

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: P#

Luminaire Tested: **HBLED-LD5-12SE-N-CLWG-UNV-L735-ED1-U**

Issue Date: 3/3/2020

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33344)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-N-CLWG-UNV-L735-ED1-U
Description: METALUX HIGH BAY LINEAR LED
NARROW DISTRIBUTION WITH CLEAR LENS, WIREGUARD & DOORFRAME
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

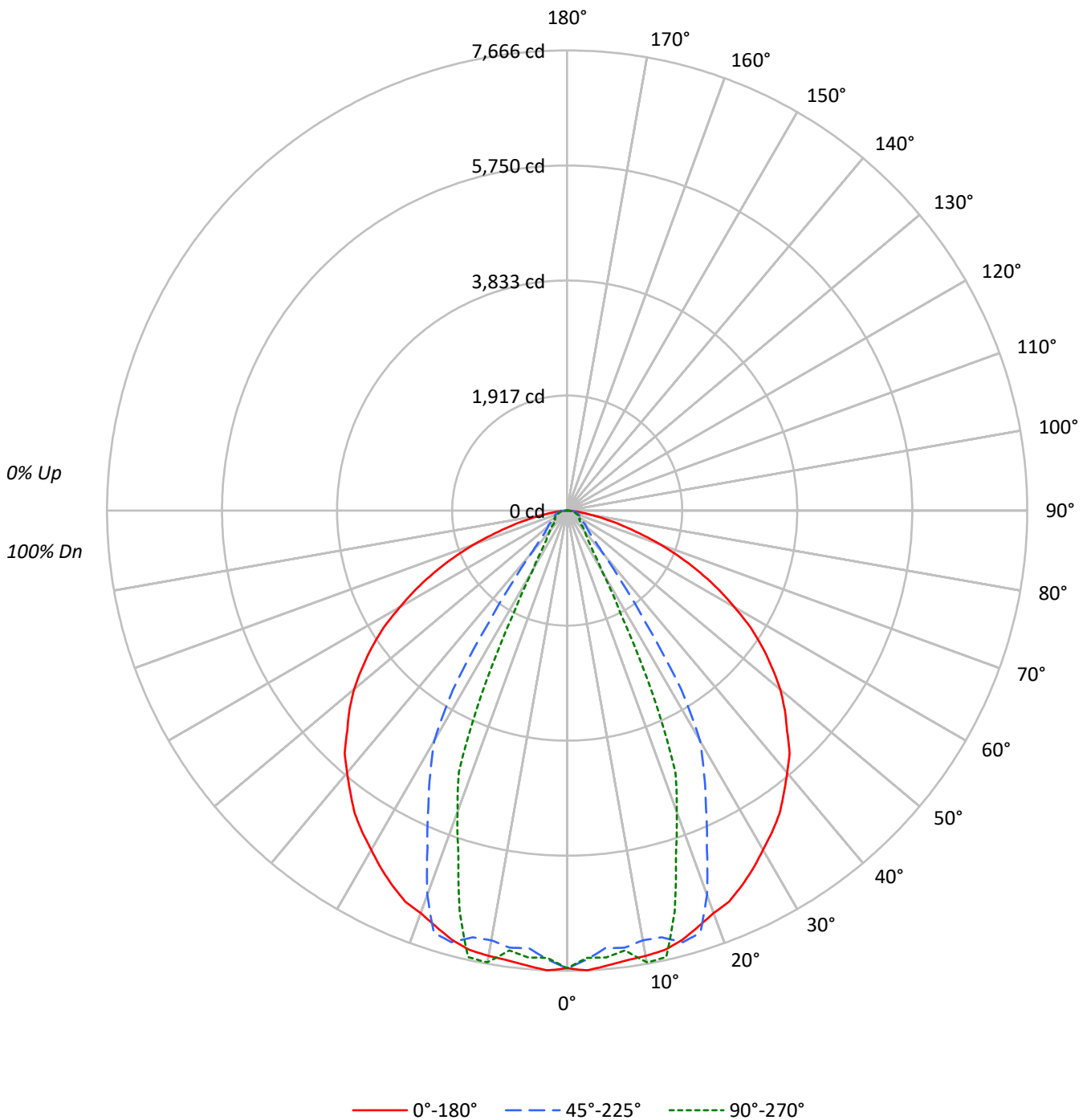
Lumens per Lamp: N/A
Luminaire Lumens: 10250.0 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.81 / 0.91
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 76.6
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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	108	104	101	109	105	103	100	101	99	97		98	96	94		94	92	91	89
2	104	97	92	88	101	96	91	87	92	88	85		89	86	83		86	84	81	79
3	97	89	82	77	95	87	81	76	84	79	75		82	77	74		79	76	73	71
4	90	81	74	68	88	80	73	68	77	72	67		75	70	66		73	69	65	64
5	85	74	67	62	83	73	66	61	71	65	61		69	64	60		68	63	59	58
6	79	68	61	56	78	68	61	56	66	60	55		64	59	55		63	58	54	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55	50	46	44
9	66	55	48	43	65	54	48	43	53	47	43		52	47	43		52	46	43	41
10	63	52	45	40	62	51	45	40	50	44	40		49	44	40		48	43	40	38

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10259	10259	10259
5°	10276	9884	10092
10°	10291	9932	10441
15°	10313	10367	9636
20°	10216	9751	7648
25°	10231	8129	4996
30°	10139	6886	1795
35°	10128	3731	1010
40°	10013	1626	791
45°	9859	1005	620
50°	9705	876	585
55°	9324	759	573
60°	8650	680	615
65°	7776	769	672
70°	6521	827	693
75°	4875	943	751
80°	3061	1095	856
85°	2039	1372	1254



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	706.7	6.9
10°-20°	1995.5	19.5
20°-30°	2443.6	23.8
30°-40°	1918.9	18.7
40°-50°	1423.0	13.9
50°-60°	866.3	8.5
60°-70°	518.9	5.1
70°-80°	284.7	2.8
80°-90°	92.3	0.9
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°	5145.8	50.2
0°-40°	7064.7	68.9
0°-60°	9354.0	91.3
0°-90°	10250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10250.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7624	7624	7624	7624	7624	
5°	7608	7401	7318	7399	7472	724
15°	7404	7201	7443	7142	6917	2085
25°	6891	6913	5476	4295	3365	3172
35°	6166	5609	2271	760	615	3848
45°	5181	3720	528	400	326	4006
55°	3975	1025	324	274	244	3537
65°	2442	302	242	227	211	2413
75°	938	191	181	158	144	1015
85°	132	104	89	82	81	161
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7624.5	7624.5	7624.5	7624.5	7624.5
2.5°	7666.1	7562.8	7483.7	7439.5	7457.5
5°	7608.0	7400.9	7318.2	7398.9	7472.4
7.5°	7557.7	7249.9	7343.4	7350.6	7389.1
10°	7532.0	7235.5	7269.4	7429.2	7642.4
12.5°	7498.1	7268.9	7280.7	7498.6	7618.8
15°	7404.0	7201.1	7442.6	7142.0	6917.4
17.5°	7266.8	7042.8	7374.7	6327.0	6021.8
20°	7134.8	6870.6	6810.0	5635.9	5341.4
22.5°	7049.5	6844.4	6083.4	5021.8	4717.6
25°	6891.2	6912.8	5475.6	4294.7	3365.2
27.5°	6717.0	6752.0	4938.1	2864.2	1928.0
30°	6525.9	6565.9	4432.4	1692.6	1155.1
32.5°	6352.7	6126.6	3539.9	1056.0	803.1
35°	6166.2	5609.2	2271.2	760.0	614.6
37.5°	5931.3	5065.5	1437.7	601.2	515.9
40°	5701.1	4577.4	926.0	513.3	450.1
42.5°	5485.8	4175.0	673.7	448.6	406.5
45°	5181.1	3720.3	528.2	400.3	325.8
47.5°	4917.5	3186.9	461.9	338.6	281.1
50°	4636.4	2436.7	418.3	301.1	279.5
52.5°	4303.0	1594.0	386.4	288.3	261.0
55°	3974.6	1025.1	323.7	273.9	244.1
57.5°	3620.1	650.0	285.7	265.7	254.9
60°	3214.6	438.3	252.8	251.8	228.7
62.5°	2839.5	360.2	244.1	241.5	216.3
65°	2442.3	302.1	241.5	227.1	211.2
67.5°	2045.6	259.0	218.4	207.6	193.7
70°	1657.7	236.9	210.2	205.5	176.2
72.5°	1258.9	195.3	186.5	174.2	146.4
75°	937.8	190.6	181.4	157.8	144.4
77.5°	634.6	175.7	164.9	141.3	130.5
80°	395.1	161.3	141.3	123.8	110.5
82.5°	234.8	134.6	116.1	102.3	93.5
85°	132.1	103.8	88.9	81.7	81.2
87.5°	28.3	37.5	29.8	28.3	20.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)