	1984.5	2152.4	2229.4
57.5°	4307.3	1913.8	1747.2	1906.2	2065.3
60°	3351.8	1672.7	1523.8	1751.0	1910.0
62.5°	2560.2	1458.1	1314.2	1605.8	1764.8
65°	1937.8	1272.5	1148.8	1472.0	1636.1
67.5°	1460.6	1112.2	1020.0	1374.8	1535.1
70°	1097.1	956.9	916.5	1314.2	1458.1
72.5°	810.5	814.2	834.5	1261.2	1371.0
75°	598.4	685.5	771.3	1198.0	1270.0
77.5°	428.0	568.1	714.5	1122.2	1147.5
80°	296.7	463.3	655.2	1022.6	1001.1
82.5°	185.6	371.2	602.2	912.8	853.4
85°	104.8	284.1	564.3	785.2	720.8
87.5°	46.8	212.1	493.6	612.3	571.9
90°	2.5	133.7	347.0	486.6	493.8
92.5°	10.0	117.7	333.4	466.7	483.4
95°	25.9	131.7	359.5	488.0	520.7
97.5°	118.8	195.8	408.5	526.9	550.4
100°	237.6	313.2	454.5	549.5	566.3
102.5°	374.7	421.4	491.8	542.6	548.5
105°	440.9	481.4	572.9	535.2	522.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	360.9	393.8	506.2	534.5	526.6
115°	313.9	339.2	442.3	475.1	473.8
117.5°	266.8	289.1	381.2	410.2	409.8
120°	226.0	246.2	323.6	346.8	346.8
122.5°	192.7	206.9	272.5	291.5	291.1
125°	161.8	172.7	227.8	245.1	244.7
127.5°	136.4	143.9	191.4	208.2	207.0
130°	120.6	126.4	160.9	179.4	179.4
132.5°	107.6	112.7	138.7	157.2	158.1
135°	97.6	102.7	122.4	140.9	140.9
137.5°	90.9	96.4	109.0	126.2	127.1
140°	84.2	89.3	98.6	114.5	114.5
142.5°	80.6	83.5	90.2	103.7	104.5
145°	77.7	80.6	83.9	94.8	94.4
147.5°	73.5	77.7	80.6	86.9	86.5
150°	71.0	75.6	76.4	81.1	79.8
152.5°	67.7	72.2	73.1	76.5	75.2
155°	65.2	69.8	71.8	74.0	71.4
157.5°	47.5	49.2	49.2	50.0	50.0
160°	45.8	46.7	47.5	47.5	47.5
162.5°	44.2	45.0	45.0	45.8	45.8
165°	43.3	43.3	44.2	44.2	44.2
167.5°	41.7	41.7	42.5	42.5	42.5
170°	40.8	40.8	40.8	41.7	41.7
172.5°	40.0	40.0	40.0	40.0	40.0
175°	39.2	39.2	39.2	39.2	39.2
177.5°	38.3	39.2	39.2	39.2	39.2
180°	38.3	38.3	38.3	38.3	38.3



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	443.4	486.8	592.8	559.5	515.0
110°	408.0	449.3	559.7	572.2	538.5



(END OF REPORT)