

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: P730805

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730805
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-L835
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: 27573.0 lumens
Efficiency: N/A
Efficacy: 154.0 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

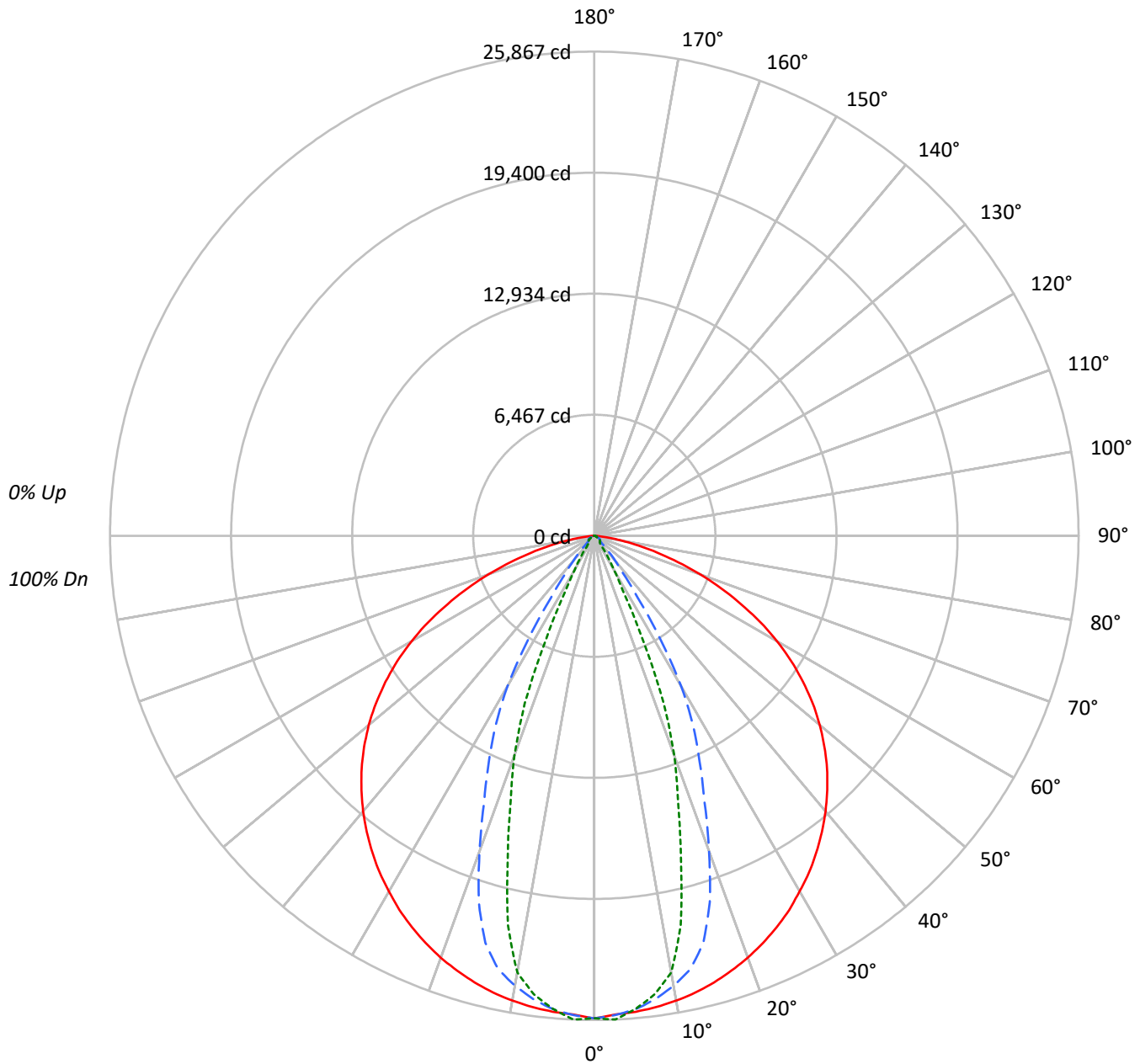
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	41626	41626	41626
5°	41371	41155	41125
10°	41343	40017	38836
15°	41295	37630	29861
20°	41215	30794	21419
25°	41086	23726	10884
30°	40891	17316	3960
35°	40745	7952	1378
40°	40495	3609	951
45°	40135	1347	964
50°	39495	978	1014
55°	38326	1029	772
60°	36421	1099	681
65°	33028	837	554
70°	28319	604	511
75°	21645	535	486
80°	13543	503	528
85°	4277	587	710



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2400.2	8.7
10°-20°	6046.4	21.9
20°-30°	6584.8	23.9
30°-40°	4925.8	17.9
40°-50°	3541.7	12.8
50°-60°	2175.2	7.9
60°-70°	1251.6	4.5
70°-80°	558.6	2.0
80°-90°	88.6	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°	15031.4	54.5
0°-40°	19957.2	72.4
0°-60°	25674.1	93.1
0°-90°	27573.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27573.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25781	25781	25781	25781	25781	
5°	25526	25646	25392	25416	25374	###
15°	24705	24231	22512	19334	17864	6974
25°	23062	21408	13318	8545	6110	10631
35°	20672	14826	4034	1186	699	12931
45°	17577	8330	590	437	422	13541
55°	13615	1731	365	354	274	12139
65°	8645	190	219	182	145	8558
75°	3470	115	86	88	78	3765
85°	231	22	32	41	38	460
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	25781.4	25781.4	25781.4	25781.4	25781.4
2.5°	25602.1	25769.6	25628.4	25755.1	25867.2
5°	25525.6	25645.6	25392.3	25416.0	25373.8
7.5°	25393.6	25422.6	24964.9	24788.1	24702.3
10°	25216.8	25139.0	24408.1	23987.3	23687.8
12.5°	24993.9	24736.6	23715.4	22212.8	21317.1
15°	24705.0	24231.3	22512.3	19334.2	17864.4
17.5°	24360.6	23703.6	20520.1	16113.7	14842.0
20°	23987.3	23120.5	17922.4	13700.8	12465.9
22.5°	23546.6	22375.1	15360.4	11394.6	9699.4
25°	23062.4	21408.1	13318.2	8545.1	6109.7
27.5°	22540.0	20132.3	11427.6	5240.2	3303.5
30°	21933.1	18579.5	9287.8	2940.7	2124.0
32.5°	21340.7	16769.5	6634.7	1959.1	1357.5
35°	20671.9	14826.2	4034.4	1186.1	699.2
37.5°	19963.4	13059.6	2525.1	645.1	482.8
40°	19212.8	11384.1	1712.4	457.9	451.2
42.5°	18410.6	9868.2	1072.5	435.3	449.8
45°	17576.9	8329.9	589.7	436.7	422.2
47.5°	16671.8	6659.8	411.6	412.9	411.6
50°	15723.3	4777.1	389.2	407.7	403.8
52.5°	14700.8	2965.8	390.5	398.4	357.6
55°	13615.0	1730.9	365.4	353.6	274.4
57.5°	12473.8	1079.1	357.6	291.6	246.7
60°	11278.6	570.0	340.4	262.6	211.0
62.5°	10005.4	281.1	273.0	224.3	172.9
65°	8645.2	190.0	219.1	182.0	145.1
67.5°	7331.2	171.5	165.0	149.1	126.7
70°	5998.8	156.9	127.9	130.6	108.2
72.5°	4691.4	142.4	102.8	112.1	91.0
75°	3469.7	114.8	85.8	88.3	77.9
77.5°	2414.3	89.7	67.3	75.2	72.6
80°	1456.5	56.8	54.1	62.0	56.8
82.5°	705.8	36.9	42.3	48.8	44.8
85°	230.9	22.4	31.7	40.9	38.3
87.5°	29.0	13.2	26.3	35.6	33.0
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)