

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: P827986

Luminaire Tested: **OHBL-15SE-N-UNV-L935-CD-UPL24**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827986
REPORT IS A COMBINATION OF REPORTS P826224 AND G3-2310-221-6
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-15SE-N-UNV-L935-CD-UPL24
Description:
Light Source: -
Ballast/Driver: -

Summary

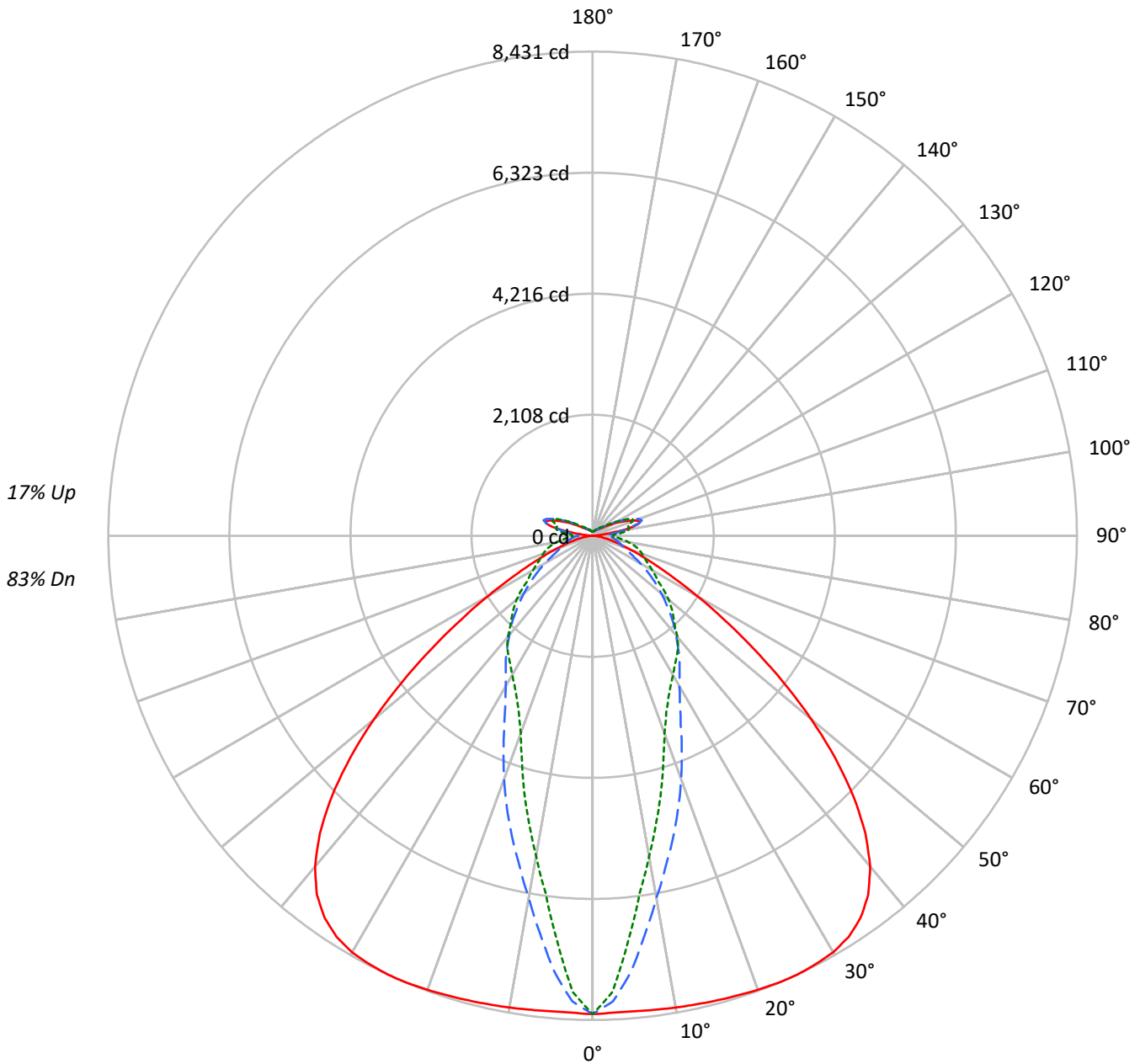
Lumens per Lamp: N/A
Luminaire Lumens: 14309.4 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 0.88' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 104.4
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

TEST NUMBER: P827986

CATALOG NUMBER: OHBL-15SE-N-UNV-L935-CD-UPL24

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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	83																			
1	106	101	97	94	101	97	94	91	90	87	85	83	81	79	77	76	74	71																			
2	97	90	84	78	93	86	81	76	80	76	72	74	71	68	69	66	64	61																			
3	89	80	73	67	86	77	70	65	72	66	62	67	62	59	62	59	56	53																			
4	83	72	64	58	79	69	62	57	65	59	54	61	56	52	57	53	49	47																			
5	76	65	57	51	73	63	55	50	59	53	48	55	50	46	52	47	44	41																			
6	71	59	51	45	68	57	50	44	54	47	43	51	45	41	48	43	39	37																			
7	66	54	46	40	64	52	45	40	49	43	38	47	41	37	44	39	36	34																			
8	62	50	42	37	60	48	41	36	46	39	35	43	38	34	41	36	32	30																			
9	58	46	38	33	56	45	38	33	42	36	32	40	35	31	38	33	30	28																			
10	55	43	35	30	53	41	35	30	39	33	29	37	32	28	36	31	27	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27096	27096	27096
5°	26701	24540	23054
10°	26663	20558	18577
15°	26840	17485	15323
20°	27235	14701	12457
25°	27795	12096	10974
30°	28343	10356	10254
35°	28485	9376	9831
40°	27521	8408	9392
45°	24835	7536	8764
50°	20494	6596	8302
55°	15170	5714	7470
60°	10296	4836	7250
65°	6650	4096	7225
70°	4301	3760	7768
75°	2761	3760	8607
80°	1677	3971	9421
85°	773	4567	11236



TEST NUMBER: P827986

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	701.1	4.9
10°-20°	1649.3	11.5
20°-30°	2067.4	14.4
30°-40°	2193.8	15.3
40°-50°	1983.5	13.9
50°-60°	1438.2	10.1
60°-70°	902.5	6.3
70°-80°	597.3	4.2
80°-90°	349.2	2.4
90°-100°	359.9	2.5
100°-110°	785.8	5.5
110°-120°	646.4	4.5
120°-130°	310.4	2.2
130°-140°	153.9	1.1
140°-150°	88.7	0.6
150°-160°	50.4	0.4
160°-170°	24.2	0.2
170°-180°	7.4	0.1
0°-30°	4417.8	30.9
0°-40°	6611.6	46.2
0°-60°	10033.3	70.1
0°-90°	11882.3	83.0
90°-120°	1792.1	12.5
90°-150°	2345.2	16.4
90°-180°	2427.0	17.0
0°-180°	14309.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8329	8329	8329	8329	8329	
5°	8312	8099	7623	7270	7087	795
15°	8376	6827	5422	4822	4603	2375
25°	8431	5279	3630	3222	3120	3895
35°	8129	3509	2635	2552	2552	5053
45°	6426	2223	1910	1956	1989	4896
55°	3402	1378	1246	1352	1400	3074
65°	1217	799	721	924	1027	1266
75°	376	430	484	752	797	419
85°	66	178	354	493	453	79
90°	4	103	244	341	349	7
95°	47	145	324	436	472	140
105°	842	862	835	675	639	800
115°	585	607	671	692	689	590
125°	291	309	348	359	355	273
135°	175	180	196	208	210	138
145°	130	134	139	146	146	83
155°	106	110	113	114	113	48
165°	83	84	85	85	85	24
175°	75	76	76	77	77	7
180°	75	75	75	75	75	



TEST NUMBER: P827986

CATALOG NUMBER: OHBL-15SE-N-UNV-L935-CD-UPL24

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8328.8	8328.8	8328.8	8328.8	8328.8
2.5°	8311.4	8263.8	8115.6	8025.2	7949.1
5°	8312.2	8098.9	7623.3	7269.8	7086.7
7.5°	8324.1	7850.0	6993.2	6477.1	6275.8
10°	8342.3	7541.7	6405.0	5854.8	5667.0
12.5°	8355.8	7194.5	5887.3	5322.2	5116.0
15°	8375.6	6826.7	5422.0	4821.9	4603.2
17.5°	8393.8	6480.2	4962.2	4335.2	4091.9
20°	8412.1	6106.9	4502.5	3856.4	3655.9
22.5°	8429.5	5712.9	4053.8	3484.7	3347.6
25°	8431.1	5278.6	3630.5	3222.3	3120.0
27.5°	8410.5	4828.3	3287.3	3002.8	2939.3
30°	8374.8	4391.5	3020.9	2844.2	2799.0
32.5°	8286.0	3946.0	2814.8	2691.2	2665.0
35°	8129.1	3509.3	2634.9	2552.5	2551.7
37.5°	7881.8	3121.6	2439.9	2425.7	2443.1
40°	7516.3	2782.3	2255.3	2293.2	2293.2
42.5°	7028.8	2487.5	2087.9	2126.8	2116.5
45°	6426.3	2222.8	1909.6	1955.6	1988.8
47.5°	5728.0	1989.7	1727.2	1816.1	1862.0
50°	4968.6	1767.7	1560.8	1674.2	1726.5
52.5°	4172.8	1562.4	1398.3	1528.3	1570.3
55°	3402.2	1377.7	1246.1	1351.5	1399.9
57.5°	2704.7	1201.8	1097.1	1197.0	1296.8
60°	2104.6	1050.3	956.8	1099.5	1199.3
62.5°	1607.6	915.6	825.2	1008.3	1108.2
65°	1216.8	799.0	721.3	924.2	1027.3
67.5°	917.2	698.3	640.5	863.3	963.9
70°	688.8	600.8	575.5	825.2	915.6
72.5°	508.9	511.2	524.0	791.9	860.8
75°	375.8	430.4	484.3	752.3	797.4
77.5°	268.8	356.8	448.7	704.7	720.6
80°	186.2	290.9	411.4	642.1	628.6
82.5°	116.5	233.1	378.1	573.1	535.8
85°	65.8	178.3	354.3	493.1	452.7
87.5°	29.3	133.2	309.9	384.4	359.1
90°	4.2	102.8	244.5	341.0	349.3
92.5°	15.8	99.3	249.4	349.8	368.5
95°	47.3	144.8	324.1	435.8	471.8
97.5°	228.2	288.5	430.5	544.2	581.2
100°	464.8	529.6	550.3	626.8	642.2
102.5°	716.4	744.8	658.5	652.7	652.4
105°	842.2	861.6	834.9	675.2	639.2



TEST NUMBER: P827986

CATALOG NUMBER: OHBL-15SE-N-UNV-L935-CD-UPL24

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	681.2	710.2	769.1	776.1	753.4
115°	585.4	607.1	671.2	691.8	689.2
117.5°	502.8	515.6	575.2	594.2	595.8
120°	417.8	436.5	491.6	504.1	499.1
122.5°	352.0	368.3	413.0	424.8	419.0
125°	291.2	309.3	347.7	358.8	355.4
127.5°	247.1	259.5	294.0	305.9	304.3
130°	216.2	224.5	251.8	263.8	264.6
132.5°	192.1	199.5	219.6	234.1	233.2
135°	174.6	179.5	195.7	208.4	210.1
137.5°	160.4	165.3	176.7	189.4	189.4
140°	147.9	152.8	161.8	172.9	173.8
142.5°	137.9	142.0	148.5	158.1	158.1
145°	130.3	134.5	138.6	145.8	145.8
147.5°	122.8	127.8	130.3	135.8	135.1
150°	117.0	121.1	123.6	126.8	126.8
152.5°	111.2	115.3	117.8	120.2	119.3
155°	106.2	110.3	112.7	114.3	112.8
157.5°	92.5	94.2	95.8	96.7	96.7
160°	89.2	90.0	91.7	92.5	92.5
162.5°	85.8	86.7	87.5	88.3	88.3
165°	83.3	84.2	85.0	85.0	85.0
167.5°	80.8	80.8	81.7	82.5	82.5
170°	78.3	79.2	79.2	80.0	80.0
172.5°	76.7	77.5	77.5	77.5	78.3
175°	75.0	75.8	75.8	76.7	76.7
177.5°	75.0	75.0	75.0	75.0	75.0
180°	75.0	75.0	75.0	75.0	75.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	845.5	875.0	898.0	763.7	667.6
110°	781.3	811.0	854.3	819.5	743.4



(END OF REPORT)