

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: P830713

Luminaire Tested: **OHBL-60SE-N-UNV-L940-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P830713
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-L940-CD
Description: 60000 LUMEN OHBL SE LED LUMINAIRE WITH 90CRI, 4000K LEDS AND NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

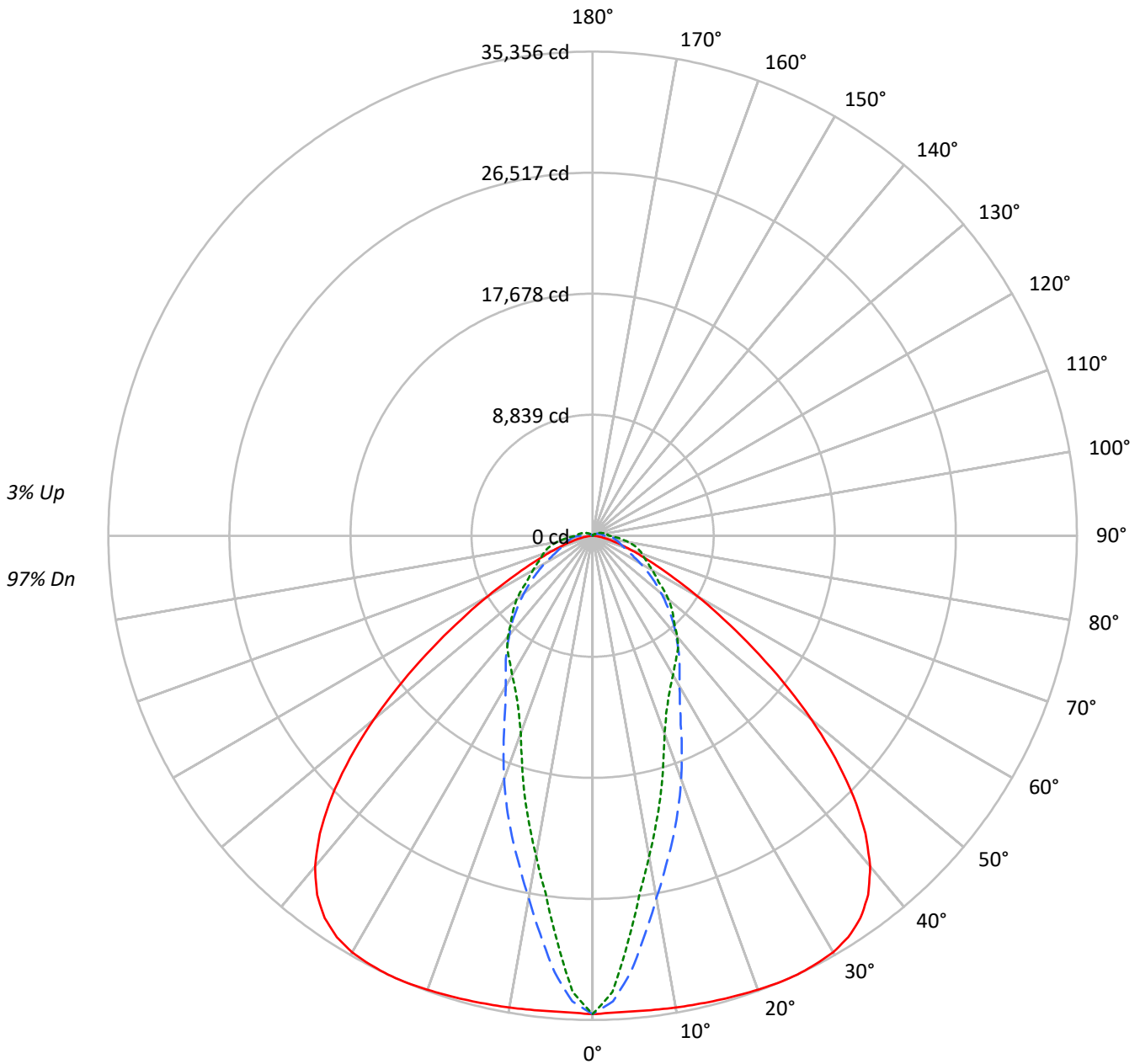
Lumens per Lamp: N/A
Luminaire Lumens: 51549.0 lumens
Efficiency: N/A
Efficacy: 142.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.67' x L: 3.78' x H: 0.17')
CIE Type: Direct

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: P830713

CATALOG NUMBER: OHBL-60SE-N-UNV-L940-CD

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	99	97
1	109	104	100	97	106	102	98	95	97	94	91	92	90	88	88	86	85	85	85	85	82
2	100	93	86	81	97	90	85	80	86	82	78	83	79	75	79	76	73	73	73	73	71
3	92	83	75	69	90	81	74	69	78	72	67	74	70	65	72	67	64	64	64	64	62
4	85	74	66	60	83	73	66	60	70	64	59	67	62	57	65	60	56	56	56	56	54
5	79	67	59	53	77	66	59	53	64	57	52	62	56	51	59	54	50	50	50	50	48
6	74	62	53	47	72	60	53	47	58	52	46	56	50	46	55	49	45	45	45	45	43
7	69	56	48	43	67	55	48	42	54	47	42	52	46	41	50	45	41	41	41	41	39
8	65	52	44	39	63	51	44	39	50	43	38	48	42	38	47	41	37	37	37	37	35
9	61	48	41	35	59	47	40	35	46	40	35	45	39	35	44	38	34	34	34	34	32
10	57	45	37	33	56	44	37	32	43	37	32	42	36	32	41	35	32	32	32	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	59655	59655	59655
5°	59534	54326	50510
10°	60206	45761	40502
15°	61381	39137	33242
20°	63106	33092	26887
25°	65288	27391	23559
30°	67545	23597	21885
35°	68951	21505	20851
40°	67770	19425	19782
45°	62346	17554	18314
50°	52601	15509	17189
55°	39969	13584	15296
60°	28010	11650	14644
65°	18841	10033	14336
70°	12867	9416	15040
75°	8929	9711	16070
80°	6147	10755	16544
85°	3595	13452	17356



TEST NUMBER: P830713

CATALOG NUMBER: OHBL-60SE-N-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2940.1	5.7
10°-20°	6916.5	13.4
20°-30°	8669.8	16.8
30°-40°	9199.6	17.8
40°-50°	8317.9	16.1
50°-60°	6031.0	11.7
60°-70°	3784.7	7.3
70°-80°	2504.6	4.9
80°-90°	1442.9	2.8
90°-100°	699.1	1.4
100°-110°	482.5	0.9
110°-120°	297.7	0.6
120°-130°	144.2	0.3
130°-140°	66.3	0.1
140°-150°	36.2	0.1
150°-160°	15.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	18526.4	35.9
0°-40°	27726.0	53.8
0°-60°	42074.9	81.6
0°-90°	49807.2	96.6
90°-120°	1479.3	2.9
90°-150°	1726.1	3.3
90°-180°	1742.0	3.4
0°-180°	51549.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	34927	34927	34927	34927	34927	
5°	34857	33963	31969	30486	29718	###
15°	35123	28628	22737	20221	19304	9961
25°	35356	22136	15225	13513	13084	16334
35°	34090	14716	11050	10704	10700	21192
45°	26949	9321	8008	8201	8340	20530
55°	14267	5777	5226	5668	5870	12891
65°	5103	3351	3025	3876	4308	5310
75°	1576	1805	2031	3155	3344	1756
85°	276	748	1486	2068	1898	331
90°	0	312	861	1213	1223	18
95°	13	219	758	1030	1077	12
105°	27	146	552	731	751	27
115°	37	103	372	465	475	36
125°	40	53	190	239	236	35
135°	33	40	83	130	130	26
145°	40	43	50	76	73	24
155°	40	50	53	56	50	12
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P830713

CATALOG NUMBER: OHBL-60SE-N-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	34927.2	34927.2	34927.2	34927.2	34927.2
2.5°	34854.1	34654.6	34033.0	33654.0	33334.9
5°	34857.4	33963.2	31968.7	30486.1	29718.2
7.5°	34907.3	32919.4	29325.9	27161.9	26317.6
10°	34983.7	31626.3	26859.4	24552.4	23764.6
12.5°	35040.2	30170.3	24688.7	22318.6	21454.3
15°	35123.3	28627.9	22737.4	20221.0	19303.5
17.5°	35199.8	27175.2	20809.4	18180.0	17159.4
20°	35276.2	25609.5	18881.4	16172.2	15331.1
22.5°	35349.4	23957.4	16999.9	14613.1	14038.0
25°	35356.0	22135.7	15224.8	13512.8	13084.0
27.5°	35269.6	20247.6	13785.4	12592.0	12326.1
30°	35120.0	18416.0	12668.5	11927.2	11737.7
32.5°	34747.7	16547.8	11804.2	11285.6	11175.9
35°	34089.5	14716.2	11049.6	10703.9	10700.5
37.5°	33052.4	13090.6	10231.8	10172.0	10245.1
40°	31519.9	11667.9	9457.3	9616.9	9616.9
42.5°	29475.5	10431.3	8755.9	8918.8	8875.6
45°	26949.2	9321.0	8008.0	8200.8	8340.4
47.5°	24020.6	8343.7	7243.4	7615.7	7808.5
50°	20836.0	7412.9	6545.3	7020.7	7240.1
52.5°	17498.5	6552.0	5863.9	6409.0	6585.2
55°	14267.4	5777.4	5225.6	5667.7	5870.5
57.5°	11342.1	5039.5	4600.7	5019.5	5438.4
60°	8825.7	4404.5	4012.3	4610.6	5029.5
62.5°	6741.4	3839.4	3460.5	4228.4	4647.2
65°	5102.6	3350.8	3025.0	3876.0	4308.1
67.5°	3846.1	2928.6	2685.9	3620.0	4042.2
70°	2888.7	2519.7	2413.4	3460.5	3839.4
72.5°	2134.1	2144.1	2197.3	3320.9	3610.1
75°	1575.7	1805.0	2031.1	3154.7	3344.1
77.5°	1126.9	1495.9	1881.5	2955.2	3021.7
80°	781.2	1220.0	1725.3	2692.6	2636.1
82.5°	488.7	977.3	1585.6	2403.4	2247.1
85°	275.9	747.9	1485.9	2067.6	1898.1
87.5°	123.0	558.5	1299.8	1612.2	1505.9
90°	0.0	312.5	861.0	1213.3	1223.3
92.5°	6.6	259.3	794.5	1110.3	1143.5
95°	13.3	219.4	757.9	1030.5	1077.0
97.5°	16.6	192.8	711.4	957.4	997.3
100°	19.9	172.9	654.9	880.9	914.2
102.5°	23.3	159.6	601.7	801.1	827.7
105°	26.6	146.3	551.8	731.3	751.3



TEST NUMBER: P830713

CATALOG NUMBER: OHBL-60SE-N-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	33.2	113.0	415.5	525.2	541.8
115°	36.6	103.0	372.3	465.4	475.4
117.5°	39.9	89.8	325.8	408.9	412.2
120°	39.9	79.8	279.2	349.0	349.0
122.5°	39.9	66.5	232.7	289.2	285.9
125°	39.9	53.2	189.5	239.3	236.0
127.5°	36.6	43.2	152.9	199.5	196.1
130°	36.6	43.2	123.0	169.5	169.5
132.5°	33.2	39.9	99.7	146.3	146.3
135°	33.2	39.9	83.1	129.6	129.6
137.5°	33.2	43.2	69.8	113.0	113.0
140°	33.2	39.9	59.8	99.7	99.7
142.5°	36.6	39.9	53.2	86.4	86.4
145°	39.9	43.2	49.9	76.5	73.1
147.5°	39.9	46.5	49.9	66.5	63.2
150°	39.9	49.9	49.9	59.8	56.5
152.5°	39.9	49.9	49.9	56.5	53.2
155°	39.9	49.9	53.2	56.5	49.9
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°	26.6	136.3	505.3	654.9	678.1
110°	29.9	123.0	462.1	585.1	608.3



(END OF REPORT)