

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: P730817

Luminaire Tested: **HBLED-LD5-30HE-N-CLI-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730817
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-LD5-30HE-N-CLI-UNV-L835
Description: 30000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27237.0 lumens
Efficiency: N/A
Efficacy: 152.2 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

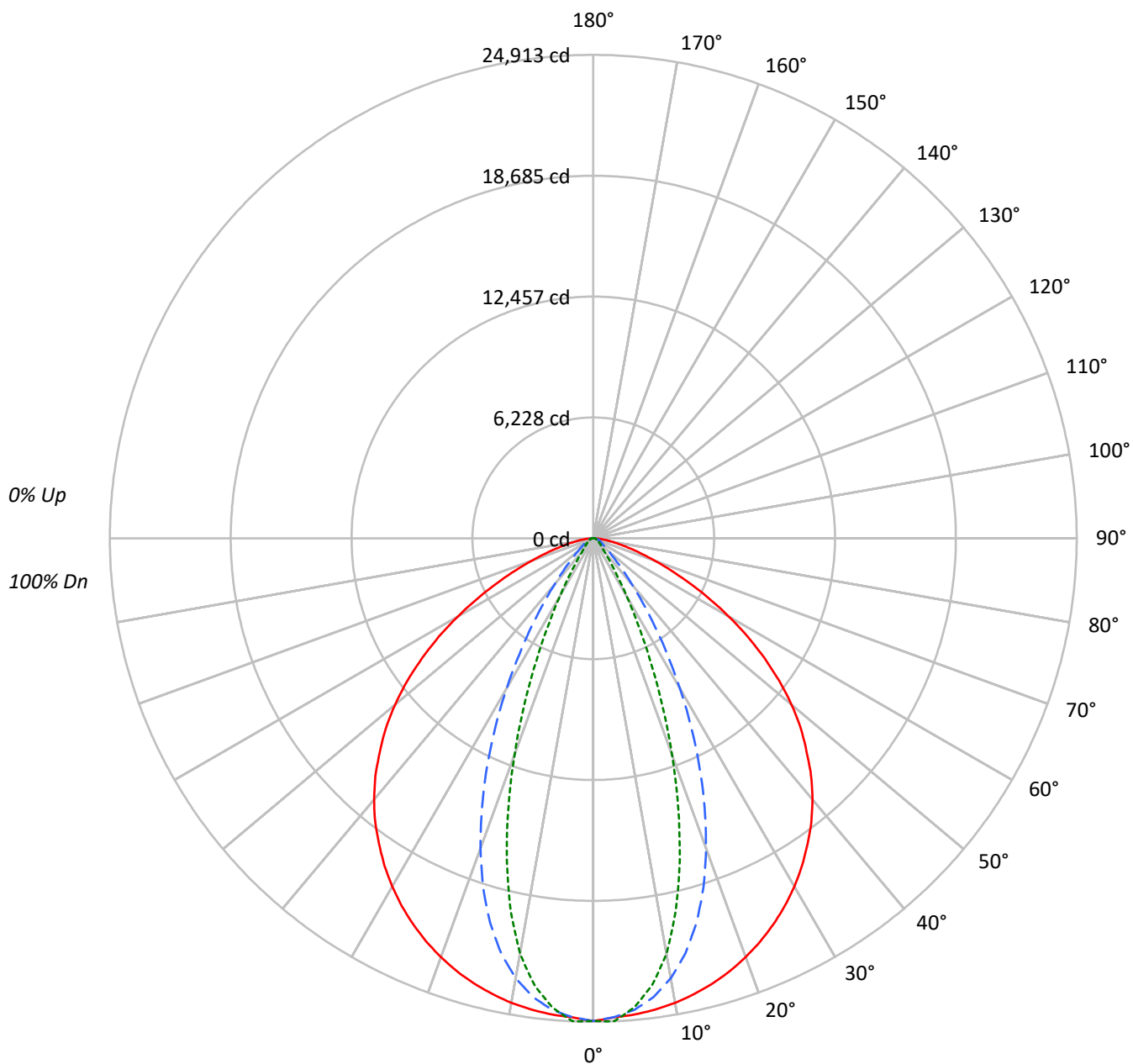
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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°	40169	40169	40169
5°	39928	39531	39323
10°	39861	37740	35614
15°	39701	34306	28762
20°	39462	29191	20385
25°	39109	23018	12317
30°	38634	16613	6330
35°	37937	10861	3161
40°	37037	6524	1845
45°	35498	3896	1379
50°	33481	2548	1158
55°	30302	1933	1011
60°	26040	1646	922
65°	20946	1502	871
70°	15780	1608	866
75°	11608	1529	891
80°	8492	1523	975
85°	6362	1847	1262



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2291.2	8.4
10°-20°	5700.1	20.9
20°-30°	6313.7	23.2
30°-40°	5058.4	18.6
40°-50°	3611.0	13.3
50°-60°	2319.4	8.5
60°-70°	1257.0	4.6
70°-80°	537.3	2.0
80°-90°	149.0	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°	14305.0	52.5
0°-40°	19363.3	71.1
0°-60°	25293.8	92.9
0°-90°	27237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27237.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24879	24879	24879	24879	24879	
5°	24635	24727	24390	24313	24262	###
15°	23751	23008	20523	18137	17207	6701
25°	21953	19357	12920	8418	6914	10113
35°	19247	13922	5510	2222	1604	12034
45°	15546	8037	1706	726	604	11983
55°	10765	3593	687	422	359	9593
65°	5483	1475	393	271	228	5490
75°	1861	540	245	170	143	2068
85°	343	143	100	83	68	419
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	24879.0	24879.0	24879.0	24879.0	24879.0
2.5°	24715.2	24869.9	24703.4	24806.9	24913.0
5°	24635.3	24727.1	24390.2	24312.9	24261.9
7.5°	24496.3	24470.1	23837.3	23427.1	23229.2
10°	24312.9	24100.6	23019.5	22118.1	21722.3
12.5°	24050.8	23613.2	21912.3	20329.3	19658.5
15°	23750.8	23007.8	20523.3	18137.1	17206.7
17.5°	23391.7	22300.1	18863.0	15786.3	14558.4
20°	22967.2	21445.8	16989.2	13288.6	11864.2
22.5°	22492.8	20460.4	14983.0	10798.9	9271.1
25°	21952.9	19357.0	12920.5	8418.0	6913.6
27.5°	21369.9	18131.9	10869.7	6289.9	4917.8
30°	20722.4	16805.7	8910.6	4535.3	3395.3
32.5°	20016.2	15395.8	7090.6	3189.5	2322.0
35°	19247.0	13921.6	5510.1	2222.4	1603.9
37.5°	18459.4	12417.2	4161.8	1571.1	1150.5
40°	17572.3	10918.1	3095.2	1150.5	875.3
42.5°	16619.7	9447.9	2290.6	885.8	708.9
45°	15546.4	8036.6	1706.2	726.0	604.1
47.5°	14506.0	6721.0	1296.0	618.5	525.4
50°	13329.3	5533.8	1014.2	539.9	461.2
52.5°	12080.5	4489.4	822.9	475.7	406.2
55°	10764.8	3593.0	686.6	421.9	359.1
57.5°	9432.2	2846.1	587.1	376.0	319.8
60°	8064.1	2276.1	509.7	336.7	285.6
62.5°	6728.9	1820.2	445.5	302.7	255.6
65°	5482.7	1475.4	393.1	271.3	228.0
67.5°	4330.8	1166.3	366.9	243.7	205.8
70°	3342.7	908.1	340.7	217.5	183.5
72.5°	2532.9	697.2	301.5	193.9	162.5
75°	1860.7	539.9	245.1	170.4	142.8
77.5°	1331.4	415.4	199.2	148.0	123.2
80°	913.3	309.3	163.8	127.1	104.9
82.5°	593.7	218.9	132.3	104.9	86.4
85°	343.4	142.8	99.7	82.6	68.1
87.5°	148.0	78.6	68.1	61.6	52.4
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)