

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: P730943

Luminaire Tested: **HBLED-LD5-30SE-W-WG-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33336)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-W-WG-UNV-L835
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28861.9 lumens
Efficiency: N/A
Efficacy: 151.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.31 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

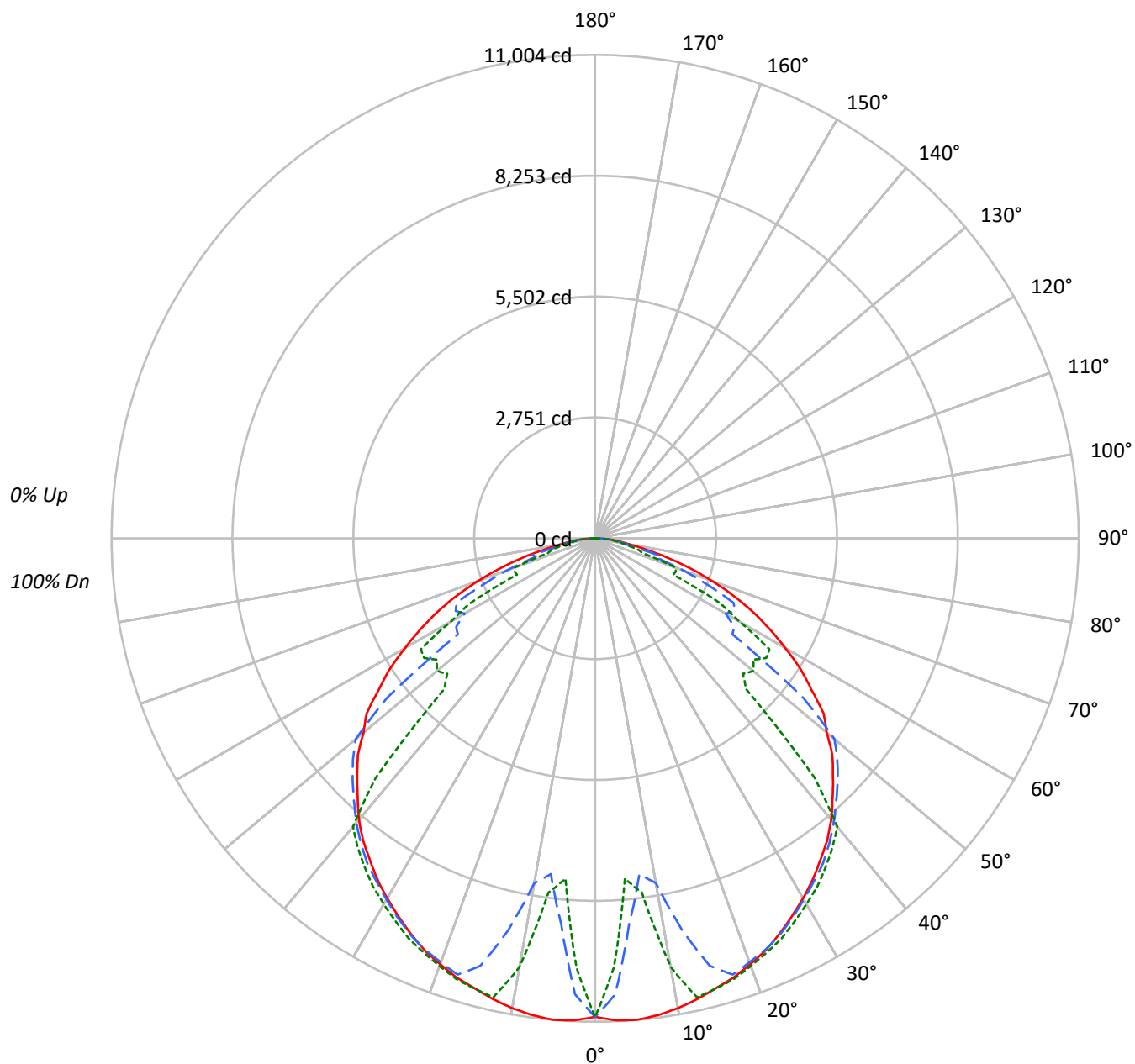
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	42	55	48	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	33	46	38	33	44	38	33	43	37	33	31		
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28		
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17590	17590	17590
5°	17835	14328	12601
10°	17804	13067	16251
15°	17725	16841	17740
20°	17725	17645	17801
25°	17694	17733	17895
30°	17642	17700	17929
35°	17614	17809	18018
40°	17616	17809	18064
45°	17478	17820	11074
50°	17281	17856	11803
55°	16916	10737	13377
60°	16137	11067	12250
65°	15120	13288	7495
70°	13351	10067	9187
75°	10638	9151	6371
80°	7329	6613	5476
85°	7021	6104	5791



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	871.2	3.0
10°-20°	2729.3	9.5
20°-30°	4490.2	15.6
30°-40°	5645.9	19.6
40°-50°	5537.2	19.2
50°-60°	4587.8	15.9
60°-70°	3235.9	11.2
70°-80°	1411.8	4.9
80°-90°	352.7	1.2
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°	8090.7	28.0
0°-40°	13736.5	47.6
0°-60°	23861.5	82.7
0°-90°	28861.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28861.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10894	10894	10894	10894	10894	
5°	11004	10242	8840	8016	7774	###
15°	10604	7364	10075	10646	10613	2999
25°	9932	9088	9954	10020	10045	4578
35°	8936	8931	9036	9095	9141	5599
45°	7655	7678	7804	6912	4850	5909
55°	6009	6206	3814	4337	4752	5377
65°	3958	4191	3478	2676	1962	3891
75°	1705	1671	1467	959	1021	1829
85°	379	337	330	315	313	393
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10894.5	10894.5	10894.5	10894.5	10894.5
2.5°	10984.4	10756.4	10394.2	9938.3	9776.8
5°	11003.9	10241.8	8840.1	8015.5	7774.5
7.5°	10947.9	9307.8	7706.8	7880.0	8135.4
10°	10859.3	8487.1	7970.0	9376.8	9912.2
12.5°	10746.0	7757.6	9130.6	10592.2	10699.0
15°	10603.9	7364.2	10075.1	10645.7	10613.1
17.5°	10484.1	7594.7	10413.8	10538.8	10515.3
20°	10316.0	8054.6	10269.2	10369.5	10360.3
22.5°	10146.7	8599.1	10132.3	10204.1	10204.1
25°	9931.8	9087.6	9953.9	10020.4	10045.1
27.5°	9695.9	9368.9	9731.1	9785.8	9830.1
30°	9462.7	9409.4	9494.1	9564.4	9616.5
32.5°	9216.6	9195.8	9262.2	9336.4	9402.8
35°	8936.5	8931.3	9035.5	9095.4	9141.1
37.5°	8673.3	8655.2	8751.5	8834.9	8870.1
40°	8358.1	8358.1	8449.3	8533.9	8570.5
42.5°	7998.5	8049.4	8119.7	8206.9	7391.5
45°	7654.6	7678.1	7804.4	6912.2	4849.9
47.5°	7323.7	7353.7	7473.6	4443.5	4564.7
50°	6879.6	7015.0	7108.8	4430.5	4698.9
52.5°	6555.2	6613.7	5967.6	4386.2	4537.3
55°	6009.4	6206.0	3814.2	4336.7	4752.2
57.5°	5543.0	5686.3	3750.5	4443.5	4701.4
60°	4997.2	5216.0	3427.3	4287.2	3793.4
62.5°	4473.4	4681.9	3578.5	3374.0	3212.4
65°	3957.6	4190.7	3478.2	2675.7	1961.8
67.5°	3392.2	3174.7	2774.7	1885.0	1984.0
70°	2828.2	2217.2	2132.6	2107.8	1946.2
72.5°	2248.5	1618.0	1416.0	1581.5	1132.0
75°	1705.3	1671.4	1466.9	958.8	1021.3
77.5°	1182.8	1206.3	785.5	935.3	776.4
80°	788.2	682.7	711.2	596.6	588.9
82.5°	545.8	557.5	467.6	453.3	459.9
85°	379.0	337.4	329.5	315.3	312.6
87.5°	126.3	147.2	136.8	123.8	131.6
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)