

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: P827784

Luminaire Tested: **OHBL-30SE-NL-UNV-L930-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827784
REPORT IS A COMBINATION OF REPORTS P826285 AND G3-2310-221-4
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30SE-NL-UNV-L930-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

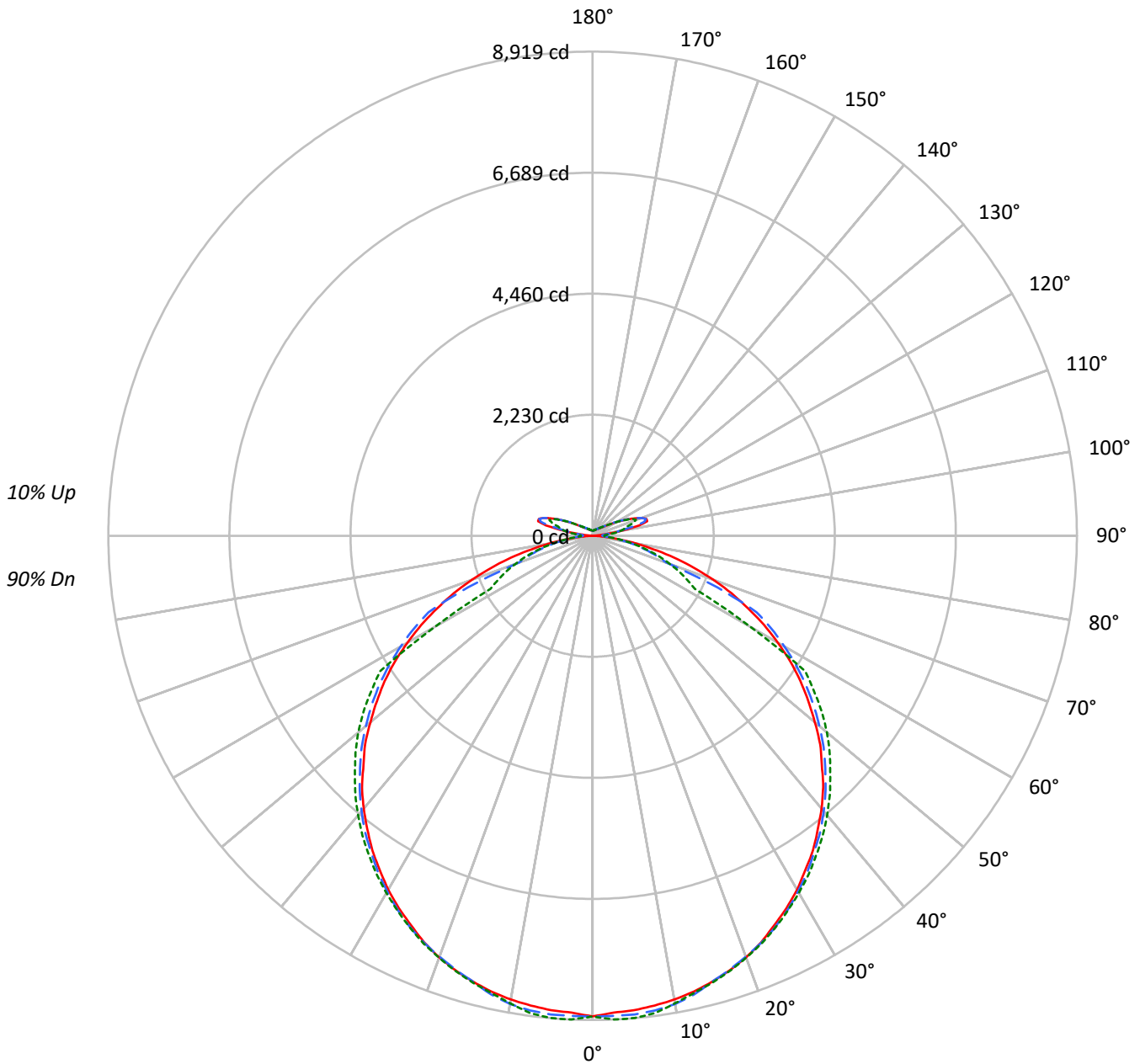
Lumens per Lamp: N/A
Luminaire Lumens: 27334.6 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.1')
CIE Type: Direct

Input Watts (W): 197.2
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: P827784

CATALOG NUMBER: OHBL-30SE-NL-UNV-L930-CD-UPL30

Luminous Intensity Polar Plot





TEST NUMBER: P827784

CATALOG NUMBER: OHBL-30SE-NL-UNV-L930-CD-UPL30

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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	93	93	93	90
1	107	103	99	95	103	99	96	92	93	90	88	88	86	83	83	81	79	79	79	79	77
2	98	90	83	78	94	87	81	76	82	77	73	77	73	70	73	70	67	67	67	67	64
3	89	79	71	65	86	77	69	64	72	66	61	68	63	59	65	61	57	57	57	57	54
4	82	70	61	55	79	68	60	54	64	58	52	61	55	51	58	53	49	49	49	49	47
5	75	62	54	47	72	61	53	47	58	51	45	55	49	44	52	47	43	43	43	43	40
6	69	56	47	41	67	55	47	41	52	45	40	49	43	38	47	42	37	37	37	37	35
7	64	51	42	36	62	50	42	36	47	40	35	45	39	34	43	37	33	33	33	33	31
8	60	46	38	32	57	45	37	32	43	36	31	41	35	30	39	34	30	30	30	30	28
9	56	42	34	29	54	41	34	29	40	33	28	38	32	27	36	31	27	27	27	27	25
10	52	39	31	26	50	38	31	26	37	30	25	35	29	25	34	28	24	24	24	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15123	15123	15123
5°	14960	15094	15254
10°	14886	15024	15097
15°	14803	14796	14965
20°	14699	14671	14891
25°	14511	14578	14822
30°	14351	14416	14758
35°	14157	14224	14700
40°	13924	14043	14656
45°	13598	13789	14566
50°	13249	13502	14507
55°	12826	13139	14261
60°	12192	12602	11017
65°	11282	11912	7338
70°	10111	6125	7016
75°	8393	5535	6542
80°	5894	4630	5727
85°	2366	3710	4955



TEST NUMBER: P827784

CATALOG NUMBER: OHBL-30SE-NL-UNV-L930-CD-UPL30

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	841.2	3.1
10°-20°	2408.5	8.8
20°-30°	3664.7	13.4
30°-40°	4455.8	16.3
40°-50°	4685.0	17.1
50°-60°	4278.0	15.7
60°-70°	2742.4	10.0
70°-80°	1295.5	4.7
80°-90°	364.5	1.3
90°-100°	286.5	1.0
100°-110°	891.1	3.3
110°-120°	719.4	2.6
120°-130°	336.1	1.2
130°-140°	169.5	0.6
140°-150°	99.1	0.4
150°-160°	58.1	0.2
160°-170°	30.1	0.1
170°-180°	9.2	0.0
0°-30°	6914.4	25.3
0°-40°	11370.1	41.6
0°-60°	20333.2	74.4
0°-90°	24735.6	90.5
90°-120°	1897.0	6.9
90°-150°	2501.6	9.2
90°-180°	2599.0	9.5
0°-180°	27334.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8854	8854	8854	8854	8854	
5°	8772	8806	8851	8899	8918	834
15°	8506	8570	8504	8517	8523	2401
25°	7916	7928	7956	7968	7962	3653
35°	7075	7033	7114	7201	7181	4422
45°	5967	5956	6058	6200	6190	4612
55°	4676	4641	4798	4958	4970	4170
65°	3151	3151	3334	1912	1919	3124
75°	1557	1586	1030	1084	1089	1641
85°	204	258	322	348	329	301
90°	6	120	187	219	216	13
95°	51	138	216	281	292	169
105°	1040	1058	985	746	658	983
115°	721	724	728	726	702	720
125°	351	361	371	361	356	328
135°	206	210	215	219	219	163
145°	150	153	157	158	158	96
155°	120	123	124	126	126	56
165°	104	104	105	107	107	30
175°	94	95	95	95	95	9
180°	93	93	93	93	93	



TEST NUMBER: P827784

CATALOG NUMBER: OHBL-30SE-NL-UNV-L930-CD-UPL30

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8854.0	8854.0	8854.0	8854.0	8854.0
2.5°	8791.8	8821.4	8854.0	8896.0	8919.2
5°	8771.6	8805.8	8850.9	8899.1	8917.7
7.5°	8728.2	8776.2	8819.8	8854.0	8864.9
10°	8673.7	8731.3	8756.2	8753.0	8745.3
12.5°	8600.7	8661.4	8653.7	8617.8	8624.1
15°	8506.0	8569.6	8504.5	8516.8	8523.1
17.5°	8394.1	8456.3	8380.2	8405.0	8406.6
20°	8263.7	8310.2	8251.2	8271.4	8271.4
22.5°	8106.8	8139.4	8114.5	8128.5	8131.6
25°	7915.6	7928.0	7955.9	7968.5	7962.2
27.5°	7732.4	7716.8	7771.2	7800.7	7785.1
30°	7528.7	7503.9	7567.6	7615.8	7597.2
32.5°	7295.7	7280.3	7353.2	7410.6	7399.8
35°	7075.1	7033.1	7114.0	7201.0	7180.7
37.5°	6814.1	6789.3	6880.9	6972.7	6961.8
40°	6559.3	6517.3	6621.5	6730.2	6719.4
42.5°	6285.9	6236.1	6349.6	6480.2	6467.7
45°	5967.4	5956.4	6057.5	6200.4	6189.6
47.5°	5684.8	5630.3	5771.6	5909.9	5922.4
50°	5342.8	5322.7	5451.6	5619.5	5631.7
52.5°	5008.8	4994.9	5129.9	5299.4	5321.1
55°	4676.3	4640.6	4797.5	4957.6	4970.0
57.5°	4320.7	4283.4	4443.4	4617.4	4643.7
60°	3939.9	3904.2	4079.7	4241.4	3372.9
62.5°	3559.3	3534.4	3717.8	2633.4	2122.4
65°	3150.7	3150.7	3333.9	1912.4	1918.7
67.5°	2768.6	2743.7	2485.9	1718.2	1718.2
70°	2358.4	2367.8	1432.4	1505.5	1507.0
72.5°	1946.7	1980.9	1236.8	1295.7	1298.7
75°	1556.7	1586.3	1030.0	1084.5	1089.1
77.5°	1143.5	879.3	828.0	870.1	871.6
80°	803.2	554.7	633.9	674.2	669.6
82.5°	469.1	388.3	464.5	494.1	492.4
85°	203.5	257.9	321.6	348.1	329.3
87.5°	65.2	160.0	200.3	216.0	214.3
90°	5.7	120.1	186.6	218.6	215.6
92.5°	17.0	109.4	177.7	220.9	224.0
95°	50.7	138.1	215.8	281.4	291.9
97.5°	284.5	312.3	315.5	390.8	425.5
100°	558.5	613.2	485.5	522.2	527.9
102.5°	884.0	914.1	726.2	626.9	604.2
105°	1040.0	1057.5	985.1	745.8	657.9



TEST NUMBER: P827784

CATALOG NUMBER: OHBL-30SE-NL-UNV-L930-CD-UPL30

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	837.1	846.7	852.1	837.0	806.6
115°	720.7	723.8	727.6	726.2	702.3
117.5°	601.4	605.4	607.1	600.6	594.1
120°	506.0	513.3	511.7	506.8	500.4
122.5°	422.8	434.9	438.9	430.0	422.8
125°	350.8	361.3	371.0	361.3	356.5
127.5°	297.5	304.7	312.0	311.2	307.2
130°	256.2	262.7	270.8	272.4	271.6
132.5°	228.0	233.6	239.3	241.7	240.9
135°	206.1	210.2	215.0	219.1	219.1
137.5°	186.7	192.4	196.4	199.7	199.7
140°	173.0	177.0	181.1	182.7	183.5
142.5°	160.9	164.1	168.1	169.8	170.6
145°	150.4	152.8	156.8	158.4	158.4
147.5°	140.6	143.9	147.1	148.7	148.7
150°	133.4	135.8	139.0	139.8	140.6
152.5°	126.9	128.5	131.0	132.6	132.6
155°	120.4	122.9	124.5	126.1	126.1
157.5°	115.6	117.2	118.8	119.6	120.4
160°	111.6	112.4	114.0	114.8	115.6
162.5°	106.7	108.3	109.1	109.9	110.7
165°	103.5	104.3	105.1	106.7	106.7
167.5°	100.2	101.0	101.9	102.7	102.7
170°	97.8	98.6	99.4	99.4	99.4
172.5°	95.4	96.2	97.0	97.0	97.0
175°	93.8	94.6	94.6	95.4	95.4
177.5°	93.0	93.8	93.8	93.8	94.6
180°	93.0	93.0	93.0	93.0	93.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1039.2	1061.4	1029.7	896.7	774.1
110°	955.1	976.7	961.1	913.8	846.2



(END OF REPORT)