

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-LD5-30HE-W-CLWG-UNV-L835-ED2-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 (P33385)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-CLWG-UNV-L835-ED2-U
Description: METALUX HIGH BAY LINEAR LED
WIDE DISTRIBUTION WITH CLEAR LENS, WIREGUARD & DOORFRAME
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26646.0 lumens
Efficiency: N/A
Efficacy: 148.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

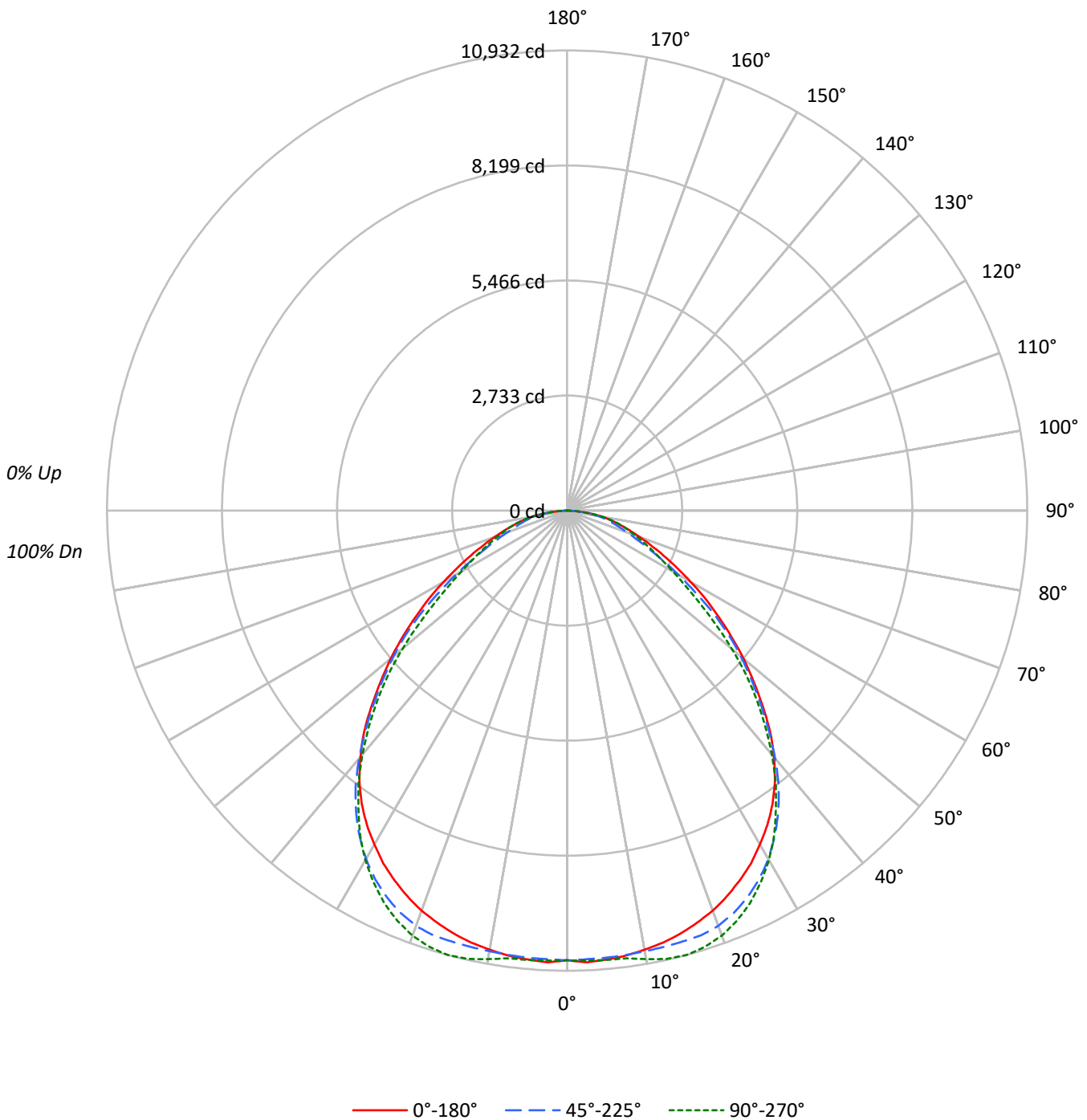
Input Watts (W): 180
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50	48
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14376	14376	14376
5°	14460	14401	14471
10°	14473	14522	14782
15°	14491	14764	15228
20°	14481	15034	15385
25°	14393	15048	15268
30°	14228	14848	14895
35°	13973	14367	14195
40°	13422	13505	13292
45°	12506	12375	12124
50°	11450	11266	10689
55°	10285	9904	9037
60°	9121	8195	7801
65°	8037	6808	7080
70°	7188	5908	6743
75°	6733	5745	6819
80°	6555	5808	6492
85°	5233	4594	4766



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1017.8	3.8
10°-20°	2998.0	11.3
20°-30°	4612.0	17.3
30°-40°	5382.5	20.2
40°-50°	5001.7	18.8
50°-60°	3707.5	13.9
60°-70°	2266.4	8.5
70°-80°	1290.9	4.8
80°-90°	369.2	1.4
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°	8627.7	32.4
0°-40°	14010.2	52.6
0°-60°	22719.4	85.3
0°-90°	26646.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26646.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10684	10684	10684	10684	10684	
5°	10706	10657	10662	10654	10715	###
15°	10403	10398	10599	10808	10932	2936
25°	9695	9769	10136	10221	10285	4466
35°	8507	8573	8747	8675	8642	5301
45°	6573	6611	6504	6402	6371	5065
55°	4384	4274	4222	3922	3853	3935
65°	2524	2293	2138	2196	2224	2526
75°	1295	1215	1105	1259	1312	1386
85°	339	331	298	309	309	391
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10684.3	10684.3	10684.3	10684.3	10684.3
2.5°	10742.1	10681.5	10670.5	10645.7	10700.8
5°	10706.3	10656.7	10662.2	10654.0	10714.6
7.5°	10665.0	10629.2	10651.2	10648.5	10728.4
10°	10593.3	10574.0	10629.2	10689.8	10819.3
12.5°	10513.4	10494.1	10615.4	10769.7	10910.3
15°	10403.2	10397.7	10598.8	10808.3	10932.3
17.5°	10265.4	10273.7	10579.6	10758.7	10868.9
20°	10113.8	10127.6	10499.6	10645.7	10744.9
22.5°	9918.2	9965.0	10345.3	10466.6	10543.7
25°	9694.9	9769.3	10135.9	10221.3	10284.7
27.5°	9455.2	9529.6	9876.8	9920.9	9956.7
30°	9157.6	9262.3	9557.2	9562.7	9587.5
32.5°	8854.4	8948.1	9174.1	9149.3	9154.8
35°	8507.2	8573.3	8746.9	8675.3	8642.2
37.5°	8107.6	8143.4	8253.7	8146.2	8140.7
40°	7641.9	7688.7	7688.7	7539.9	7567.5
42.5°	7145.8	7162.4	7093.5	6952.9	6975.0
45°	6572.6	6611.2	6503.7	6401.7	6371.4
47.5°	6004.9	6043.5	5930.5	5812.0	5759.6
50°	5470.3	5451.0	5382.1	5180.9	5106.5
52.5°	4916.4	4855.7	4828.2	4533.3	4447.9
55°	4384.5	4274.3	4221.9	3921.5	3852.6
57.5°	3891.2	3692.8	3593.6	3359.3	3331.8
60°	3389.6	3166.4	3045.2	2893.6	2899.1
62.5°	2934.9	2700.7	2554.6	2510.5	2529.8
65°	2524.3	2292.8	2138.5	2196.4	2223.9
67.5°	2152.3	1962.1	1788.5	1923.6	1951.1
70°	1827.1	1675.5	1501.9	1700.3	1714.1
72.5°	1557.0	1433.0	1287.0	1474.4	1504.7
75°	1295.2	1215.3	1105.1	1259.4	1311.8
77.5°	1066.5	1003.1	939.7	1033.4	1091.3
80°	846.0	782.7	749.6	799.2	837.8
82.5°	598.0	556.7	523.6	559.4	578.7
85°	339.0	330.7	297.6	308.7	308.7
87.5°	77.2	88.2	99.2	90.9	77.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)