

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: P730803

Luminaire Tested: **HBLED-LD5-30HE-N-CL-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23768)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-N-CL-UNV-L740
Description: 30000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29719.0 lumens
Efficiency: N/A
Efficacy: 166.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.63 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

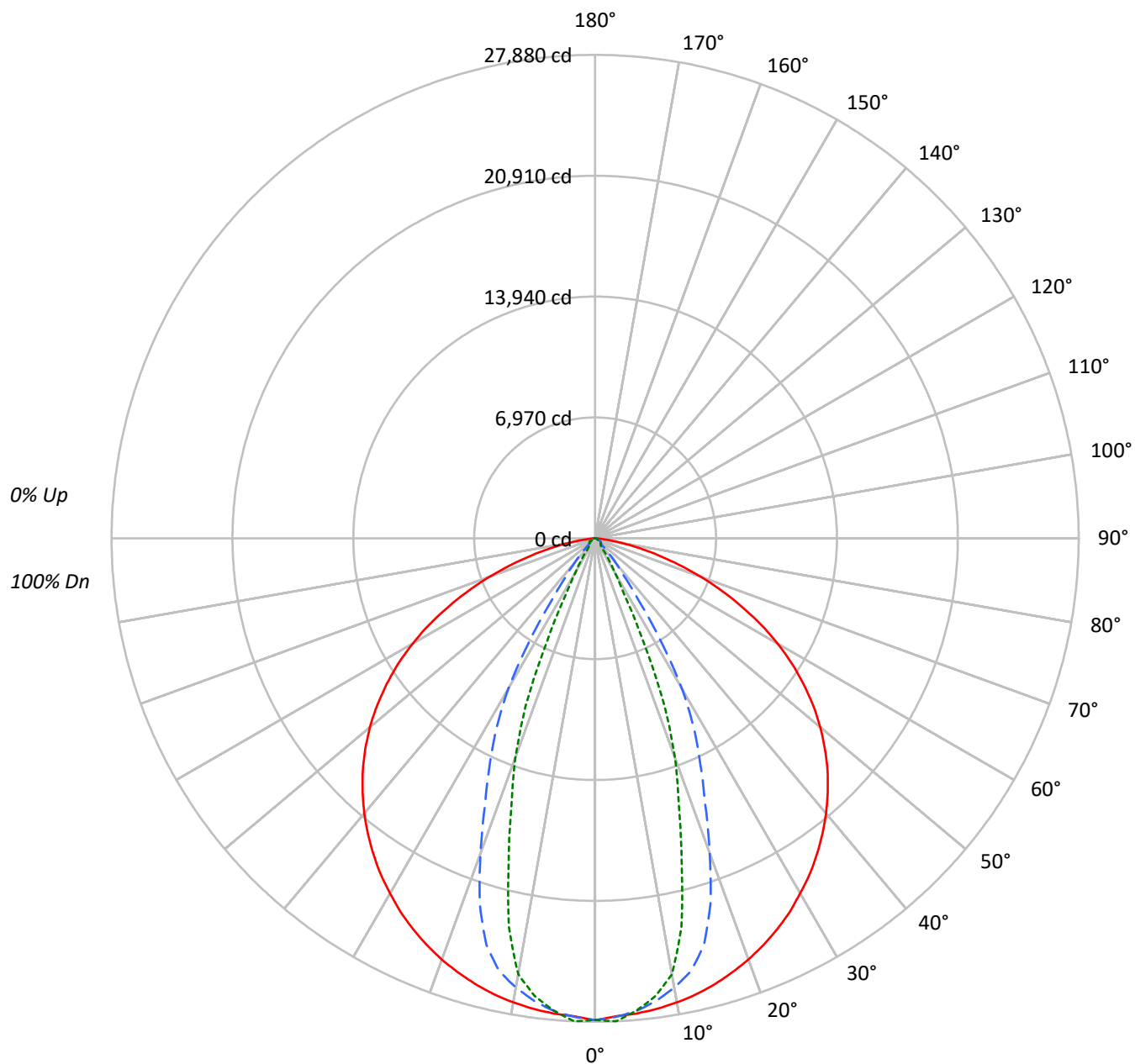
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	112	109	105	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90		
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81		
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55		
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51		
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47		
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44		
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	44866	44866	44866
5°	44591	44358	44326
10°	44560	43132	41859
15°	44509	40559	32185
20°	44423	33191	23086
25°	44283	25573	11732
30°	44074	18663	4268
35°	43916	8571	1485
40°	43646	3890	1025
45°	43258	1451	1039
50°	42568	1054	1093
55°	41309	1109	833
60°	39255	1185	735
65°	35599	902	598
70°	30523	651	550
75°	23330	577	524
80°	14597	542	569
85°	4611	634	765



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2587.0	8.7
10°-20°	6517.0	21.9
20°-30°	7097.3	23.9
30°-40°	5309.1	17.9
40°-50°	3817.4	12.8
50°-60°	2344.5	7.9
60°-70°	1349.0	4.5
70°-80°	602.1	2.0
80°-90°	95.5	0.3
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°	16201.3	54.5
0°-40°	21510.5	72.4
0°-60°	27672.3	93.1
0°-90°	29719.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29719.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27788	27788	27788	27788	27788	
5°	27512	27642	27369	27394	27349	###
15°	26628	26117	24264	20839	19255	7517
25°	24857	23074	14355	9210	6585	11458
35°	22281	15980	4348	1278	754	13937
45°	18945	8978	636	471	455	14595
55°	14675	1866	394	381	296	13084
65°	9318	205	236	196	156	9224
75°	3740	124	92	95	84	4058
85°	249	24	34	44	41	496
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	27788.0	27788.0	27788.0	27788.0	27788.0
2.5°	27594.7	27775.2	27623.1	27759.6	27880.5
5°	27512.2	27641.6	27368.6	27394.1	27348.7
7.5°	27370.0	27401.2	26907.9	26717.3	26624.9
10°	27179.4	27095.6	26307.8	25854.2	25531.4
12.5°	26939.2	26661.9	25561.2	23941.6	22976.2
15°	26627.7	26117.2	24264.4	20839.0	19254.8
17.5°	26256.6	25548.4	22117.2	17367.8	15997.1
20°	25854.2	24919.9	19317.3	14767.2	13436.1
22.5°	25379.3	24116.5	16555.9	12281.5	10454.3
25°	24857.4	23074.3	14354.8	9210.1	6585.2
27.5°	24294.3	21699.2	12317.0	5648.0	3560.6
30°	23640.2	20025.5	10010.6	3169.6	2289.4
32.5°	23001.7	18074.6	7151.1	2111.6	1463.2
35°	22280.7	15980.1	4348.4	1278.4	753.6
37.5°	21517.1	14076.0	2721.7	695.3	520.4
40°	20708.1	12270.1	1845.7	493.5	486.4
42.5°	19843.5	10636.2	1156.0	469.2	484.8
45°	18944.9	8978.3	635.6	470.7	455.1
47.5°	17969.4	7178.1	443.7	445.1	443.7
50°	16947.0	5148.9	419.5	439.4	435.2
52.5°	15845.0	3196.6	420.9	429.4	385.4
55°	14674.7	1865.6	393.9	381.1	295.8
57.5°	13444.6	1163.1	385.4	314.3	265.9
60°	12156.4	614.4	366.9	283.0	227.5
62.5°	10784.1	302.9	294.3	241.7	186.3
65°	9318.1	204.8	236.1	196.2	156.4
67.5°	7901.8	184.8	177.8	160.7	136.5
70°	6465.7	169.2	137.9	140.8	116.6
72.5°	5056.6	153.5	110.9	120.9	98.1
75°	3739.8	123.7	92.5	95.2	84.0
77.5°	2602.2	96.7	72.6	81.1	78.2
80°	1569.9	61.2	58.3	66.8	61.2
82.5°	760.7	39.8	45.5	52.5	48.3
85°	248.9	24.1	34.2	44.0	41.3
87.5°	31.3	14.3	28.4	38.4	35.5
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)