

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: P730865

Luminaire Tested: **HBLED-LD5-30HE-W-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730865
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-L835
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30569.0 lumens
Efficiency: N/A
Efficacy: 170.8 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

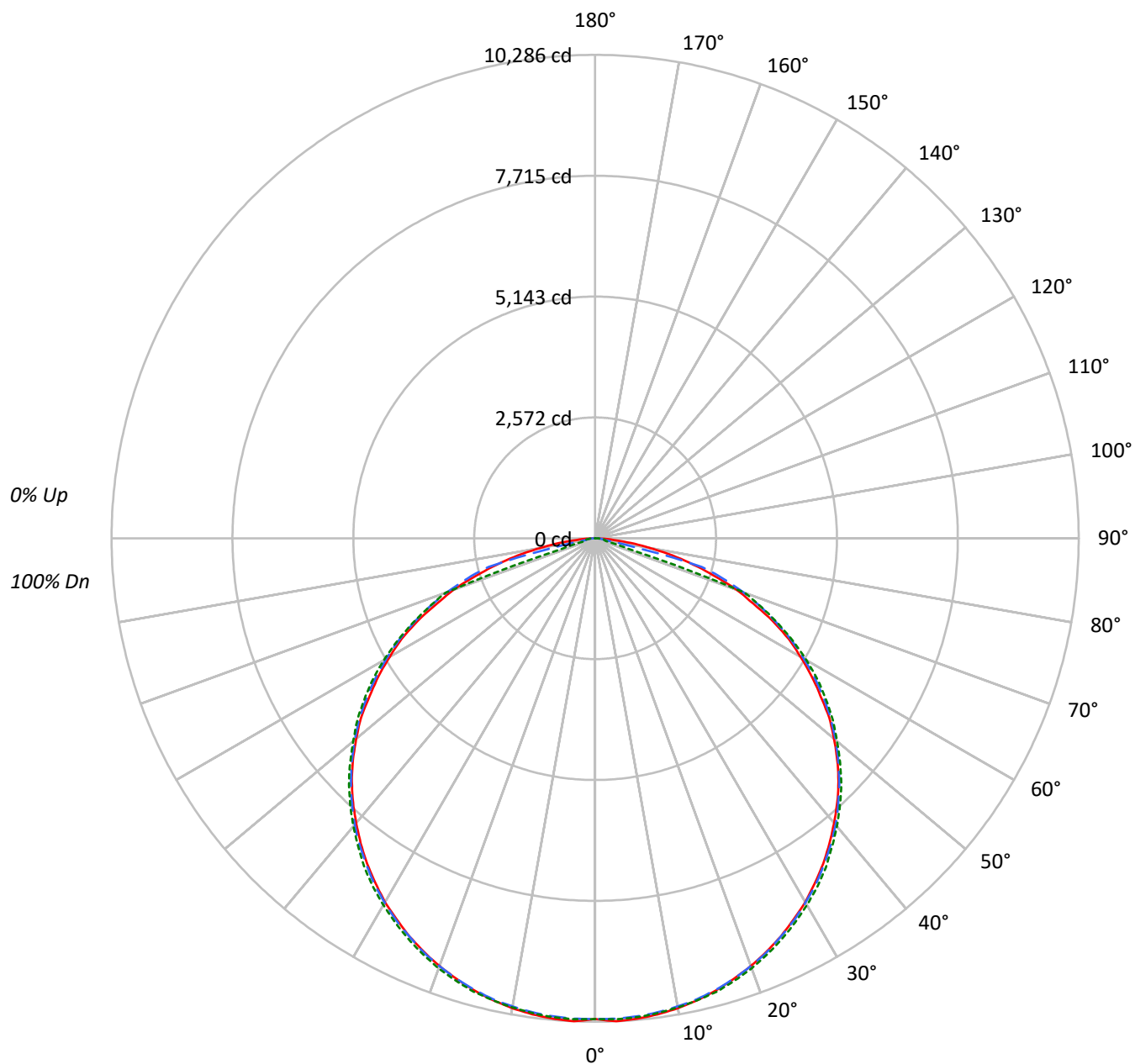
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	16516	16516	16516
5°	16634	16550	16579
10°	16644	16584	16618
15°	16642	16619	16695
20°	16640	16644	16730
25°	16648	16656	16758
30°	16666	16688	16798
35°	16663	16717	16857
40°	16666	16772	16863
45°	16713	16775	16910
50°	16662	16759	16868
55°	16479	16710	16889
60°	16292	16557	16763
65°	15932	16262	16384
70°	15125	15770	15964
75°	13490	14628	1763
80°	10848	1822	1928
85°	7219	2364	2406



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	971.6	3.2
10°-20°	2807.3	9.2
20°-30°	4313.3	14.1
30°-40°	5309.8	17.4
40°-50°	5660.8	18.5
50°-60°	5291.7	17.3
60°-70°	4189.0	13.7
70°-80°	1782.3	5.8
80°-90°	243.4	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°	8092.1	26.5
0°-40°	13401.9	43.8
0°-60°	24354.3	79.7
0°-90°	30569.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30569.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10229	10229	10229	10229	10229	
5°	10263	10218	10211	10170	10229	976
15°	9956	9938	9942	9915	9988	2811
25°	9345	9334	9350	9345	9407	4309
35°	8454	8440	8482	8511	8552	5290
45°	7319	7278	7347	7376	7406	5640
55°	5854	5872	5936	5957	6000	5242
65°	4170	4207	4257	4289	4289	4102
75°	2162	2256	2345	383	283	2288
85°	390	116	128	132	130	508
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10229.3	10229.3	10229.3	10229.3	10229.3
2.5°	10286.2	10238.4	10229.3	10188.2	10242.9
5°	10263.4	10217.9	10211.0	10170.0	10229.3
7.5°	10215.6	10179.1	10174.6	10131.3	10190.5
10°	10151.8	10117.6	10115.3	10076.6	10135.8
12.5°	10065.2	10035.6	10044.7	10005.9	10065.2
15°	9955.8	9937.6	9942.1	9914.8	9987.7
17.5°	9823.6	9814.5	9823.6	9803.1	9869.2
20°	9684.6	9673.2	9686.9	9675.5	9737.1
22.5°	9522.9	9509.2	9536.5	9520.6	9577.5
25°	9345.1	9333.7	9349.7	9345.1	9406.6
27.5°	9142.3	9130.9	9165.1	9167.4	9215.2
30°	8939.5	8923.5	8950.9	8962.3	9010.1
32.5°	8697.9	8693.4	8734.4	8743.5	8793.7
35°	8454.1	8440.5	8481.5	8511.1	8552.1
37.5°	8187.5	8185.2	8228.5	8253.6	8274.1
40°	7907.2	7895.8	7957.4	7982.4	8000.7
42.5°	7622.4	7597.3	7656.6	7688.5	7709.0
45°	7319.3	7278.3	7346.7	7376.3	7405.9
47.5°	6986.6	6950.2	7016.2	7048.1	7068.6
50°	6633.4	6599.2	6672.1	6699.5	6715.4
52.5°	6277.9	6243.7	6321.2	6344.0	6382.7
55°	5854.1	5872.3	5936.1	5956.6	5999.9
57.5°	5462.1	5478.1	5539.6	5564.7	5614.8
60°	5045.1	5070.2	5127.2	5152.2	5191.0
62.5°	4641.8	4644.1	4712.4	4723.8	4753.5
65°	4170.1	4206.6	4256.7	4288.6	4288.6
67.5°	3643.7	3732.6	3819.2	3812.3	3830.6
70°	3203.9	3238.1	3340.6	3356.6	3381.6
72.5°	2652.5	2741.3	2855.3	2132.9	724.6
75°	2162.5	2256.0	2344.8	382.8	282.6
77.5°	1679.4	1752.4	779.3	218.8	214.2
80°	1166.7	1282.9	196.0	200.5	207.4
82.5°	767.9	626.7	161.8	177.7	180.0
85°	389.7	116.2	127.6	132.2	129.9
87.5°	127.6	70.6	72.9	75.2	77.5
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)