

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: P730455

Luminaire Tested: **HBLED-LD5-15SE-N-CLI-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23769)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-N-CLI-UNV-L740
Description: 15000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14709.0 lumens
Efficiency: N/A
Efficacy: 156.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 0.64 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

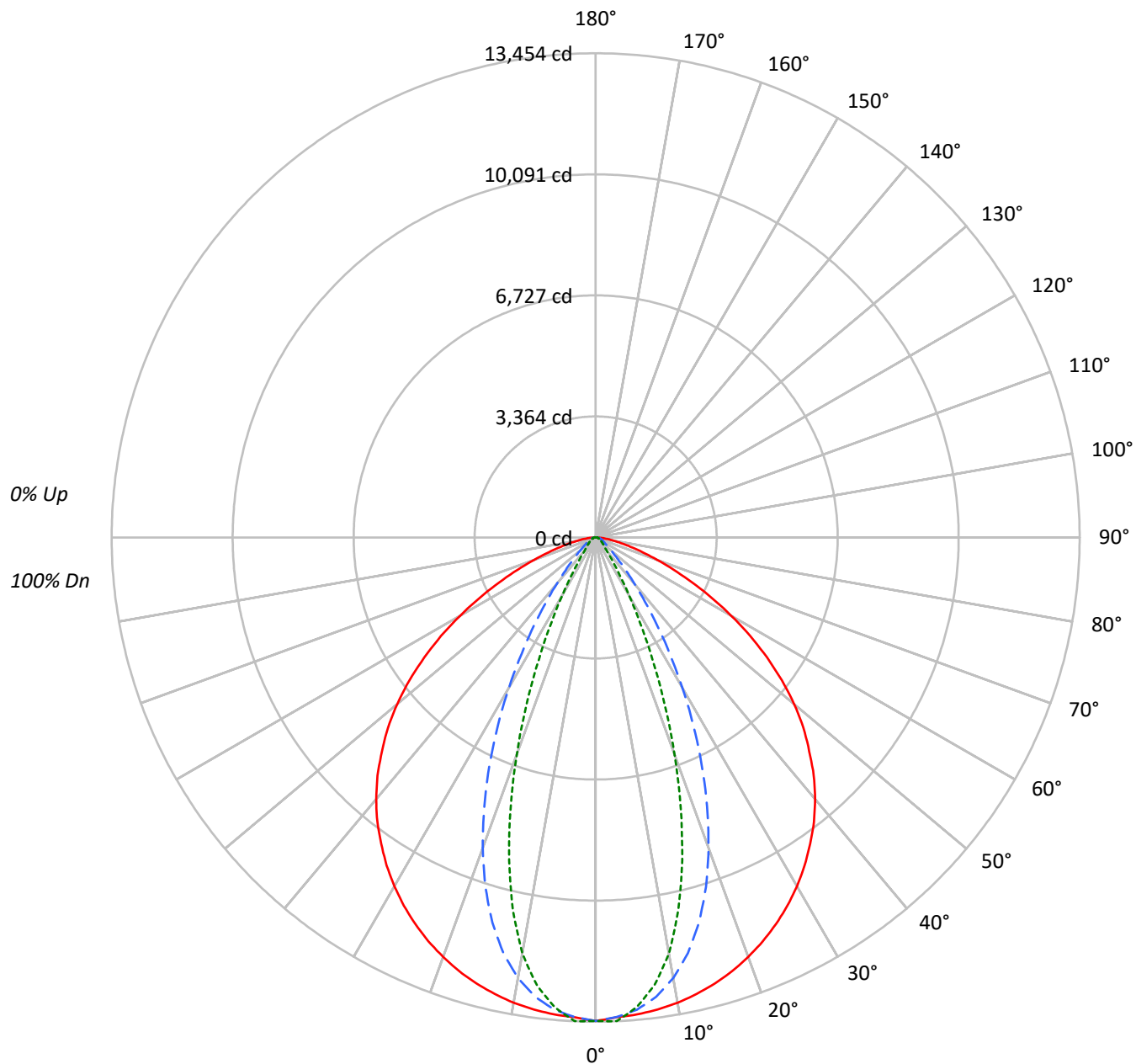
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730455

CATALOG NUMBER: HBLED-LD5-15SE-N-CLI-UNV-L740

Luminous Intensity Polar Plot





TEST NUMBER: P730455

CATALOG NUMBER: HBLED-LD5-15SE-N-CLI-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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	108	105	102	109	106	103	101	102	100	98		98	96	95		95
2	105	98	93	89	102	97	92	88	93	89	86		90	87	84		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	75		81
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	63	84	75	68	63	73	67	62		71	66	62		69
6	81	70	63	58	79	69	62	57	68	62	57		66	61	57		65
7	76	65	58	53	75	64	58	53	63	57	52		62	56	52		60
8	72	61	54	49	70	60	53	49	59	53	48		58	52	48		57
9	68	57	50	45	67	56	50	45	55	49	45		54	49	45		53
10	64	53	47	42	63	53	46	42	52	46	42		51	46	42		50

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21693	21693	21693
5°	21563	21348	21236
10°	21526	20381	19233
15°	21440	18526	15532
20°	21311	15764	11009
25°	21120	12430	6651
30°	20864	8972	3418
35°	20487	5865	1707
40°	20001	3523	996
45°	19170	2104	745
50°	18081	1376	626
55°	16364	1044	546
60°	14063	889	498
65°	11312	811	470
70°	8522	869	468
75°	6268	826	481
80°	4586	822	526
85°	3435	997	682



TEST NUMBER: P730455

CATALOG NUMBER: HBLED-LD5-15SE-N-CLI-UNV-L740

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1237.3	8.4
10°-20°	3078.3	20.9
20°-30°	3409.6	23.2
30°-40°	2731.7	18.6
40°-50°	1950.1	13.3
50°-60°	1252.6	8.5
60°-70°	678.8	4.6
70°-80°	290.1	2.0
80°-90°	80.5	0.5
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°	7725.2	52.5
0°-40°	10456.9	71.1
0°-60°	13659.6	92.9
0°-90°	14709.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14709.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13436	13436	13436	13436	13436	
5°	13304	13354	13172	13130	13102	###
15°	12826	12425	11083	9795	9292	3619
25°	11855	10454	6978	4546	3734	5462
35°	10394	7518	2976	1200	866	6499
45°	8396	4340	921	392	326	6471
55°	5813	1940	371	228	194	5181
65°	2961	797	212	146	123	2965
75°	1005	292	132	92	77	1117
85°	185	77	54	45	37	226
90°	0	0	0	0	0	



TEST NUMBER: P730455

CATALOG NUMBER: HBLED-LD5-15SE-N-CLI-UNV-L740

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13435.6	13435.6	13435.6	13435.6	13435.6
2.5°	13347.1	13430.7	13340.7	13396.6	13454.0
5°	13304.0	13353.5	13171.6	13129.9	13102.3
7.5°	13228.9	13214.8	12873.1	12651.5	12544.6
10°	13129.9	13015.2	12431.4	11944.6	11730.9
12.5°	12988.4	12752.0	11833.4	10978.6	10616.3
15°	12826.3	12425.1	11083.3	9794.7	9292.3
17.5°	12632.4	12042.9	10186.7	8525.2	7862.1
20°	12403.1	11581.5	9174.8	7176.4	6407.1
22.5°	12147.0	11049.4	8091.4	5831.8	5006.7
25°	11855.4	10453.5	6977.5	4546.0	3733.6
27.5°	11540.5	9791.9	5870.1	3396.8	2655.8
30°	11190.9	9075.7	4812.1	2449.2	1833.6
32.5°	10809.5	8314.3	3829.2	1722.4	1254.0
35°	10394.1	7518.2	2975.7	1200.2	866.2
37.5°	9968.8	6705.8	2247.5	848.4	621.3
40°	9489.7	5896.2	1671.5	621.3	472.7
42.5°	8975.2	5102.2	1237.0	478.3	382.8
45°	8395.7	4340.0	921.4	392.1	326.3
47.5°	7833.8	3629.6	699.9	334.0	283.8
50°	7198.3	2988.5	547.7	291.6	249.1
52.5°	6523.9	2424.5	444.4	256.9	219.4
55°	5813.4	1940.4	370.8	227.9	193.9
57.5°	5093.7	1537.0	317.0	203.1	172.7
60°	4354.9	1229.2	275.3	181.9	154.2
62.5°	3633.9	983.0	240.6	163.5	138.0
65°	2960.9	796.8	212.3	146.5	123.1
67.5°	2338.8	629.8	198.2	131.6	111.1
70°	1805.2	490.4	184.0	117.5	99.1
72.5°	1367.9	376.5	162.8	104.7	87.8
75°	1004.8	291.6	132.4	92.0	77.1
77.5°	719.0	224.4	107.6	79.9	66.5
80°	493.2	167.0	88.4	68.6	56.6
82.5°	320.6	118.2	71.5	56.6	46.7
85°	185.4	77.1	53.8	44.6	36.8
87.5°	79.9	42.4	36.8	33.3	28.3
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)