

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: P828075

Luminaire Tested: **OHBL-30SE-A-UNV-L935-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828075
REPORT IS A COMBINATION OF REPORTS P826125 AND G3-2310-221-10
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30SE-A-UNV-L935-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

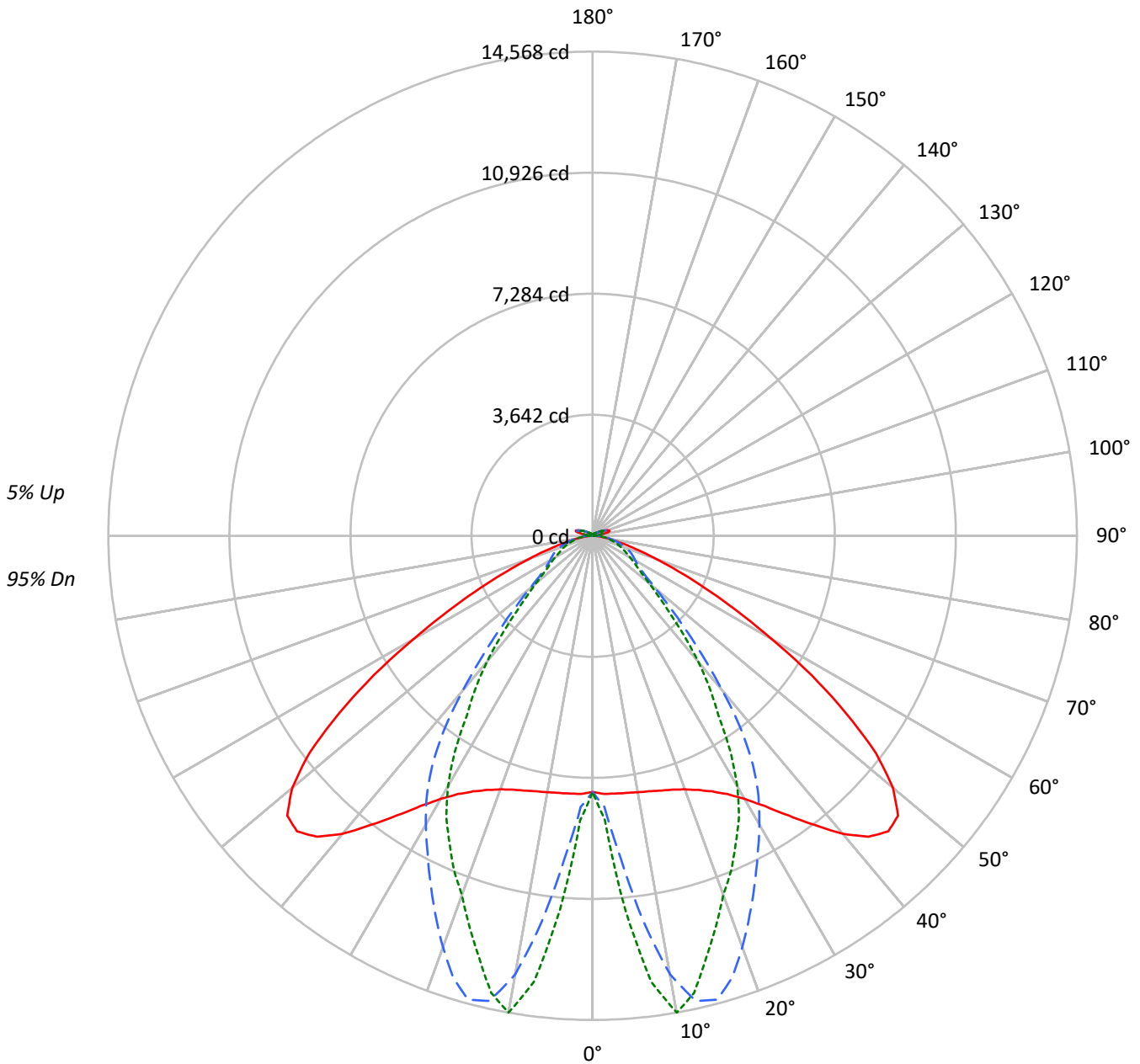
Lumens per Lamp: N/A
Luminaire Lumens: 26005.2 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 184.3
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

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Luminous Intensity Polar Plot





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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	108	108	108	103	103	103	98	98	98	95																			
1	109	105	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	83																			
2	101	94	88	84	98	92	87	82	88	83	80	84	80	77	80	77	75	73																			
3	94	85	78	72	91	83	76	71	79	74	69	76	71	68	73	69	66	64																			
4	87	76	69	63	84	75	68	62	72	66	61	69	64	60	66	62	58	56																			
5	81	69	61	55	78	68	61	55	65	59	54	63	57	53	61	56	52	50																			
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	56	51	47	45																			
7	70	58	50	44	68	57	49	44	55	48	43	53	47	43	51	46	42	40																			
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38	37																			
9	61	49	42	37	60	48	41	36	47	40	36	46	40	36	44	39	35	33																			
10	58	46	38	33	56	45	38	33	44	37	33	42	37	33	41	36	32	31																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13168	13168	13168
5°	13235	16561	19302
10°	13353	22832	25072
15°	13671	24873	23011
20°	14236	23079	20565
25°	15274	20755	18811
30°	17032	18689	16727
35°	20023	16357	13329
40°	24075	12457	10608
45°	27616	8487	7550
50°	27997	5821	5584
55°	24234	4581	4562
60°	18102	4287	4104
65°	12408	4300	3888
70°	7933	4148	3765
75°	4771	3839	3603
80°	2807	3374	3717
85°	1351	2897	3447



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1006.5	3.9
10°-20°	3552.3	13.7
20°-30°	5234.5	20.1
30°-40°	5500.7	21.2
40°-50°	4209.0	16.2
50°-60°	2541.6	9.8
60°-70°	1550.9	6.0
70°-80°	846.5	3.3
80°-90°	300.3	1.2
90°-100°	121.4	0.5
100°-110°	420.5	1.6
110°-120°	361.3	1.4
120°-130°	173.4	0.7
130°-140°	86.7	0.3
140°-150°	50.3	0.2
150°-160°	29.3	0.1
160°-170°	15.2	0.1
170°-180°	4.6	0.0
0°-30°	9793.3	37.7
0°-40°	15294.0	58.8
0°-60°	22044.6	84.8
0°-90°	24742.4	95.1
90°-120°	903.2	3.5
90°-150°	1213.6	4.7
90°-180°	1263.0	4.9
0°-180°	26005.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7709	7709	7709	7709	7709	
5°	7787	8354	9746	10882	11302	744
15°	7938	12364	14450	13484	13168	2257
25°	8483	14350	11537	10445	10187	3965
35°	10275	11492	8405	6999	6590	6518
45°	12577	6557	3872	3407	3264	9503
55°	9301	2224	1762	1633	1628	8219
65°	3729	1408	1297	1110	1053	3821
75°	993	875	803	662	636	1142
85°	148	271	320	292	264	183
90°	2	18	24	32	36	10
95°	23	60	89	118	138	83
105°	528	520	443	313	288	499
115°	363	363	367	365	358	367
125°	176	186	191	189	188	166
135°	104	108	110	112	112	83
145°	76	78	79	81	81	48
155°	61	62	63	63	64	29
165°	52	52	53	53	53	15
175°	48	48	48	48	48	5
180°	48	48	48	48	48	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7709.4	7709.4	7709.4	7709.4	7709.4
2.5°	7772.5	7851.9	8164.6	8489.2	8568.2
5°	7786.8	8354.1	9745.5	10881.8	11301.6
7.5°	7803.2	9167.7	11704.2	13095.4	13540.7
10°	7834.7	10196.4	13401.5	14400.2	14568.5
12.5°	7873.7	11286.4	14335.4	14299.1	14086.8
15°	7938.5	12364.4	14450.5	13484.5	13167.5
17.5°	8006.6	13276.6	13948.7	12597.8	12321.8
20°	8117.3	13953.6	13168.2	11809.8	11496.0
22.5°	8277.0	14325.8	12349.6	11097.0	10892.3
25°	8483.0	14350.0	11536.7	10444.8	10186.8
27.5°	8759.0	14017.1	10757.4	9805.7	9533.2
30°	9134.6	13379.7	10033.4	9035.1	8697.2
32.5°	9644.7	12462.3	9287.0	8104.8	7725.9
35°	10275.4	11491.7	8404.7	6999.3	6590.0
37.5°	10963.8	10414.0	7333.8	6020.4	5782.1
40°	11704.2	9303.5	6064.7	5104.3	4933.8
42.5°	12282.2	8096.2	4885.8	4241.8	4060.3
45°	12576.7	6557.2	3871.6	3406.8	3263.6
47.5°	12462.0	5090.1	3069.2	2706.9	2663.9
50°	11792.5	3758.5	2456.9	2229.8	2212.0
52.5°	10745.9	2801.4	2029.5	1889.0	1858.3
55°	9300.8	2223.6	1762.4	1633.4	1628.5
57.5°	7808.9	1889.0	1599.8	1499.9	1465.2
60°	6217.4	1684.3	1476.4	1363.7	1293.3
62.5°	4873.6	1541.2	1385.8	1232.8	1167.0
65°	3728.8	1407.7	1296.6	1109.5	1052.9
67.5°	2779.6	1280.4	1187.5	979.8	946.8
70°	2025.2	1149.8	1063.2	871.4	845.3
72.5°	1443.3	1019.6	938.9	769.6	740.8
75°	992.8	875.4	803.0	662.5	635.8
77.5°	669.8	728.3	669.1	565.7	554.4
80°	447.3	577.6	541.2	479.3	472.4
82.5°	271.4	419.2	427.1	389.8	370.9
85°	147.8	271.4	320.0	291.6	264.5
87.5°	57.8	150.4	220.5	198.0	186.4
90°	2.5	18.3	24.2	31.7	35.8
92.5°	8.3	23.3	38.3	53.3	61.7
95°	23.3	60.0	89.2	118.3	137.5
97.5°	138.3	155.8	170.0	195.8	210.8
100°	280.8	303.3	249.2	261.7	267.5
102.5°	451.7	436.7	322.5	290.0	285.0
105°	527.5	520.0	443.3	313.3	287.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	424.2	430.0	422.5	407.5	392.5
115°	363.3	363.3	366.7	365.0	357.5
117.5°	311.7	310.0	313.3	311.7	310.0
120°	260.0	263.3	264.2	262.5	261.7
122.5°	215.0	221.7	225.8	223.3	222.5
125°	175.8	185.8	190.8	189.2	188.3
127.5°	150.0	155.8	162.5	162.5	160.8
130°	130.0	134.2	139.2	140.0	140.0
132.5°	115.8	119.2	123.3	124.2	125.0
135°	104.2	107.5	110.0	111.7	112.5
137.5°	95.8	97.5	100.8	101.7	102.5
140°	87.5	90.0	92.5	93.3	94.2
142.5°	81.7	83.3	85.0	86.7	86.7
145°	75.8	77.5	79.2	80.8	80.8
147.5°	71.7	73.3	75.0	75.0	75.8
150°	67.5	69.2	70.0	70.8	70.8
152.5°	64.2	65.0	66.7	66.7	67.5
155°	60.8	61.7	63.3	63.3	64.2
157.5°	58.3	59.2	60.0	60.8	60.8
160°	55.8	56.7	57.5	57.5	58.3
162.5°	54.2	55.0	55.0	55.8	55.8
165°	52.5	52.5	53.3	53.3	53.3
167.5°	50.8	50.8	51.7	51.7	52.5
170°	49.2	50.0	50.0	50.0	50.8
172.5°	48.3	48.3	49.2	49.2	49.2
175°	47.5	47.5	47.5	48.3	48.3
177.5°	46.7	47.5	47.5	47.5	47.5
180°	47.5	47.5	47.5	47.5	47.5



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	527.5	528.3	489.2	376.7	315.8
110°	486.7	490.8	469.2	426.7	375.0



(END OF REPORT)