

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: P730880

Luminaire Tested: **HBLED-LD5-30SE-N-CL-WG-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730880
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-L735
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: 28278.0 lumens
Efficiency: N/A
Efficacy: 148.8 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

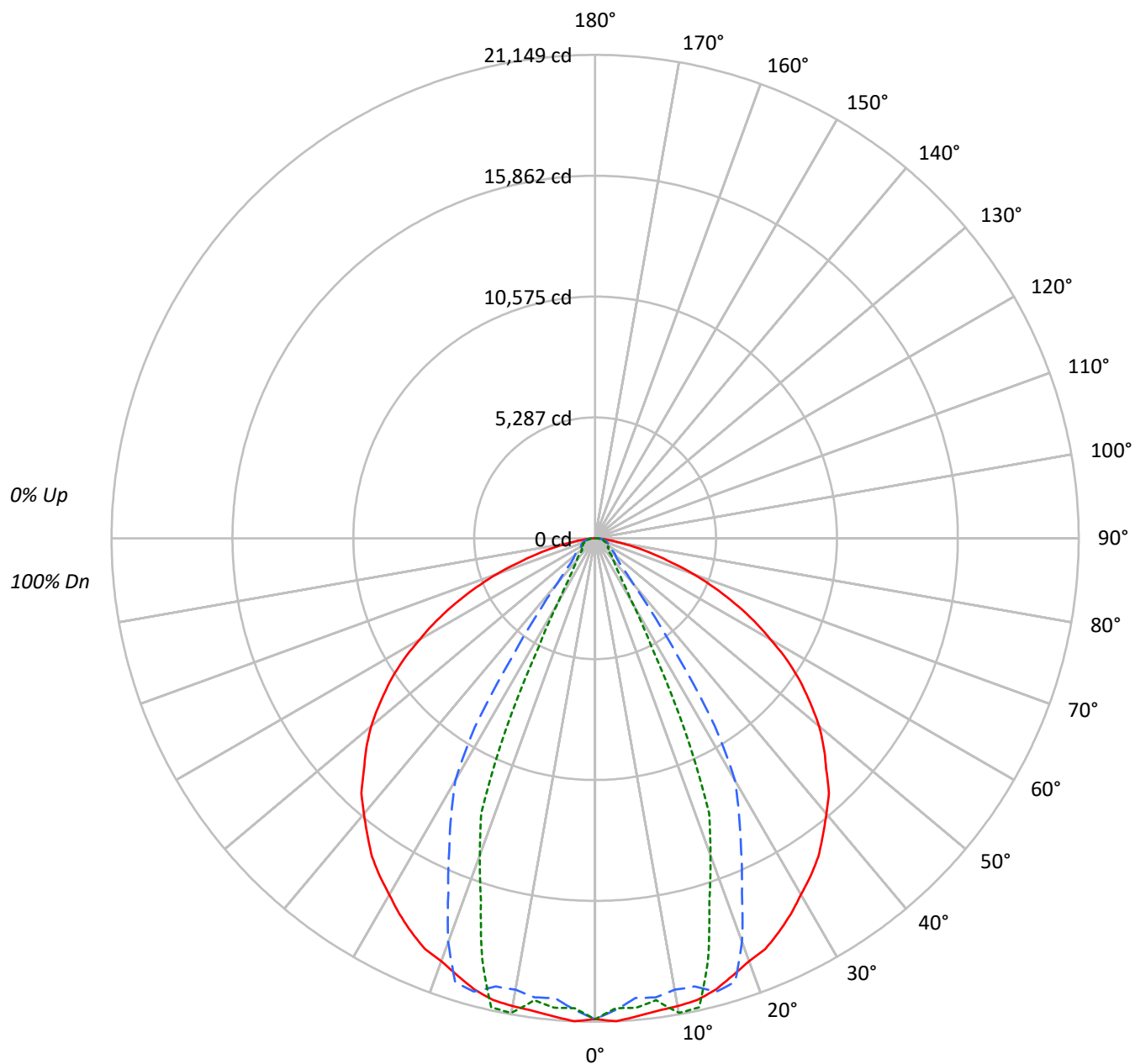
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	33962	33962	33962
5°	34018	32722	33412
10°	34068	32880	34567
15°	34144	34321	31900
20°	33820	32281	25320
25°	33869	26912	16539
30°	33565	22798	5942
35°	33530	12350	3342
40°	33151	5384	2618
45°	32638	3328	2052
50°	32129	2898	1937
55°	30867	2514	1895
60°	28638	2252	2037
65°	25742	2546	2226
70°	21589	2737	2295
75°	16139	3122	2485
80°	10137	3625	2833
85°	6751	4542	4150



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1949.6	6.9
10°-20°	5505.3	19.5
20°-30°	6741.4	23.8
30°-40°	5294.0	18.7
40°-50°	3925.9	13.9
50°-60°	2390.0	8.5
60°-70°	1431.6	5.1
70°-80°	785.5	2.8
80°-90°	254.8	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°	14196.3	50.2
0°-40°	19490.3	68.9
0°-60°	25806.1	91.3
0°-90°	28278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28278.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21035	21035	21035	21035	21035	
5°	20989	20418	20190	20412	20615	###
15°	20426	19866	20533	19704	19084	5751
25°	19012	19071	15106	11848	9284	8752
35°	17011	15475	6266	2097	1696	10615
45°	14294	10264	1457	1104	899	11053
55°	10965	2828	893	756	673	9758
65°	6738	834	666	627	583	6657
75°	2587	526	500	435	398	2801
85°	364	286	245	225	224	445
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21034.6	21034.6	21034.6	21034.6	21034.6
2.5°	21149.4	20864.5	20646.2	20524.3	20573.8
5°	20989.2	20417.9	20189.6	20412.3	20615.0
7.5°	20850.2	20001.2	20259.1	20279.0	20385.3
10°	20779.4	19961.4	20055.0	20495.8	21084.2
12.5°	20685.9	20053.6	20086.2	20687.2	21018.9
15°	20426.5	19866.5	20532.8	19703.5	19083.9
17.5°	20047.9	19429.8	20345.6	17455.1	16613.1
20°	19683.5	18954.9	18787.7	15548.4	14736.1
22.5°	19448.3	18882.7	16783.2	13854.3	13015.1
25°	19011.7	19071.2	15106.2	11848.4	9284.0
27.5°	18531.1	18627.5	13623.3	7901.8	5318.9
30°	18003.7	18114.4	12228.3	4669.6	3186.9
32.5°	17526.0	16902.2	9765.9	2913.2	2215.7
35°	17011.4	15474.7	6265.8	2096.7	1695.5
37.5°	16363.6	13974.8	3966.5	1658.6	1423.3
40°	15728.5	12628.1	2554.6	1416.2	1241.9
42.5°	15134.5	11518.2	1858.5	1237.6	1121.4
45°	14293.9	10263.5	1457.3	1104.3	898.8
47.5°	13566.6	8792.1	1274.4	934.2	775.5
50°	12791.1	6722.4	1153.9	830.8	771.2
52.5°	11871.1	4397.4	1066.0	795.3	720.1
55°	10965.3	2828.2	893.1	755.6	673.3
57.5°	9987.1	1793.3	788.2	732.9	703.1
60°	8868.6	1209.2	697.5	694.6	630.8
62.5°	7833.7	993.7	673.3	666.3	596.8
65°	6737.9	833.5	666.3	626.6	582.6
67.5°	5643.5	714.5	602.5	572.7	534.4
70°	4573.3	653.6	579.8	567.1	486.2
72.5°	3473.1	538.6	514.6	480.6	404.1
75°	2587.1	525.9	500.4	435.2	398.4
77.5°	1750.8	484.8	455.1	389.9	360.1
80°	1090.2	445.1	389.9	341.7	304.7
82.5°	647.8	371.4	320.4	282.1	258.0
85°	364.4	286.4	245.2	225.4	224.0
87.5°	78.0	103.5	82.2	78.0	55.3
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)