

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: P830712

Luminaire Tested: **OHBL-60SE-N-UNV-L935-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-60SE-N-UNV-L935-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 3500K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

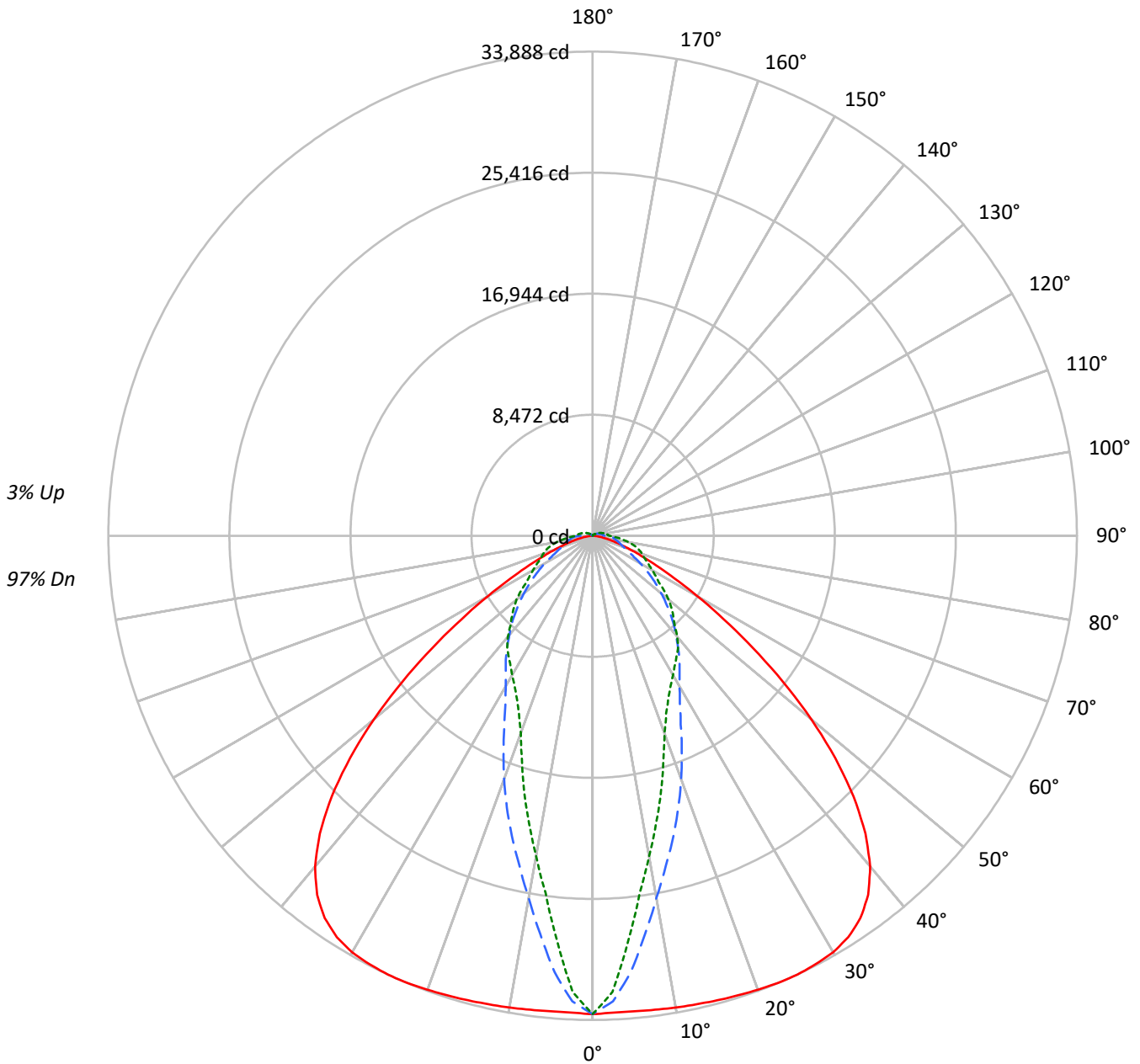
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49408.0 lumens
Efficiency: N/A
Efficacy: 136.5 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

Input Watts (W): 362
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

TEST NUMBER: P830712
CATALOG NUMBER: OHBL-60SE-N-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P830712

CATALOG NUMBER: OHBL-60SE-N-UNV-L935-CD

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	97																	
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	82																	
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	71																	
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	62																	
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	54																	
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	48																	
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	43																	
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	39																	
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	35																	
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	32																	
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	30																	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	57178	57178	57178
5°	57061	52070	48412
10°	57705	43860	38819
15°	58832	37511	31862
20°	60485	31717	25770
25°	62577	26253	22580
30°	64740	22617	20977
35°	66087	20612	19985
40°	64956	18618	18960
45°	59757	16825	17554
50°	50416	14865	16475
55°	38309	13020	14661
60°	26846	11166	14036
65°	18058	9616	13741
70°	12333	9025	14416
75°	8558	9307	15402
80°	5891	10308	15857
85°	3445	12893	16635



TEST NUMBER: P830712

CATALOG NUMBER: OHBL-60SE-N-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2818.0	5.7
10°-20°	6629.2	13.4
20°-30°	8309.7	16.8
30°-40°	8817.5	17.8
40°-50°	7972.4	16.1
50°-60°	5780.5	11.7
60°-70°	3627.6	7.3
70°-80°	2400.6	4.9
80°-90°	1383.0	2.8
90°-100°	670.0	1.4
100°-110°	462.5	0.9
110°-120°	285.4	0.6
120°-130°	138.2	0.3
130°-140°	63.6	0.1
140°-150°	34.7	0.1
150°-160°	15.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	17756.9	35.9
0°-40°	26574.4	53.8
0°-60°	40327.4	81.6
0°-90°	47738.5	96.6
90°-120°	1417.9	2.9
90°-150°	1654.4	3.3
90°-180°	1669.0	3.4
0°-180°	49408.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	33477	33477	33477	33477	33477	
5°	33410	32553	30641	29220	28484	###
15°	33664	27439	21793	19381	18502	9547
25°	33888	21216	14592	12952	12541	15655
35°	32674	14105	10591	10259	10256	20312
45°	25830	8934	7675	7860	7994	19677
55°	13675	5538	5009	5432	5627	12356
65°	4891	3212	2899	3715	4129	5089
75°	1510	1730	1947	3024	3205	1683
85°	264	717	1424	1982	1819	317
90°	0	300	825	1163	1172	17
95°	13	210	726	988	1032	11
105°	26	140	529	701	720	26
115°	35	99	357	446	456	34
125°	38	51	182	229	226	33
135°	32	38	80	124	124	25
145°	38	41	48	73	70	23
155°	38	48	51	54	48	12
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830712

CATALOG NUMBER: OHBL-60SE-N-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	33476.6	33476.6	33476.6	33476.6	33476.6
2.5°	33406.5	33215.3	32619.5	32256.3	31950.4
5°	33409.6	32552.6	30640.9	29219.9	28483.9
7.5°	33457.4	31552.1	28107.9	26033.8	25224.5
10°	33530.7	30312.7	25743.8	23532.7	22777.6
12.5°	33584.9	28917.2	23663.3	21391.6	20563.2
15°	33664.5	27438.9	21793.1	19381.2	18501.8
17.5°	33737.8	26046.5	19945.1	17424.9	16446.7
20°	33811.1	24545.9	18097.2	15500.5	14694.4
22.5°	33881.2	22962.4	16293.8	14006.2	13455.0
25°	33887.6	21216.4	14592.4	12951.6	12540.6
27.5°	33804.7	19406.7	13212.8	12069.0	11814.1
30°	33661.3	17651.1	12142.3	11431.8	11250.2
32.5°	33304.5	15860.5	11313.9	10816.9	10711.7
35°	32673.7	14104.9	10590.7	10259.3	10256.1
37.5°	31679.6	12546.9	9806.9	9749.5	9819.6
40°	30210.8	11183.3	9064.5	9217.4	9217.4
42.5°	28251.3	9998.0	8392.2	8548.4	8506.9
45°	25829.9	8933.9	7675.4	7860.2	7994.0
47.5°	23022.9	7997.2	6942.6	7299.4	7484.2
50°	19970.6	7105.0	6273.5	6729.1	6939.4
52.5°	16771.7	6279.8	5620.3	6142.8	6311.7
55°	13674.8	5537.5	5008.6	5432.3	5626.7
57.5°	10871.0	4830.2	4409.6	4811.0	5212.5
60°	8459.1	4221.6	3845.6	4419.1	4820.6
62.5°	6461.4	3680.0	3316.8	4052.7	4454.2
65°	4890.7	3211.6	2899.4	3715.0	4129.2
67.5°	3686.3	2807.0	2574.4	3469.7	3874.3
70°	2768.7	2415.1	2313.1	3316.8	3680.0
72.5°	2045.5	2055.0	2106.0	3182.9	3460.1
75°	1510.2	1730.1	1946.7	3023.6	3205.2
77.5°	1080.1	1433.8	1803.3	2832.5	2896.2
80°	748.7	1169.3	1653.6	2580.8	2526.6
82.5°	468.4	936.7	1519.8	2303.6	2153.8
85°	264.4	716.9	1424.2	1981.8	1819.3
87.5°	117.9	535.3	1245.8	1545.3	1443.3
90°	0.0	299.5	825.2	1162.9	1172.5
92.5°	6.4	248.5	761.5	1064.2	1096.0
95°	12.7	210.3	726.4	987.7	1032.3
97.5°	15.9	184.8	681.8	917.6	955.8
100°	19.1	165.7	627.7	844.3	876.2
102.5°	22.3	152.9	576.7	767.9	793.3
105°	25.5	140.2	528.9	700.9	720.1



TEST NUMBER: P830712

CATALOG NUMBER: OHBL-60SE-N-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	31.9	108.3	398.3	503.4	519.3
115°	35.0	98.8	356.8	446.1	455.6
117.5°	38.2	86.0	312.2	391.9	395.1
120°	38.2	76.5	267.6	334.5	334.5
122.5°	38.2	63.7	223.0	277.2	274.0
125°	38.2	51.0	181.6	229.4	226.2
127.5°	35.0	41.4	146.6	191.2	188.0
130°	35.0	41.4	117.9	162.5	162.5
132.5°	31.9	38.2	95.6	140.2	140.2
135°	31.9	38.2	79.7	124.3	124.3
137.5°	31.9	41.4	66.9	108.3	108.3
140°	31.9	38.2	57.4	95.6	95.6
142.5°	35.0	38.2	51.0	82.8	82.8
145°	38.2	41.4	47.8	73.3	70.1
147.5°	38.2	44.6	47.8	63.7	60.5
150°	38.2	47.8	47.8	57.4	54.2
152.5°	38.2	47.8	47.8	54.2	51.0
155°	38.2	47.8	51.0	54.2	47.8
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	25.5	130.6	484.3	627.7	650.0
110°	28.7	117.9	442.9	560.8	583.1



(END OF REPORT)