

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: P730863

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730863
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-UNV-L740
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32948.0 lumens
Efficiency: N/A
Efficacy: 184.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

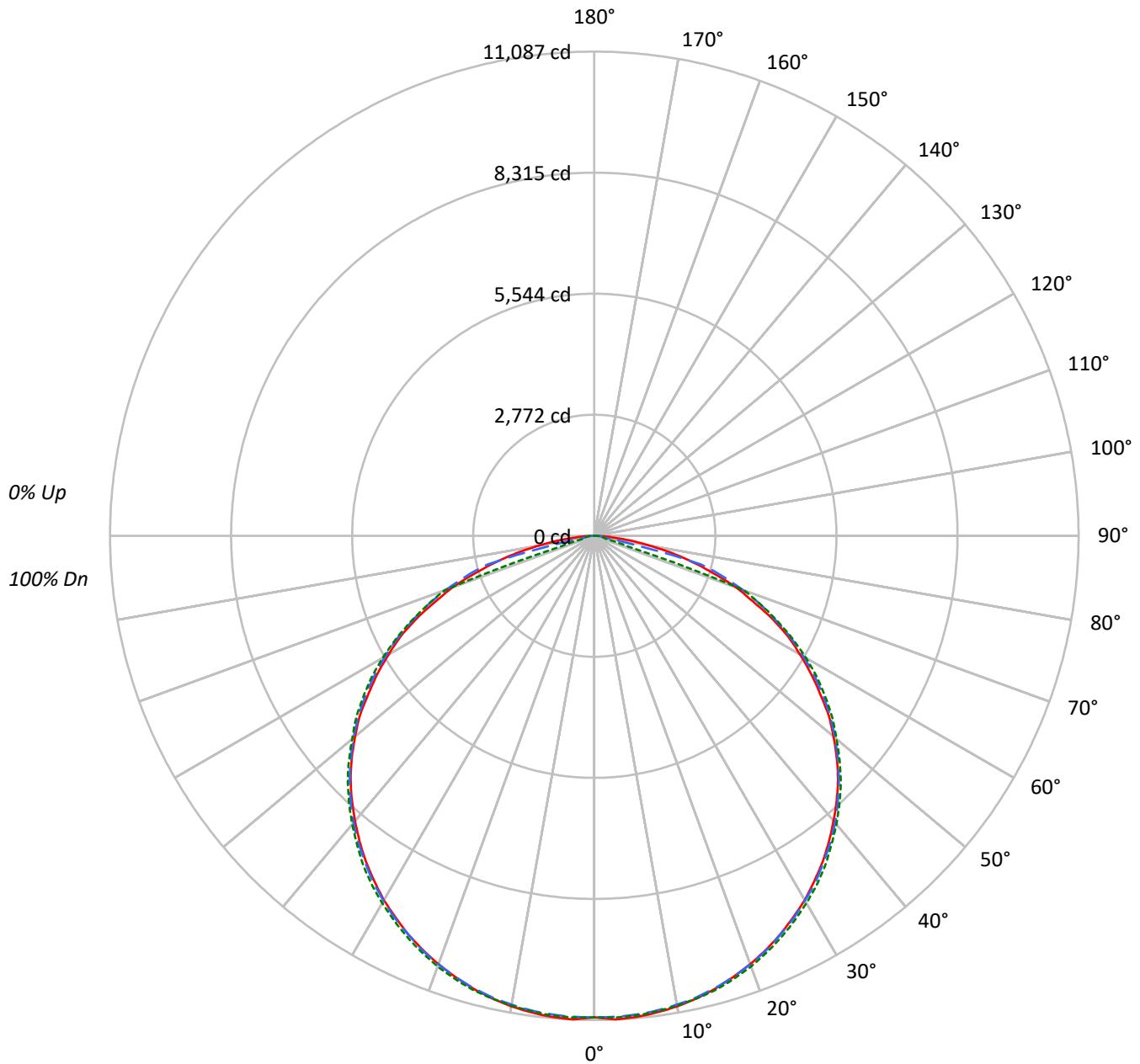
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17801	17801	17801
5°	17929	17838	17869
10°	17939	17875	17911
15°	17937	17912	17994
20°	17935	17939	18032
25°	17944	17953	18062
30°	17964	17986	18105
35°	17960	18018	18169
40°	17963	18077	18175
45°	18013	18081	18227
50°	17959	18064	18181
55°	17761	18010	18204
60°	17560	17845	18067
65°	17171	17528	17659
70°	16302	16997	17206
75°	14540	15766	1900
80°	11692	1964	2078
85°	7781	2547	2594



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1047.2	3.2
10°-20°	3025.8	9.2
20°-30°	4648.9	14.1
30°-40°	5723.0	17.4
40°-50°	6101.3	18.5
50°-60°	5703.5	17.3
60°-70°	4515.0	13.7
70°-80°	1921.0	5.8
80°-90°	262.3	0.8
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°	8721.9	26.5
0°-40°	14444.9	43.8
0°-60°	26249.7	79.7
0°-90°	32948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32948.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11025	11025	11025	11025	11025	
5°	11062	11013	11006	10962	11025	###
15°	10731	10711	10716	10686	10765	3030
25°	10072	10060	10077	10072	10139	4644
35°	9112	9097	9142	9174	9218	5702
45°	7889	7845	7918	7950	7982	6079
55°	6310	6329	6398	6420	6467	5650
65°	4495	4534	4588	4622	4622	4422
75°	2331	2432	2527	413	305	2466
85°	420	125	138	142	140	548
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11025.3	11025.3	11025.3	11025.3	11025.3
2.5°	11086.7	11035.2	11025.3	10981.1	11040.1
5°	11062.2	11013.1	11005.7	10961.5	11025.3
7.5°	11010.6	10971.3	10966.4	10919.7	10983.6
10°	10941.8	10905.0	10902.5	10860.8	10924.6
12.5°	10848.5	10816.6	10826.4	10784.6	10848.5
15°	10730.6	10711.0	10715.9	10686.4	10765.0
17.5°	10588.2	10578.3	10588.2	10566.1	10637.3
20°	10438.3	10426.1	10440.8	10428.5	10494.8
22.5°	10264.0	10249.2	10278.7	10261.5	10322.9
25°	10072.4	10060.1	10077.3	10072.4	10138.7
27.5°	9853.8	9841.5	9878.4	9880.8	9932.4
30°	9635.2	9618.0	9647.5	9659.8	9711.3
32.5°	9374.9	9369.9	9414.2	9424.0	9478.0
35°	9112.1	9097.3	9141.5	9173.5	9217.7
37.5°	8824.7	8822.2	8868.9	8895.9	8918.0
40°	8522.6	8510.3	8576.6	8603.6	8623.3
42.5°	8215.6	8188.6	8252.4	8286.8	8308.9
45°	7888.9	7844.7	7918.4	7950.3	7982.3
47.5°	7530.3	7491.0	7562.3	7596.7	7618.8
50°	7149.6	7112.8	7191.4	7220.9	7238.1
52.5°	6766.5	6729.7	6813.2	6837.7	6879.5
55°	6309.7	6329.3	6398.1	6420.2	6466.9
57.5°	5887.2	5904.4	5970.7	5997.7	6051.8
60°	5437.8	5464.8	5526.2	5553.2	5595.0
62.5°	5003.0	5005.5	5079.2	5091.5	5123.4
65°	4494.6	4533.9	4588.0	4622.3	4622.3
67.5°	3927.3	4023.1	4116.4	4109.0	4128.7
70°	3453.2	3490.1	3600.6	3617.8	3644.8
72.5°	2858.9	2954.7	3077.5	2298.9	781.0
75°	2330.8	2431.5	2527.3	412.6	304.6
77.5°	1810.1	1888.7	840.0	235.8	230.9
80°	1257.5	1382.8	211.2	216.1	223.5
82.5°	827.7	675.4	174.4	191.6	194.0
85°	420.0	125.3	137.5	142.5	140.0
87.5°	137.5	76.1	78.6	81.1	83.5
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)