

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: P730938

Luminaire Tested: **HBLED-LD5-30SE-W-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730938
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-LD5-30SE-W-UNV-L840
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31354.0 lumens
Efficiency: N/A
Efficacy: 165.0 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

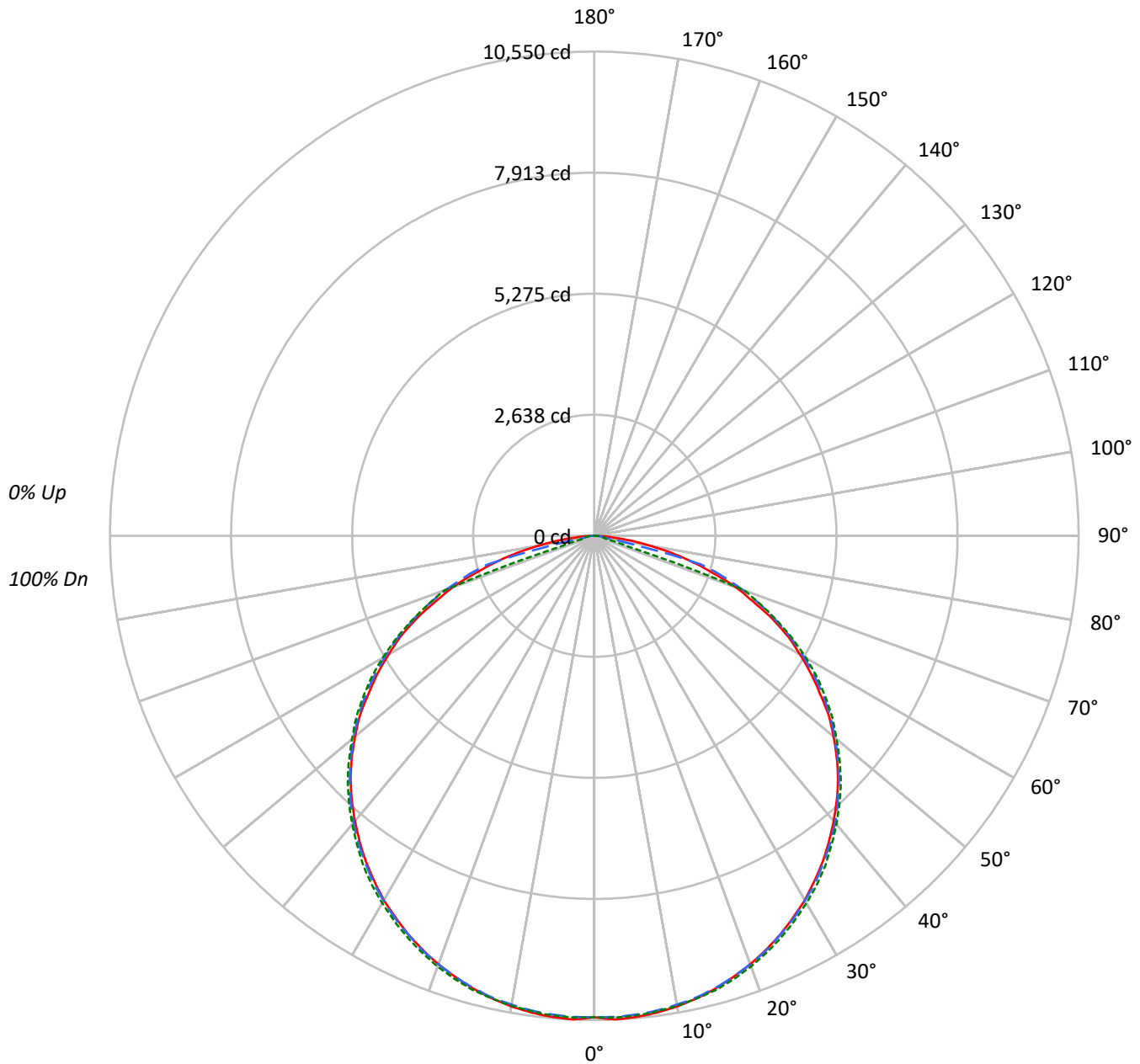
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	16940	16940	16940
5°	17062	16974	17005
10°	17071	17010	17044
15°	17069	17046	17124
20°	17067	17072	17160
25°	17076	17084	17188
30°	17095	17116	17230
35°	17091	17147	17289
40°	17094	17202	17296
45°	17142	17206	17345
50°	17090	17190	17301
55°	16902	17139	17323
60°	16710	16982	17193
65°	16341	16680	16805
70°	15513	16175	16374
75°	13837	15003	1808
80°	11127	1869	1978
85°	7405	2425	2468



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	996.5	3.2
10°-20°	2879.4	9.2
20°-30°	4424.0	14.1
30°-40°	5446.1	17.4
40°-50°	5806.1	18.5
50°-60°	5427.6	17.3
60°-70°	4296.6	13.7
70°-80°	1828.0	5.8
80°-90°	249.6	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°	8299.9	26.5
0°-40°	13746.1	43.8
0°-60°	24979.8	79.7
0°-90°	31354.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31354.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10492	10492	10492	10492	10492	
5°	10527	10480	10473	10431	10492	###
15°	10212	10193	10198	10169	10244	2883
25°	9585	9573	9590	9585	9648	4419
35°	8671	8657	8699	8730	8772	5426
45°	7507	7465	7535	7566	7596	5785
55°	6004	6023	6089	6110	6154	5377
65°	4277	4315	4366	4399	4399	4208
75°	2218	2314	2405	393	290	2347
85°	400	119	131	136	133	521
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10491.9	10491.9	10491.9	10491.9	10491.9
2.5°	10550.4	10501.3	10491.9	10449.9	10506.0
5°	10527.0	10480.3	10473.2	10431.2	10491.9
7.5°	10477.9	10440.5	10435.9	10391.4	10452.2
10°	10412.5	10377.4	10375.1	10335.3	10396.1
12.5°	10323.7	10293.3	10302.6	10262.9	10323.7
15°	10211.5	10192.8	10197.5	10169.4	10244.2
17.5°	10075.9	10066.6	10075.9	10054.9	10122.7
20°	9933.3	9921.7	9935.7	9924.0	9987.1
22.5°	9767.4	9753.4	9781.4	9765.1	9823.5
25°	9585.1	9573.4	9589.8	9585.1	9648.2
27.5°	9377.1	9365.4	9400.4	9402.8	9451.9
30°	9169.1	9152.7	9180.7	9192.4	9241.5
32.5°	8921.3	8916.6	8958.7	8968.1	9019.5
35°	8671.2	8657.2	8699.3	8729.7	8771.7
37.5°	8397.8	8395.4	8439.8	8465.5	8486.6
40°	8110.3	8098.6	8161.7	8187.4	8206.1
42.5°	7818.1	7792.4	7853.2	7885.9	7906.9
45°	7507.3	7465.2	7535.3	7565.7	7596.1
47.5°	7166.0	7128.6	7196.4	7229.1	7250.2
50°	6803.8	6768.7	6843.5	6871.5	6887.9
52.5°	6439.1	6404.1	6483.5	6506.9	6546.7
55°	6004.4	6023.1	6088.6	6109.6	6154.0
57.5°	5602.4	5618.8	5681.9	5707.6	5759.0
60°	5174.7	5200.4	5258.8	5284.5	5324.3
62.5°	4761.0	4763.3	4833.4	4845.1	4875.5
65°	4277.2	4314.6	4366.0	4398.7	4398.7
67.5°	3737.3	3828.4	3917.2	3910.2	3928.9
70°	3286.2	3321.2	3426.4	3442.8	3468.5
72.5°	2720.6	2811.7	2928.6	2187.7	743.2
75°	2218.1	2313.9	2405.0	392.7	289.8
77.5°	1722.6	1797.4	799.3	224.4	219.7
80°	1196.7	1315.9	201.0	205.7	212.7
82.5°	787.7	642.7	165.9	182.3	184.6
85°	399.7	119.2	130.9	135.6	133.2
87.5°	130.9	72.5	74.8	77.1	79.5
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)