

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: P730882

Luminaire Tested: **HBLED-LD5-30SE-N-CL-WG-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730882
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-L750
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: 29836.0 lumens
Efficiency: N/A
Efficacy: 157.0 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

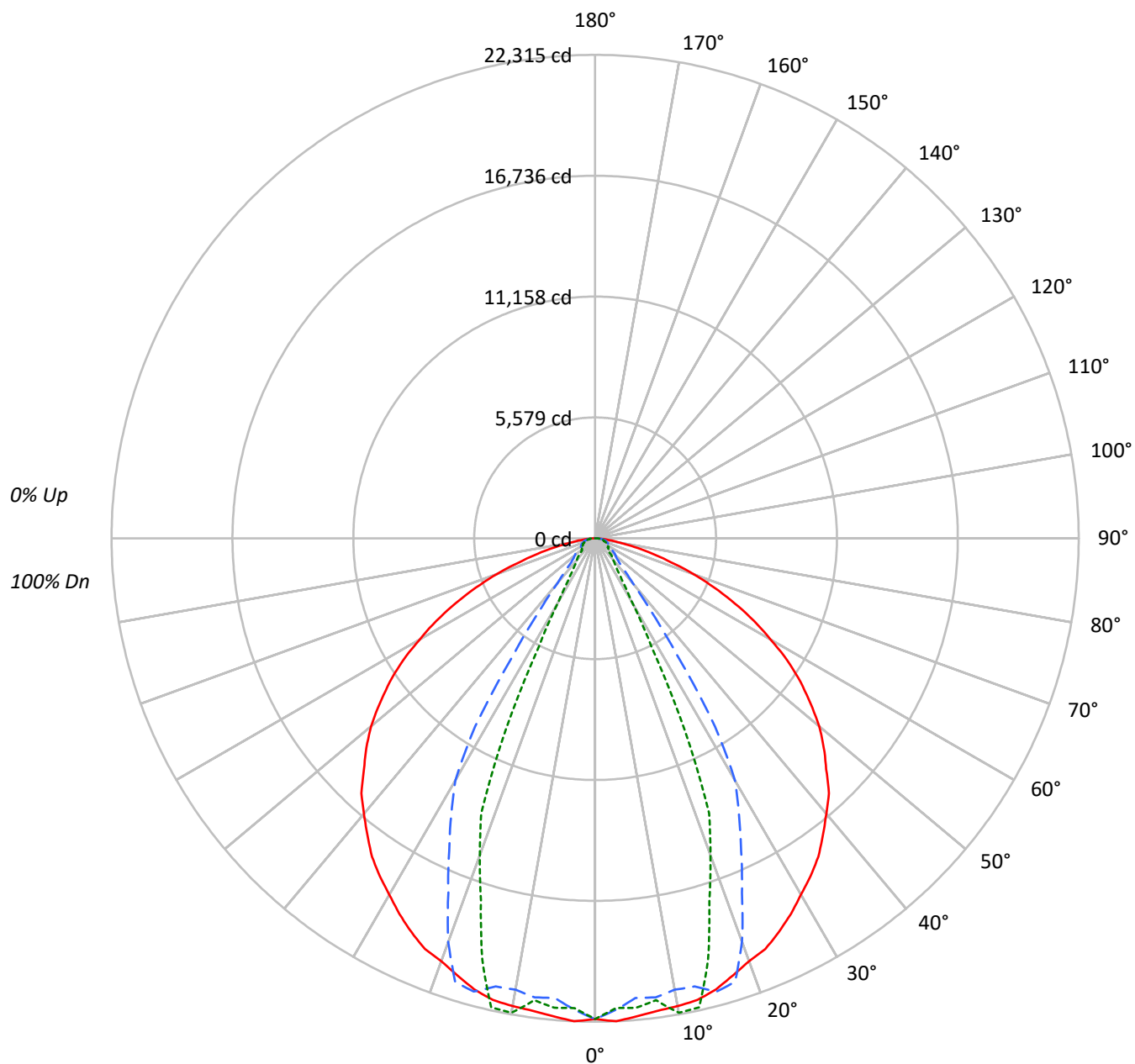
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	35833	35833	35833
5°	35893	34525	35253
10°	35945	34692	36472
15°	36025	36212	33657
20°	35684	34060	26715
25°	35735	28394	17451
30°	35415	24054	6269
35°	35378	13031	3526
40°	34977	5681	2762
45°	34436	3511	2165
50°	33900	3058	2044
55°	32567	2653	2000
60°	30216	2376	2149
65°	27160	2686	2348
70°	22779	2888	2422
75°	17028	3294	2622
80°	10695	3825	2989
85°	7121	4792	4378



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2057.0	6.9
10°-20°	5808.6	19.5
20°-30°	7112.8	23.8
30°-40°	5585.7	18.7
40°-50°	4142.2	13.9
50°-60°	2521.6	8.5
60°-70°	1510.5	5.1
70°-80°	828.8	2.8
80°-90°	268.8	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°	14978.4	50.2
0°-40°	20564.1	68.9
0°-60°	27227.9	91.3
0°-90°	29836.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29836.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22194	22194	22194	22194	22194	
5°	22146	21543	21302	21537	21751	###
15°	21552	20961	21664	20789	20135	6068
25°	20059	20122	15938	12501	9796	9234
35°	17949	16327	6611	2212	1789	11200
45°	15081	10829	1538	1165	948	11662
55°	11569	2984	942	797	710	10296
65°	7109	880	703	661	615	7024
75°	2730	555	528	459	420	2956
85°	384	302	259	238	236	469
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	22193.5	22193.5	22193.5	22193.5	22193.5
2.5°	22314.6	22014.0	21783.7	21655.1	21707.3
5°	22145.6	21542.8	21302.0	21536.9	21750.8
7.5°	21999.0	21103.1	21375.3	21396.3	21508.5
10°	21924.3	21061.2	21159.9	21625.1	22245.8
12.5°	21825.6	21158.5	21192.8	21827.0	22177.0
15°	21551.9	20961.0	21664.0	20789.0	20135.4
17.5°	21152.5	20500.3	21466.6	18416.8	17528.4
20°	20768.0	19999.3	19822.8	16405.0	15548.0
22.5°	20519.8	19923.0	17707.9	14617.6	13732.2
25°	20059.1	20121.9	15938.5	12501.2	9795.5
27.5°	19552.1	19653.8	14373.9	8337.2	5611.9
30°	18995.6	19112.4	12902.0	4926.8	3362.4
32.5°	18491.6	17833.5	10304.0	3073.7	2337.8
35°	17948.7	16327.2	6611.1	2212.2	1788.9
37.5°	17265.2	14744.8	4185.0	1750.0	1501.8
40°	16595.1	13323.9	2695.3	1494.2	1310.3
42.5°	15968.3	12152.8	1960.9	1305.8	1183.2
45°	15081.4	10829.0	1537.6	1165.1	948.3
47.5°	14314.1	9276.5	1344.6	985.7	818.2
50°	13495.9	7092.8	1217.5	876.5	813.7
52.5°	12525.1	4639.7	1124.7	839.1	759.8
55°	11569.4	2984.0	942.3	797.2	710.4
57.5°	10537.3	1892.1	831.7	773.2	741.8
60°	9357.2	1275.8	735.9	732.9	665.6
62.5°	8265.3	1048.5	710.4	703.0	629.7
65°	7109.2	879.5	703.0	661.1	614.7
67.5°	5954.4	753.9	635.7	604.2	563.8
70°	4825.2	689.6	611.8	598.3	513.0
72.5°	3664.5	568.3	543.0	507.1	426.3
75°	2729.6	554.9	528.0	459.1	420.3
77.5°	1847.2	511.6	480.2	411.4	380.0
80°	1150.2	469.7	411.4	360.5	321.5
82.5°	683.5	391.9	338.1	297.7	272.2
85°	384.4	302.2	258.7	237.8	236.3
87.5°	82.3	109.2	86.8	82.3	58.3
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)