

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: P827808

Luminaire Tested: **OHBL-36SE-NL-UNV-L930-CD-UPL36**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827808
REPORT IS A COMBINATION OF REPORTS P826321 AND G3-2310-221-2
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-36SE-NL-UNV-L930-CD-UPL36
Description:
Light Source: -
Ballast/Driver: -

Summary

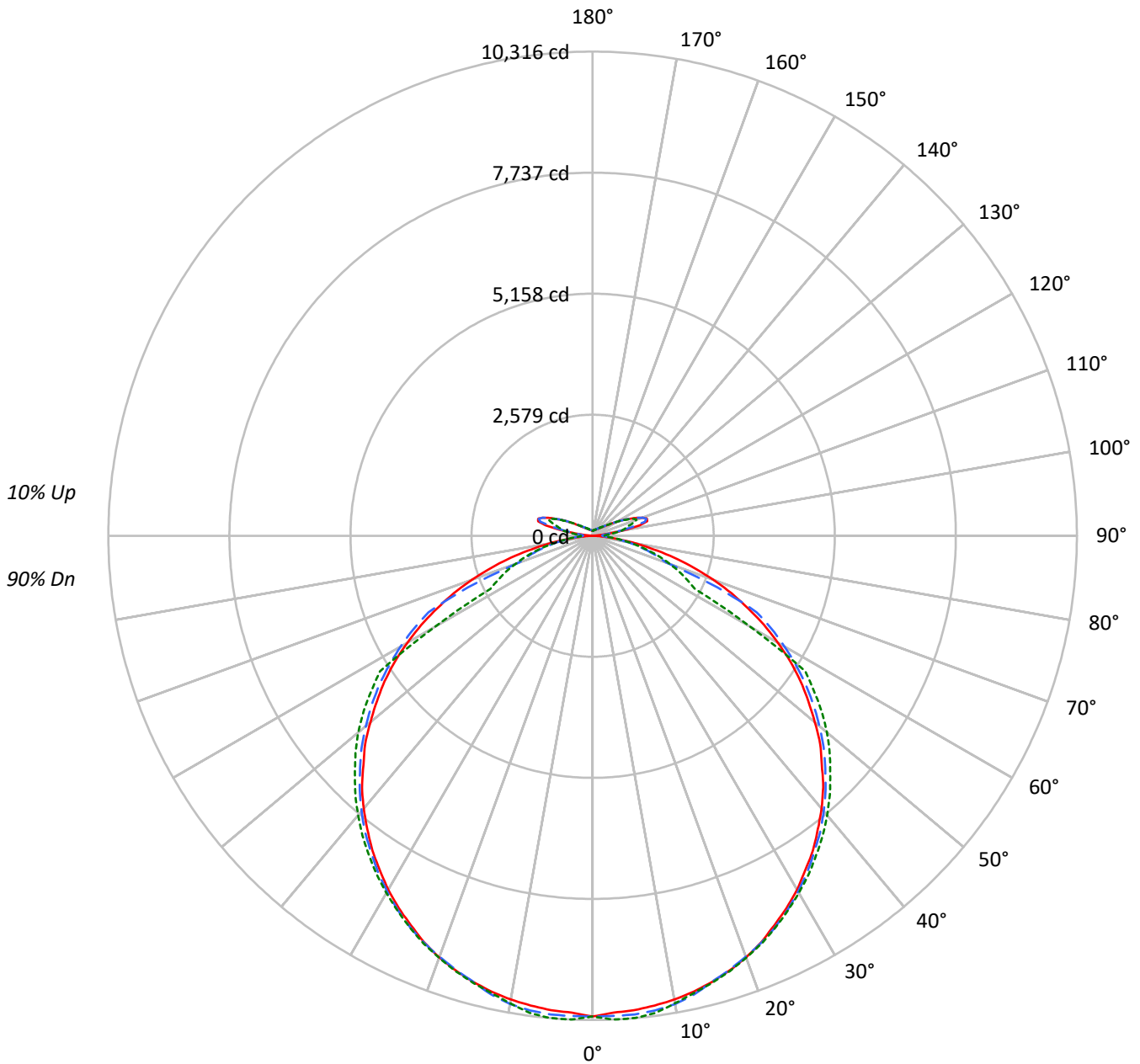
Lumens per Lamp: N/A
Luminaire Lumens: 31648.8 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 239.8
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: P827808

CATALOG NUMBER: OHBL-36SE-NL-UNV-L930-CD-UPL36

Luminous Intensity Polar Plot





TEST NUMBER: P827808

CATALOG NUMBER: OHBL-36SE-NL-UNV-L930-CD-UPL36

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16196	16196	16196
5°	16029	16170	16337
10°	15955	16100	16169
15°	15872	15859	16027
20°	15768	15730	15948
25°	15573	15635	15875
30°	15408	15467	15806
35°	15208	15266	15744
40°	14965	15078	15697
45°	14625	14812	15599
50°	14260	14511	15537
55°	13817	14130	15274
60°	13149	13563	11799
65°	12186	12834	7859
70°	10943	6608	7514
75°	9113	5985	7006
80°	6434	5025	6134
85°	2611	4058	5307



TEST NUMBER: P827808

CATALOG NUMBER: OHBL-36SE-NL-UNV-L930-CD-UPL36

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	972.9	3.1
10°-20°	2785.8	8.8
20°-30°	4238.9	13.4
30°-40°	5153.8	16.3
40°-50°	5419.0	17.1
50°-60°	4948.2	15.6
60°-70°	3172.1	10.0
70°-80°	1498.4	4.7
80°-90°	421.7	1.3
90°-100°	332.4	1.1
100°-110°	1037.4	3.3
110°-120°	842.0	2.7
120°-130°	394.6	1.2
130°-140°	199.8	0.6
140°-150°	116.8	0.4
150°-160°	68.5	0.2
160°-170°	35.6	0.1
170°-180°	10.9	0.0
0°-30°	7997.6	25.3
0°-40°	13151.5	41.6
0°-60°	23518.7	74.3
0°-90°	28610.9	90.4
90°-120°	2211.8	7.0
90°-150°	2922.9	9.2
90°-180°	3038.0	9.6
0°-180°	31648.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10241	10241	10241	10241	10241	
5°	10146	10185	10238	10293	10315	965
15°	9838	9912	9837	9851	9858	2778
25°	9156	9170	9202	9217	9210	4225
35°	8184	8135	8228	8329	8306	5114
45°	6902	6890	7006	7172	7159	5335
55°	5409	5368	5549	5734	5749	4824
65°	3644	3644	3856	2212	2219	3613
75°	1801	1835	1191	1254	1260	1898
85°	235	298	372	403	381	348
90°	6	140	216	254	251	15
95°	56	152	252	330	343	189
105°	1203	1211	1149	862	780	1144
115°	842	834	846	846	827	848
125°	410	424	434	427	419	386
135°	242	248	255	257	258	192
145°	176	180	184	187	188	112
155°	142	145	147	149	149	67
165°	122	124	124	125	126	35
175°	112	112	112	112	113	11
180°	110	110	110	110	110	



TEST NUMBER: P827808

CATALOG NUMBER: OHBL-36SE-NL-UNV-L930-CD-UPL36

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10241.2	10241.2	10241.2	10241.2	10241.2
2.5°	10169.2	10203.5	10241.2	10289.7	10316.5
5°	10145.9	10185.4	10237.5	10293.3	10314.8
7.5°	10095.6	10151.1	10201.6	10241.2	10253.7
10°	10032.6	10099.2	10127.9	10124.4	10115.4
12.5°	9948.2	10018.4	10009.4	9968.0	9975.2
15°	9838.5	9912.2	9836.9	9851.2	9858.4
17.5°	9709.2	9781.2	9693.0	9721.7	9723.7
20°	9558.3	9612.2	9543.9	9567.3	9567.3
22.5°	9376.8	9414.5	9385.8	9402.0	9405.6
25°	9155.7	9170.1	9202.4	9216.9	9209.6
27.5°	8943.8	8925.8	8988.7	9022.8	9004.7
30°	8708.3	8679.6	8753.2	8808.9	8787.4
32.5°	8438.7	8420.8	8505.3	8571.6	8559.1
35°	8183.6	8135.1	8228.4	8329.1	8305.7
37.5°	7881.7	7852.9	7958.8	8065.1	8052.5
40°	7586.9	7538.4	7658.9	7784.6	7772.0
42.5°	7270.7	7213.1	7344.4	7495.4	7481.0
45°	6902.2	6889.7	7006.5	7171.8	7159.2
47.5°	6575.4	6512.4	6675.8	6835.8	6850.3
50°	6179.8	6156.6	6305.7	6499.8	6514.1
52.5°	5793.6	5777.4	5933.7	6129.6	6154.7
55°	5408.9	5367.7	5549.1	5734.2	5748.7
57.5°	4997.6	4954.4	5139.5	5340.8	5371.2
60°	4557.1	4515.8	4718.9	4905.9	3901.3
62.5°	4116.9	4088.1	4300.3	3046.0	2454.8
65°	3644.3	3644.3	3856.2	2212.1	2219.3
67.5°	3202.4	3173.6	2875.3	1987.4	1987.4
70°	2727.9	2738.7	1656.8	1741.4	1743.1
72.5°	2251.6	2291.2	1430.5	1498.6	1502.2
75°	1800.6	1834.8	1191.4	1254.4	1259.7
77.5°	1322.7	1017.1	957.7	1006.5	1008.2
80°	929.0	641.6	733.2	779.9	774.5
82.5°	542.6	449.2	537.3	571.5	569.6
85°	235.3	298.4	371.9	402.6	380.9
87.5°	75.3	185.1	231.7	249.8	247.9
90°	6.5	140.2	216.2	254.0	251.4
92.5°	20.2	127.5	206.0	257.4	263.9
95°	55.5	152.4	252.1	329.7	342.7
97.5°	306.0	362.6	366.6	462.9	485.8
100°	652.7	696.5	572.3	610.4	628.4
102.5°	1025.9	1055.8	848.8	731.6	709.2
105°	1202.9	1211.3	1149.0	862.1	779.6



TEST NUMBER: P827808

CATALOG NUMBER: OHBL-36SE-NL-UNV-L930-CD-UPL36

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	988.9	995.0	991.4	982.9	944.2
115°	841.6	833.8	845.6	845.9	827.0
117.5°	712.1	704.1	710.5	707.3	698.4
120°	599.0	599.0	607.1	595.7	589.3
122.5°	496.3	507.6	513.3	505.2	494.7
125°	409.8	424.4	434.1	426.8	418.7
127.5°	351.6	356.5	367.8	363.8	363.8
130°	302.3	308.8	317.7	319.3	317.7
132.5°	268.4	274.8	282.9	285.3	287.8
135°	242.5	248.2	254.6	257.0	257.9
137.5°	221.5	226.3	231.2	235.2	236.0
140°	203.7	208.6	213.4	216.6	216.6
142.5°	189.2	194.0	198.0	200.5	200.5
145°	176.2	180.3	184.3	186.7	187.5
147.5°	166.5	169.8	173.8	174.6	175.4
150°	157.6	160.0	163.3	164.9	165.7
152.5°	149.5	152.0	155.2	156.0	156.8
155°	142.3	144.7	147.1	148.7	148.7
157.5°	135.8	138.2	140.6	141.5	141.5
160°	131.0	132.6	135.0	135.0	135.8
162.5°	126.1	127.7	129.3	130.1	131.0
165°	122.1	123.7	124.5	125.3	126.1
167.5°	118.8	119.6	120.4	121.2	121.2
170°	115.6	116.4	117.2	117.2	118.0
172.5°	113.2	114.0	114.8	114.8	114.8
175°	111.6	111.6	112.4	112.4	113.2
177.5°	109.9	110.7	110.7	110.7	111.6
180°	109.9	109.9	109.9	109.9	109.9



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1214.2	1225.5	1203.7	1054.1	902.6
110°	1123.1	1138.9	1125.7	1072.6	995.9



(END OF REPORT)