

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: P730857

Luminaire Tested: **HBLED-LD5-30HE-W-FLI-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730857
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26703)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-FLI-UNV-L740
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND FROSTED LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29257.0 lumens
Efficiency: N/A
Efficacy: 163.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.31
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

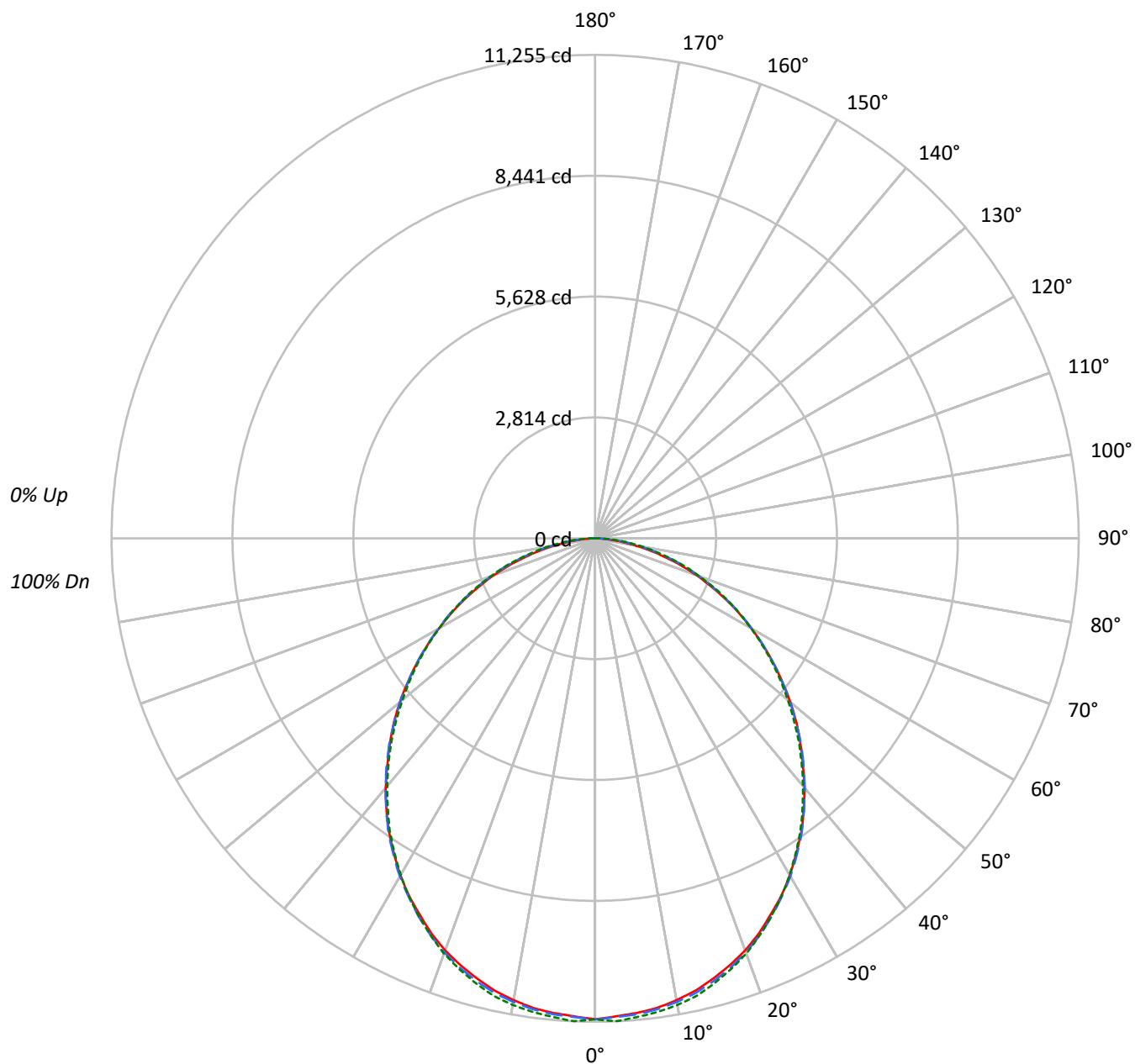
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84		
2	99	91	85	79	97	89	83	78	86	81	76	83	78	74	80	76	73	71		
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	71	66	62	60		
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51		
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45		
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39		
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35		
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31		
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18084	18084	18084
5°	17981	18032	18135
10°	17899	17972	18089
15°	17742	17839	17925
20°	17541	17626	17677
25°	17216	17314	17289
30°	16899	16944	16875
35°	16481	16523	16417
40°	15985	15985	15862
45°	15426	15468	15310
50°	14896	14871	14685
55°	14252	14253	14125
60°	13561	13577	13524
65°	12781	12909	12942
70°	11805	12129	12142
75°	10433	11109	11281
80°	8557	9729	10279
85°	5937	8168	9237



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1059.3	3.6
10°-20°	3013.4	10.3
20°-30°	4478.1	15.3
30°-40°	5236.1	17.9
40°-50°	5220.5	17.8
50°-60°	4529.5	15.5
60°-70°	3345.6	11.4
70°-80°	1873.1	6.4
80°-90°	499.8	1.7
90°-100°	1.5	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°	8550.8	29.2
0°-40°	13786.9	47.1
0°-60°	23537.0	80.4
0°-90°	29255.5	100.0
90°-120°	1.5	0.0
90°-150°	1.5	0.0
90°-180°	1.0	0.0
0°-180°	29257.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11200	11200	11200	11200	11200	
5°	11094	11164	11126	11175	11189	###
15°	10614	10688	10672	10723	10724	2993
25°	9664	9742	9719	9740	9705	4456
35°	8361	8435	8383	8381	8329	5223
45°	6756	6828	6774	6747	6705	5215
55°	5063	5098	5064	5055	5018	4527
65°	3346	3378	3379	3396	3388	3309
75°	1672	1722	1781	1794	1808	1781
85°	320	388	441	480	499	389
90°	0	7	8	19	18	13
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11200.4	11200.4	11200.4	11200.4	11200.4
2.5°	11139.2	11205.5	11159.1	11203.3	11254.6
5°	11094.3	11164.2	11125.6	11174.7	11189.0
7.5°	11028.8	11096.5	11059.4	11108.6	11123.5
10°	10917.6	10991.1	10961.8	11017.4	11033.1
12.5°	10788.0	10857.1	10837.9	10902.7	10913.4
15°	10614.2	10688.4	10671.9	10723.2	10723.9
17.5°	10421.9	10491.7	10479.6	10519.5	10518.0
20°	10209.0	10283.7	10258.2	10301.5	10287.9
22.5°	9956.8	10036.6	10004.5	10040.9	10006.7
25°	9664.0	9741.7	9718.9	9740.2	9704.7
27.5°	9380.6	9451.8	9404.7	9430.4	9392.6
30°	9064.3	9124.8	9088.6	9097.1	9051.5
32.5°	8708.9	8780.8	8736.6	8735.2	8686.8
35°	8361.3	8434.6	8382.7	8381.2	8329.3
37.5°	7976.7	8045.0	7983.8	7987.4	7926.8
40°	7584.2	7643.4	7584.2	7581.3	7525.9
42.5°	7158.3	7236.6	7182.5	7188.9	7114.9
45°	6755.9	6827.8	6774.4	6746.6	6705.2
47.5°	6354.9	6386.2	6342.0	6334.9	6276.5
50°	5930.3	5953.8	5920.3	5911.8	5846.3
52.5°	5491.6	5532.2	5489.4	5478.0	5434.6
55°	5062.8	5097.6	5063.5	5055.0	5017.9
57.5°	4631.2	4676.8	4641.9	4633.2	4603.5
60°	4199.6	4213.1	4204.5	4217.3	4188.2
62.5°	3770.8	3802.1	3812.1	3808.5	3785.7
65°	3345.5	3378.3	3379.0	3396.1	3387.5
67.5°	2910.3	2953.0	2965.2	2982.9	2990.8
70°	2500.7	2533.5	2569.2	2579.8	2572.0
72.5°	2088.3	2141.1	2181.0	2190.2	2223.7
75°	1672.4	1722.2	1780.7	1793.5	1808.4
77.5°	1286.4	1352.6	1405.3	1422.4	1441.0
80°	920.3	993.6	1046.3	1069.8	1105.5
82.5°	604.0	678.8	732.2	755.7	799.2
85°	320.5	387.5	440.9	480.0	498.6
87.5°	94.7	151.7	182.3	193.7	210.2
90°	0.0	7.1	8.5	19.2	17.8
92.5°	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







107.5°	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0



(END OF REPORT)