

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: P730467

Luminaire Tested: **HBLED-LD5-15SE-W-A-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-A-UNV-L740
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14511.0 lumens
Efficiency: N/A
Efficacy: 154.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

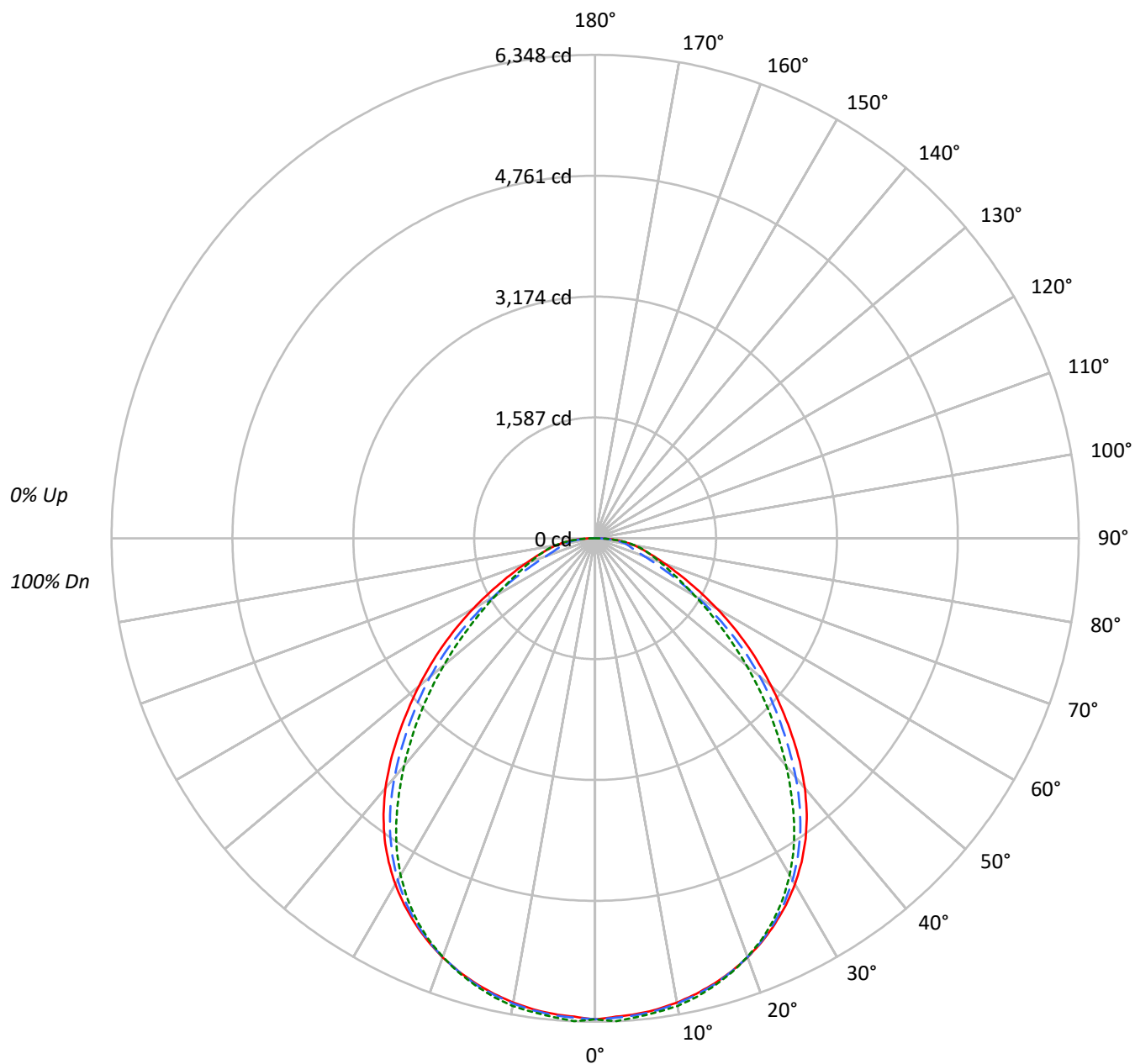
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730467

CATALOG NUMBER: HBLED-LD5-15SE-W-A-UNV-L740

Luminous Intensity Polar Plot





TEST NUMBER: P730467

CATALOG NUMBER: HBLED-LD5-15SE-W-A-UNV-L740

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35		
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10199	10199	10199
5°	10163	10186	10228
10°	10148	10172	10223
15°	10115	10135	10159
20°	10062	10054	10047
25°	9953	9918	9863
30°	9781	9662	9522
35°	9497	9258	8973
40°	9024	8637	8222
45°	8337	7871	7395
50°	7578	7088	6505
55°	6814	6137	5623
60°	5963	5015	4879
65°	5141	3944	4404
70°	4584	3219	4244
75°	4391	3142	4435
80°	4749	3716	4941
85°	5332	4474	5385



TEST NUMBER: P730467

CATALOG NUMBER: HBLED-LD5-15SE-W-A-UNV-L740

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	598.7	4.1
10°-20°	1713.4	11.8
20°-30°	2563.1	17.7
30°-40°	2924.3	20.2
40°-50°	2661.9	18.3
50°-60°	1954.6	13.5
60°-70°	1154.1	8.0
70°-80°	661.4	4.6
80°-90°	279.7	1.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4875.1	33.6
0°-40°	7799.4	53.7
0°-60°	12415.9	85.6
0°-90°	14511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14511.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6317	6317	6317	6317	6317	
5°	6271	6310	6285	6310	6310	596
15°	6051	6085	6063	6085	6078	1708
25°	5587	5607	5567	5565	5536	2572
35°	4818	4794	4697	4616	4552	3002
45°	3651	3630	3447	3293	3239	2814
55°	2421	2309	2180	2022	1998	2165
65°	1346	1175	1032	1104	1153	1354
75°	704	603	504	657	711	759
85°	288	266	242	285	291	301
90°	0	0	0	0	0	



TEST NUMBER: P730467

CATALOG NUMBER: HBLED-LD5-15SE-W-A-UNV-L740

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6316.9	6316.9	6316.9	6316.9	6316.9
2.5°	6287.6	6324.0	6301.2	6326.1	6347.5
5°	6270.6	6309.8	6284.8	6309.8	6310.5
7.5°	6239.3	6275.5	6251.4	6278.4	6275.5
10°	6190.0	6226.4	6204.3	6233.6	6235.7
12.5°	6127.4	6162.3	6139.5	6173.0	6167.3
15°	6051.1	6084.6	6063.2	6084.6	6077.5
17.5°	5961.4	5992.0	5964.3	5987.8	5975.7
20°	5855.9	5881.6	5851.7	5873.7	5847.4
22.5°	5729.9	5752.6	5721.3	5733.4	5706.3
25°	5586.7	5606.6	5567.4	5565.3	5536.1
27.5°	5427.1	5437.8	5387.9	5370.8	5337.3
30°	5246.2	5249.0	5182.7	5150.7	5107.2
32.5°	5043.1	5036.0	4951.2	4903.5	4850.0
35°	4818.0	4794.5	4696.9	4616.4	4552.3
37.5°	4563.7	4526.6	4409.8	4290.8	4229.5
40°	4281.5	4238.1	4097.8	3950.3	3901.1
42.5°	3974.5	3937.5	3772.2	3618.3	3569.8
45°	3651.1	3629.7	3447.3	3292.7	3238.6
47.5°	3327.6	3312.0	3133.9	2976.4	2910.9
50°	3017.0	2982.8	2821.9	2649.4	2589.6
52.5°	2715.7	2645.8	2504.1	2327.4	2283.3
55°	2420.7	2308.9	2180.0	2021.8	1997.6
57.5°	2128.6	1984.0	1858.7	1740.4	1739.7
60°	1846.6	1681.3	1553.0	1491.0	1511.0
62.5°	1582.2	1412.7	1273.8	1278.0	1314.4
65°	1345.7	1174.7	1032.3	1104.2	1152.7
67.5°	1142.7	979.5	834.9	968.9	1015.1
70°	971.0	823.5	681.8	849.2	899.1
72.5°	826.4	702.4	574.9	749.4	800.0
75°	703.9	603.4	503.7	656.9	710.9
77.5°	604.1	515.1	451.7	568.5	624.8
80°	510.8	432.5	399.7	483.0	531.4
82.5°	404.6	350.5	331.3	392.5	417.5
85°	287.8	265.7	241.5	285.0	290.7
87.5°	158.1	163.9	135.3	163.9	164.5
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)