

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: P730884

Luminaire Tested: **HBLED-LD5-30SE-N-CL-WG-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730884
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33344)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-N-CL-WG-UNV-L840
Description: 30000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS, WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27811.0 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.81 / 0.91
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

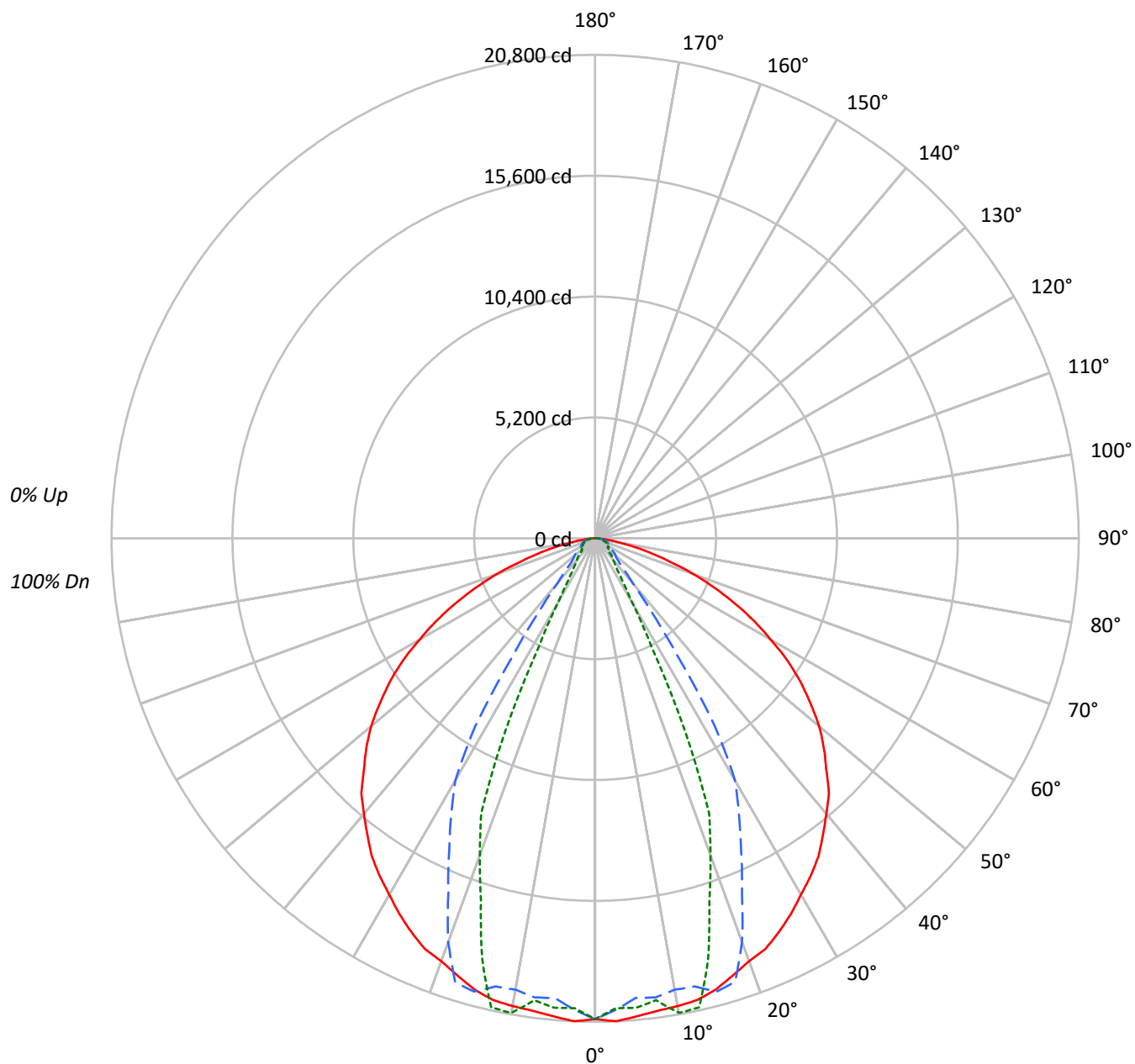
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10	50	30	10
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°	33401	33401	33401
5°	33457	32182	32860
10°	33505	32337	33997
15°	33580	33755	31373
20°	33262	31748	24901
25°	33310	26467	16266
30°	33011	22421	5843
35°	32977	12146	3287
40°	32603	5295	2574
45°	32099	3273	2018
50°	31599	2851	1905
55°	30357	2472	1864
60°	28166	2215	2003
65°	25317	2504	2189
70°	21232	2692	2257
75°	15873	3070	2444
80°	9969	3565	2787
85°	6639	4468	4081



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1917.4	6.9
10°-20°	5414.4	19.5
20°-30°	6630.0	23.8
30°-40°	5206.6	18.7
40°-50°	3861.0	13.9
50°-60°	2350.5	8.5
60°-70°	1408.0	5.1
70°-80°	772.5	2.8
80°-90°	250.6	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°	13961.8	50.2
0°-40°	19168.4	68.9
0°-60°	25380.0	91.3
0°-90°	27811.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27811.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20687	20687	20687	20687	20687	
5°	20643	20081	19856	20075	20274	###
15°	20089	19538	20194	19378	18769	5656
25°	18698	18756	14857	11653	9131	8607
35°	16730	15219	6162	2062	1668	10439
45°	14058	10094	1433	1086	884	10871
55°	10784	2782	878	743	662	9597
65°	6627	820	655	616	573	6547
75°	2544	517	492	428	392	2755
85°	358	282	241	222	220	437
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20687.2	20687.2	20687.2	20687.2	20687.2
2.5°	20800.1	20519.9	20305.2	20185.3	20234.0
5°	20642.6	20080.7	19856.2	20075.2	20274.5
7.5°	20505.9	19670.8	19924.5	19944.1	20048.7
10°	20436.3	19631.8	19723.8	20157.4	20736.0
12.5°	20344.3	19722.4	19754.5	20345.6	20671.8
15°	20089.2	19538.4	20193.7	19378.1	18768.8
17.5°	19716.8	19109.0	20009.6	17166.8	16338.7
20°	19358.5	18641.9	18477.4	15291.6	14492.7
22.5°	19127.1	18570.8	16506.0	13625.5	12800.1
25°	18697.7	18756.2	14856.7	11652.7	9130.7
27.5°	18225.0	18319.9	13398.3	7771.3	5231.0
30°	17706.4	17815.2	12026.3	4592.4	3134.2
32.5°	17236.6	16623.1	9604.6	2865.1	2179.1
35°	16730.5	15219.1	6162.4	2062.0	1667.5
37.5°	16093.4	13744.0	3901.0	1631.2	1399.8
40°	15468.8	12419.6	2512.4	1392.8	1221.4
42.5°	14884.5	11327.9	1827.8	1217.2	1102.9
45°	14057.8	10094.0	1433.3	1086.0	883.9
47.5°	13342.6	8646.9	1253.4	918.8	762.7
50°	12579.9	6611.4	1134.9	817.0	758.5
52.5°	11675.1	4324.8	1048.4	782.2	708.2
55°	10784.2	2781.5	878.3	743.1	662.2
57.5°	9822.2	1763.7	775.2	720.7	691.5
60°	8722.2	1189.2	686.0	683.1	620.4
62.5°	7704.3	977.3	662.2	655.3	587.0
65°	6626.7	819.8	655.3	616.2	573.0
67.5°	5550.3	702.7	592.6	563.2	525.6
70°	4497.7	642.8	570.3	557.7	478.1
72.5°	3415.8	529.8	506.1	472.7	397.4
75°	2544.4	517.2	492.1	428.0	391.8
77.5°	1721.9	476.8	447.6	383.4	354.2
80°	1072.2	437.8	383.4	336.0	299.7
82.5°	637.1	365.3	315.1	277.5	253.7
85°	358.4	281.7	241.2	221.7	220.3
87.5°	76.7	101.8	80.9	76.7	54.3
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)