

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: P828465

Luminaire Tested: **OHB-18SE-A-UNV-L950-CD-UPL12**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828465
REPORT IS A COMBINATION OF REPORTS P826029 AND G3-2310-221-12
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-18SE-A-UNV-L950-CD-UPL12
Description:
Light Source: -
Ballast/Driver: -

Summary

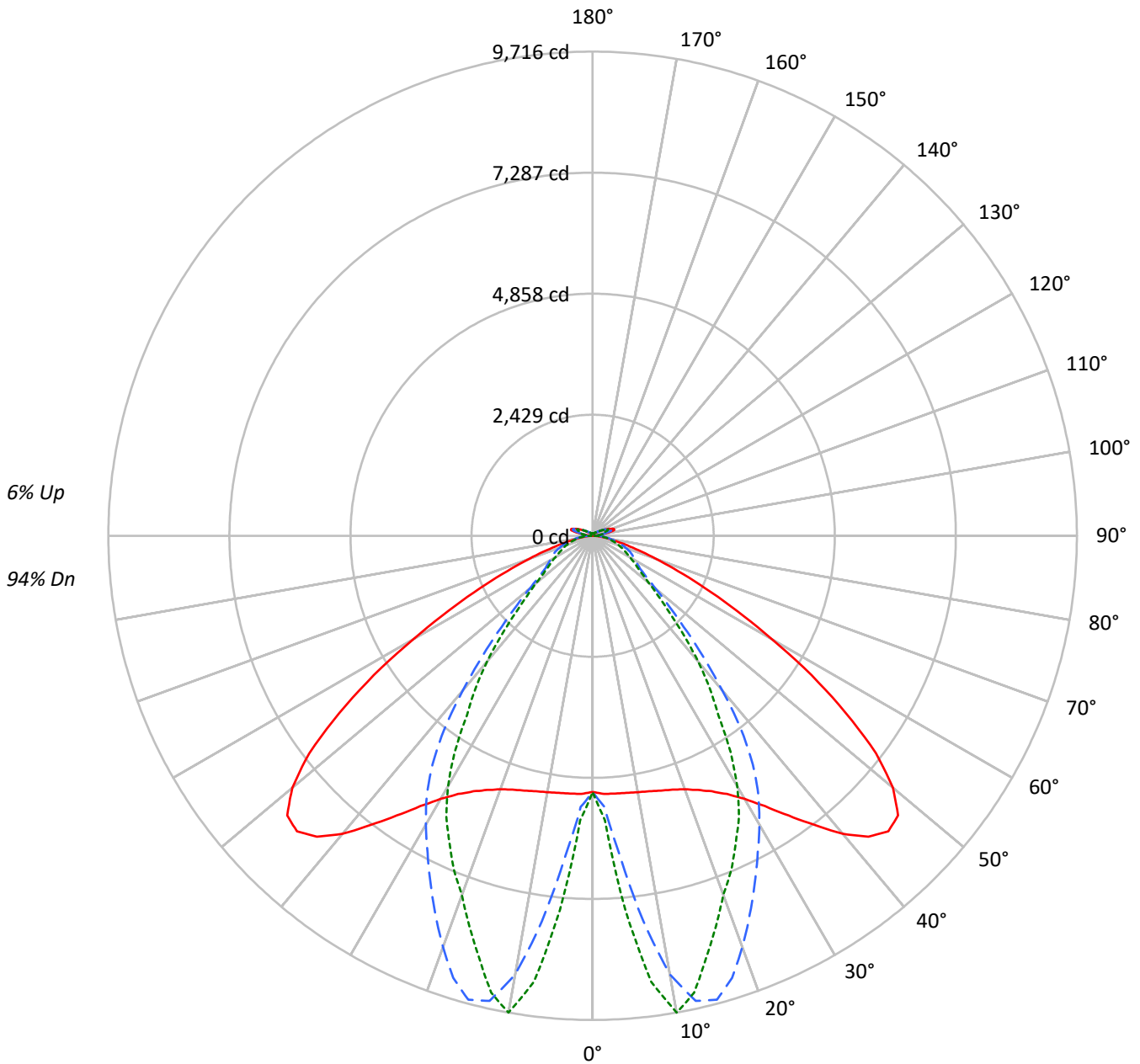
Lumens per Lamp: N/A
Luminaire Lumens: 17581.3 lumens
Efficiency: N/A
Efficacy: 151.6 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 116
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: P828465

CATALOG NUMBER: OHB-18SE-A-UNV-L950-CD-UPL12

Luminous Intensity Polar Plot





TEST NUMBER: P828465

CATALOG NUMBER: OHB-18SE-A-UNV-L950-CD-UPL12

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	114	114	114	114	108	108	108	102	102	102	96	96	96	94																			
1	109	105	102	98	106	102	99	96	97	94	92	92	90	88	88	86	85	82																			
2	101	94	88	83	98	92	86	82	87	83	79	83	80	76	79	76	74	72																			
3	93	84	77	72	90	82	76	71	79	73	69	75	71	67	72	68	65	63																			
4	86	76	68	63	84	74	67	62	71	65	60	68	63	59	66	61	58	55																			
5	80	69	61	55	78	68	60	55	65	58	54	62	57	52	60	55	51	49																			
6	75	63	55	49	72	62	54	49	59	53	48	57	51	47	55	50	46	44																			
7	70	58	50	44	68	56	49	44	54	48	43	53	47	42	51	46	42	40																			
8	65	53	45	40	63	52	45	40	50	44	39	49	43	38	47	42	38	36																			
9	61	49	41	36	59	48	41	36	47	40	36	45	39	35	44	38	35	33																			
10	57	45	38	33	56	45	38	33	43	37	33	42	36	32	41	36	32	30																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17175	17175	17175
5°	17263	21546	25084
10°	17416	29628	32463
15°	17831	32192	29683
20°	18569	29791	26425
25°	19923	26718	24073
30°	22215	23987	21312
35°	26116	20928	16902
40°	31403	15882	13380
45°	36021	10778	9466
50°	36518	7360	6952
55°	31610	5761	5631
60°	23612	5356	5014
65°	16184	5330	4684
70°	10348	5085	4451
75°	6223	4634	4139
80°	3662	3974	4071
85°	1762	3265	3405



TEST NUMBER: P828465

CATALOG NUMBER: OHB-18SE-A-UNV-L950-CD-UPL12

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	671.2	3.8
10°-20°	2369.0	13.5
20°-30°	3490.9	19.9
30°-40°	3668.4	20.9
40°-50°	2807.0	16.0
50°-60°	1695.0	9.6
60°-70°	1034.3	5.9
70°-80°	564.5	3.2
80°-90°	200.9	1.1
90°-100°	103.4	0.6
100°-110°	359.9	2.0
110°-120°	309.1	1.8
120°-130°	148.1	0.8
130°-140°	74.1	0.4
140°-150°	43.1	0.2
150°-160°	25.2	0.1
160°-170°	13.1	0.1
170°-180°	4.0	0.0
0°-30°	6531.2	37.1
0°-40°	10199.6	58.0
0°-60°	14701.5	83.6
0°-90°	16501.3	93.9
90°-120°	772.4	4.4
90°-150°	1037.8	5.9
90°-180°	1080.0	6.1
0°-180°	17581.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5141	5141	5141	5141	5141	
5°	5193	5571	6499	7257	7537	496
15°	5294	8246	9637	8993	8781	1505
25°	5657	9570	7694	6966	6794	2644
35°	6853	7664	5605	4668	4395	4347
45°	8387	4373	2582	2272	2176	6337
55°	6203	1483	1175	1089	1086	5481
65°	2487	939	865	740	702	2548
75°	662	584	536	442	424	762
85°	98	181	213	194	176	122
90°	3	16	21	27	30	7
95°	22	50	75	101	116	71
105°	450	444	379	269	247	425
115°	313	313	314	311	306	313
125°	153	159	163	161	162	143
135°	89	91	95	96	96	71
145°	65	67	68	69	70	41
155°	52	53	54	55	55	24
165°	45	45	46	46	46	13
175°	41	41	41	41	41	4
180°	40	40	40	40	40	



TEST NUMBER: P828465

CATALOG NUMBER: OHB-18SE-A-UNV-L950-CD-UPL12

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5141.4	5141.4	5141.4	5141.4	5141.4
2.5°	5183.5	5236.4	5445.0	5661.5	5714.2
5°	5193.0	5571.3	6499.3	7257.1	7537.0
7.5°	5204.1	6113.9	7805.6	8733.3	9030.3
10°	5224.9	6800.0	8937.5	9603.5	9715.8
12.5°	5251.0	7527.0	9560.3	9536.1	9394.5
15°	5294.2	8245.9	9637.0	8992.8	8781.4
17.5°	5339.6	8854.2	9302.4	8401.5	8217.5
20°	5413.5	9305.7	8781.8	7875.9	7666.7
22.5°	5519.9	9553.9	8236.0	7400.6	7264.1
25°	5657.3	9570.1	7693.8	6965.6	6793.7
27.5°	5841.4	9348.0	7174.1	6539.4	6357.7
30°	6091.8	8922.9	6691.3	6025.5	5800.2
32.5°	6432.1	8311.1	6193.5	5405.1	5152.4
35°	6852.7	7663.8	5605.0	4667.9	4394.9
37.5°	7311.8	6945.1	4891.0	4015.0	3856.1
40°	7805.6	6204.5	4044.6	3404.0	3290.3
42.5°	8190.9	5399.3	3258.3	2828.9	2707.8
45°	8387.4	4373.0	2582.0	2271.9	2176.5
47.5°	8310.9	3394.6	2046.8	1805.2	1776.5
50°	7864.5	2506.5	1638.6	1487.1	1475.2
52.5°	7166.5	1868.3	1353.5	1259.7	1239.3
55°	6202.8	1482.9	1175.3	1089.3	1086.0
57.5°	5207.8	1259.7	1066.9	1000.3	977.2
60°	4146.4	1123.3	984.6	909.4	862.5
62.5°	3250.2	1027.9	924.2	822.1	778.2
65°	2486.7	938.7	864.7	739.9	702.2
67.5°	1853.7	853.9	792.0	653.5	631.4
70°	1350.6	766.8	709.0	581.1	563.7
72.5°	962.6	679.9	626.2	513.2	494.1
75°	662.1	583.8	535.5	441.9	423.9
77.5°	446.6	485.7	446.2	377.3	369.8
80°	298.3	385.2	360.9	319.7	315.1
82.5°	181.0	279.5	284.8	260.0	247.4
85°	98.5	181.0	213.4	194.5	176.4
87.5°	38.6	100.3	147.0	132.1	124.3
90°	2.6	15.6	20.9	27.0	30.4
92.5°	7.8	20.0	33.0	47.0	51.3
95°	21.7	50.4	74.8	100.9	116.5
97.5°	117.4	127.8	144.3	170.4	179.1
100°	240.0	258.2	214.8	224.3	228.7
102.5°	381.7	376.5	274.7	248.7	244.3
105°	449.5	444.3	379.1	268.7	246.9



TEST NUMBER: P828465

CATALOG NUMBER: OHB-18SE-A-UNV-L950-CD-UPL12

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	363.4	366.0	363.4	349.5	334.7
115°	313.0	313.0	313.9	311.3	306.0
117.5°	262.6	266.0	268.7	266.0	264.3
120°	220.0	225.2	226.9	223.4	223.4
122.5°	185.2	189.5	192.1	189.5	190.4
125°	153.0	159.1	162.6	160.8	161.7
127.5°	127.8	133.0	139.1	138.2	138.2
130°	111.3	114.8	119.1	120.0	120.0
132.5°	99.1	101.7	105.2	106.1	106.9
135°	88.7	91.3	94.8	95.6	95.6
137.5°	81.7	83.5	86.1	86.9	87.8
140°	74.8	77.4	79.1	80.0	80.0
142.5°	69.6	71.3	73.0	73.9	74.8
145°	65.2	66.9	67.8	68.7	69.6
147.5°	60.9	62.6	64.3	64.3	65.2
150°	58.3	59.1	60.0	60.9	60.9
152.5°	54.8	55.6	56.5	57.4	57.4
155°	52.2	53.0	53.9	54.8	54.8
157.5°	49.6	51.3	51.3	52.2	52.2
160°	47.8	48.7	49.6	49.6	49.6
162.5°	46.1	47.0	47.0	47.8	47.8
165°	45.2	45.2	46.1	46.1	46.1
167.5°	43.5	43.5	44.3	44.3	44.3
170°	42.6	42.6	42.6	43.5	43.5
172.5°	41.7	41.7	41.7	41.7	41.7
175°	40.9	40.9	40.9	40.9	40.9
177.5°	40.0	40.9	40.9	40.9	40.9
180°	40.0	40.0	40.0	40.0	40.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	452.1	453.8	418.2	324.3	268.7
110°	413.9	419.9	400.8	365.2	320.8



(END OF REPORT)