

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-LD5-30SE-N-CLWG-UNV-L735-ED3-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-LD5-30SE-N-CLWG-UNV-L735-ED3-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

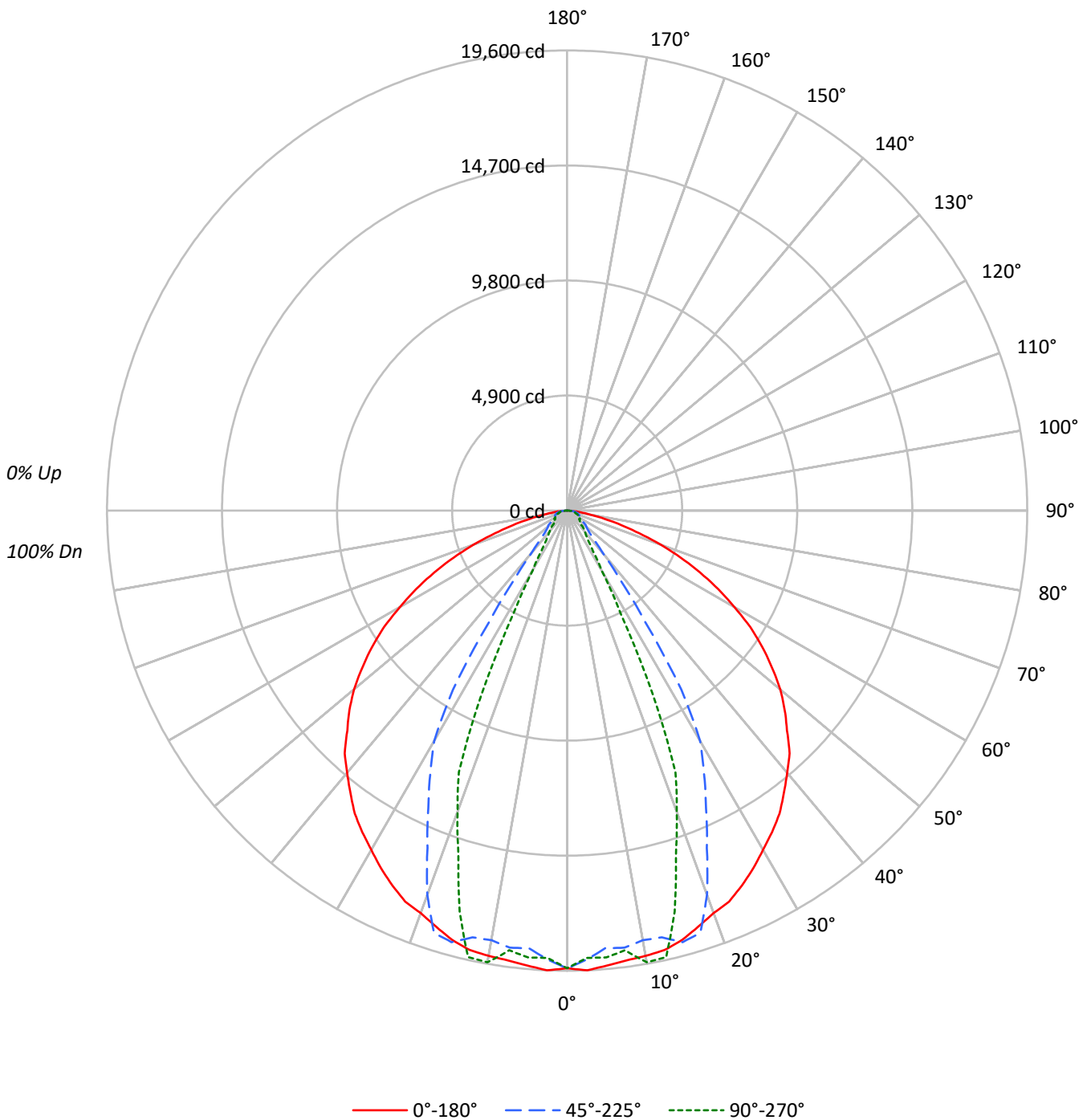
Lumens per Lamp: N/A
Luminaire Lumens: 26206.0 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.81 / 0.91
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 193
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



TEST NUMBER: P#
CATALOG NUMBER: HBLED-LD5-30SE-N-CLWG-UNV-L735-ED3-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: HBLED-LD5-30SE-N-CLWG-UNV-L735-ED3-U

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26228	26228	26228
5°	26271	25271	25803
10°	26310	25392	26695
15°	26368	26506	24635
20°	26119	24930	19554
25°	26156	20783	12773
30°	25922	17606	4588
35°	25894	9538	2581
40°	25601	4158	2021
45°	25206	2570	1585
50°	24813	2238	1496
55°	23837	1942	1464
60°	22117	1739	1573
65°	19880	1966	1719
70°	16672	2114	1773
75°	12464	2411	1919
80°	7828	2799	2189
85°	5212	3509	3205



TEST NUMBER: P#

CATALOG NUMBER: HBLED-LD5-30SE-N-CLWG-UNV-L735-ED3-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1806.8	6.9
10°-20°	5101.9	19.5
20°-30°	6247.4	23.8
30°-40°	4906.1	18.7
40°-50°	3638.2	13.9
50°-60°	2214.9	8.5
60°-70°	1326.7	5.1
70°-80°	727.9	2.8
80°-90°	236.1	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°	13156.1	50.2
0°-40°	18062.2	68.9
0°-60°	23915.3	91.3
0°-90°	26206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26206.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19493	19493	19493	19493	19493	
5°	19451	18922	18710	18917	19104	###
15°	18930	18411	19028	18260	17686	5330
25°	17619	17674	13999	10980	8604	8110
35°	15765	14341	5807	1943	1571	9837
45°	13246	9512	1350	1023	833	10243
55°	10162	2621	828	700	624	9043
65°	6244	772	618	581	540	6169
75°	2398	487	464	403	369	2596
85°	338	265	227	209	208	412
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: HBLED-LD5-30SE-N-CLWG-UNV-L735-ED3-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19493.3	19493.3	19493.3	19493.3	19493.3
2.5°	19599.7	19335.7	19133.4	19020.4	19066.4
5°	19451.3	18921.9	18710.3	18916.6	19104.5
7.5°	19322.5	18535.6	18774.7	18793.1	18891.6
10°	19256.9	18498.8	18585.5	18994.1	19539.3
12.5°	19170.2	18584.2	18614.4	19171.5	19478.9
15°	18929.7	18410.8	19028.3	18259.7	17685.6
17.5°	18579.0	18006.2	18854.9	16176.1	15395.8
20°	18241.3	17566.1	17411.1	14409.1	13656.4
22.5°	18023.3	17499.1	15553.4	12839.2	12061.5
25°	17618.6	17673.8	13999.3	10980.3	8603.7
27.5°	17173.3	17262.6	12625.1	7322.8	4929.2
30°	16684.6	16787.0	11332.4	4327.5	2953.3
32.5°	16241.8	15663.8	9050.4	2699.7	2053.4
35°	15764.9	14340.8	5806.7	1943.0	1571.2
37.5°	15164.5	12950.9	3675.9	1537.1	1319.0
40°	14576.0	11702.8	2367.4	1312.4	1150.8
42.5°	14025.5	10674.2	1722.3	1146.9	1039.2
45°	13246.5	9511.5	1350.5	1023.4	832.9
47.5°	12572.5	8147.8	1181.1	865.8	718.6
50°	11853.9	6229.8	1069.4	769.9	714.7
52.5°	11001.3	4075.2	987.9	737.0	667.4
55°	10161.8	2620.9	827.7	700.2	624.0
57.5°	9255.3	1661.9	730.4	679.2	651.6
60°	8218.8	1120.6	646.4	643.7	584.6
62.5°	7259.8	920.9	624.0	617.5	553.1
65°	6244.2	772.5	617.5	580.7	539.9
67.5°	5230.0	662.1	558.3	530.8	495.3
70°	4238.1	605.6	537.3	525.5	450.6
72.5°	3218.7	499.2	476.9	445.4	374.4
75°	2397.6	487.4	463.8	403.3	369.2
77.5°	1622.5	449.3	421.7	361.3	333.7
80°	1010.3	412.5	361.3	316.6	282.5
82.5°	600.4	344.2	296.9	261.4	239.1
85°	337.6	265.4	227.3	208.9	207.6
87.5°	72.3	95.9	76.2	72.3	51.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)