

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: P730851

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-CLI-UNV-L740
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30608.0 lumens
Efficiency: N/A
Efficacy: 171.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

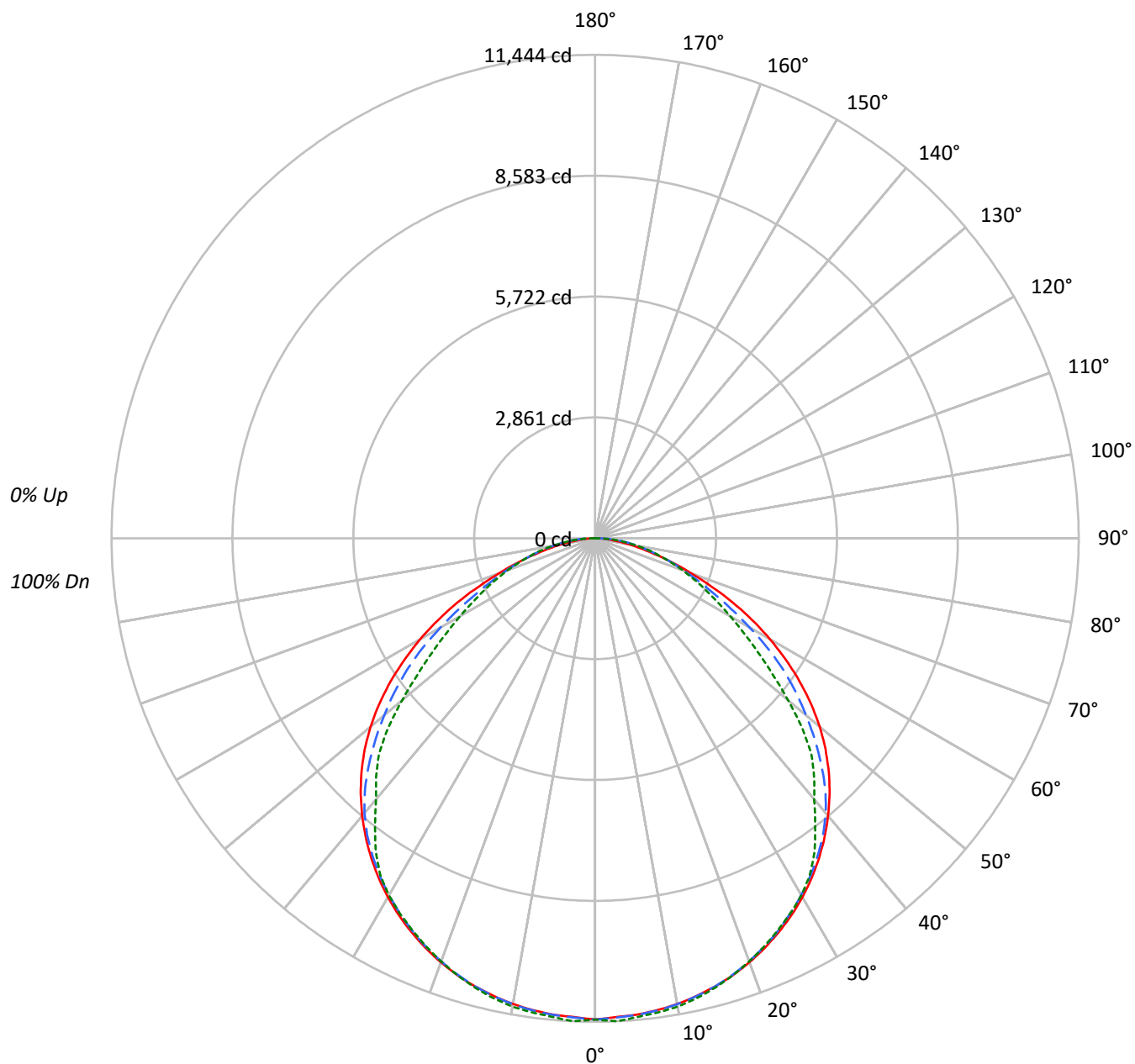
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18394	18394	18394
5°	18345	18358	18440
10°	18355	18364	18460
15°	18357	18355	18398
20°	18353	18310	18315
25°	18325	18256	18235
30°	18295	18185	18195
35°	18209	18096	17840
40°	18080	17895	16993
45°	17850	17278	16523
50°	17420	16359	14964
55°	16627	15300	13232
60°	15431	13651	11933
65°	13716	11819	10973
70°	11383	10563	10343
75°	9206	9666	9787
80°	7312	9245	9207
85°	5724	9931	9474



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1080.4	3.5
10°-20°	3107.7	10.2
20°-30°	4738.7	15.5
30°-40°	5733.1	18.7
40°-50°	5807.1	19.0
50°-60°	4799.7	15.7
60°-70°	3170.1	10.4
70°-80°	1653.0	5.4
80°-90°	518.2	1.7
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°	8926.7	29.2
0°-40°	14659.8	47.9
0°-60°	25266.6	82.5
0°-90°	30608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30608.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11392	11392	11392	11392	11392	
5°	11319	11387	11327	11376	11377	###
15°	10982	11038	10981	11015	11007	3101
25°	10286	10327	10248	10274	10236	4743
35°	9238	9251	9181	9169	9051	5778
45°	7817	7797	7567	7332	7236	6019
55°	5907	5819	5435	4907	4701	5265
65°	3590	3486	3094	2893	2872	3546
75°	1476	1502	1550	1570	1569	1608
85°	309	398	536	532	511	375
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11392.4	11392.4	11392.4	11392.4	11392.4
2.5°	11344.7	11411.6	11355.5	11404.8	11444.4
5°	11318.6	11387.1	11326.8	11376.1	11377.4
7.5°	11268.1	11336.4	11274.8	11324.1	11322.7
10°	11195.5	11259.8	11201.0	11259.8	11259.8
12.5°	11097.1	11159.9	11102.6	11157.2	11149.0
15°	10982.2	11038.2	10980.9	11015.0	11006.8
17.5°	10846.8	10897.4	10833.1	10861.8	10845.4
20°	10681.3	10727.8	10656.7	10693.7	10659.4
22.5°	10495.2	10539.0	10466.5	10494.0	10455.6
25°	10286.1	10327.1	10247.8	10273.7	10235.5
27.5°	10060.4	10097.3	10008.4	10039.9	10009.7
30°	9812.8	9830.6	9754.1	9795.1	9759.6
32.5°	9536.6	9547.6	9480.5	9517.4	9457.3
35°	9238.4	9250.7	9181.0	9168.7	9051.1
37.5°	8919.8	8925.2	8859.6	8748.8	8554.6
40°	8577.9	8575.2	8490.4	8234.6	8062.2
42.5°	8212.6	8211.4	8062.2	7770.9	7672.5
45°	7817.4	7797.0	7567.1	7331.9	7236.1
47.5°	7393.5	7371.6	7050.2	6862.9	6645.4
50°	6935.3	6897.1	6512.7	6256.9	5957.5
52.5°	6441.6	6382.7	5991.6	5578.6	5295.5
55°	5906.8	5819.3	5435.1	4907.2	4700.6
57.5°	5350.3	5220.3	4846.9	4332.7	4164.5
60°	4778.6	4633.5	4227.3	3804.8	3695.3
62.5°	4190.4	4046.9	3632.5	3313.8	3253.6
65°	3590.1	3486.1	3093.6	2892.6	2872.1
67.5°	2974.6	2937.7	2638.1	2535.6	2527.4
70°	2411.2	2404.3	2237.5	2185.4	2190.9
72.5°	1927.0	1918.8	1894.3	1868.2	1869.6
75°	1475.7	1501.7	1549.5	1570.0	1568.8
77.5°	1101.0	1154.3	1255.5	1296.5	1289.6
80°	786.4	865.8	994.3	1032.6	990.2
82.5°	523.8	607.2	759.0	764.5	730.3
85°	309.0	398.0	536.1	532.0	511.4
87.5°	153.1	239.3	321.4	307.7	294.1
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)