

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: P730944

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730944
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-L840
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29693.0 lumens
Efficiency: N/A
Efficacy: 156.3 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

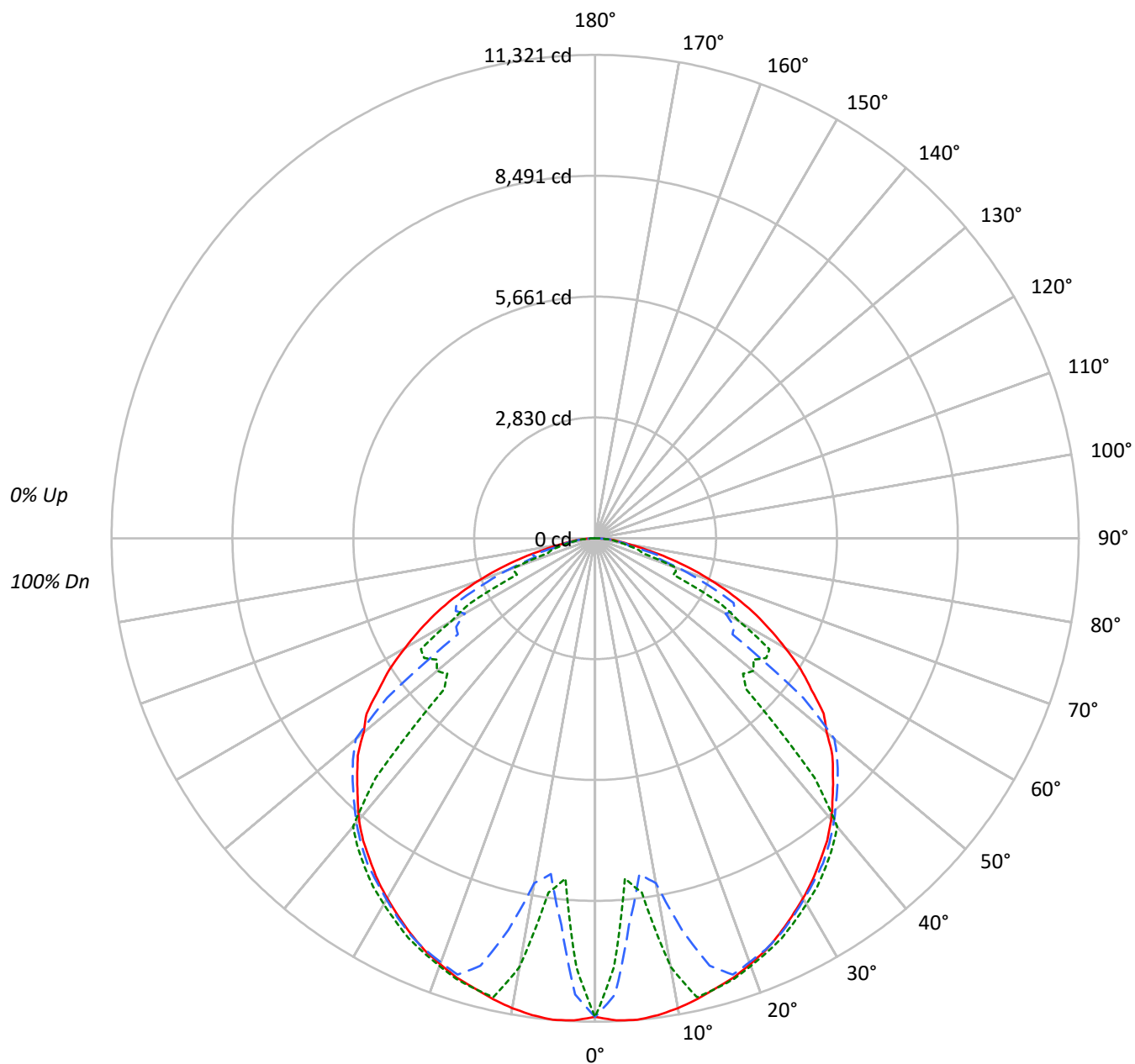
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	18097	18097	18097
5°	18348	14740	12963
10°	18316	13443	16719
15°	18235	17326	18251
20°	18235	18153	18314
25°	18203	18243	18411
30°	18150	18210	18445
35°	18121	18322	18536
40°	18124	18321	18584
45°	17982	18333	11393
50°	17778	18370	12143
55°	17403	11046	13762
60°	16602	11386	12602
65°	15555	13671	7711
70°	13735	10357	9452
75°	10944	9414	6555
80°	7540	6803	5633
85°	7225	6280	5960



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	896.3	3.0
10°-20°	2807.9	9.5
20°-30°	4619.5	15.6
30°-40°	5808.4	19.6
40°-50°	5696.6	19.2
50°-60°	4719.9	15.9
60°-70°	3329.1	11.2
70°-80°	1452.4	4.9
80°-90°	362.9	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°	8323.6	28.0
0°-40°	14132.1	47.6
0°-60°	24548.6	82.7
0°-90°	29693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29693.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11208	11208	11208	11208	11208	
5°	11321	10537	9095	8246	7998	###
15°	10909	7576	10365	10952	10919	3085
25°	10218	9349	10240	10309	10334	4710
35°	9194	9188	9296	9357	9404	5760
45°	7875	7899	8029	7111	4990	6079
55°	6182	6385	3924	4462	4889	5531
65°	4072	4311	3578	2753	2018	4003
75°	1754	1720	1509	986	1051	1881
85°	390	347	339	324	322	405
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11208.2	11208.2	11208.2	11208.2	11208.2
2.5°	11300.6	11066.1	10693.5	10224.4	10058.3
5°	11320.7	10536.7	9094.6	8246.3	7998.3
7.5°	11263.1	9575.7	7928.7	8106.8	8369.6
10°	11172.0	8731.5	8199.4	9646.8	10197.6
12.5°	11055.4	7980.9	9393.4	10897.2	11007.0
15°	10909.2	7576.2	10365.2	10952.2	10918.6
17.5°	10786.0	7813.4	10713.6	10842.2	10818.1
20°	10613.0	8286.5	10564.9	10668.0	10658.6
22.5°	10438.8	8846.6	10424.1	10497.9	10497.9
25°	10217.7	9349.3	10240.5	10308.9	10334.4
27.5°	9975.1	9638.7	10011.3	10067.6	10113.1
30°	9735.2	9680.4	9767.5	9839.8	9893.4
32.5°	9482.0	9460.6	9528.9	9605.3	9673.6
35°	9193.8	9188.4	9295.6	9357.3	9404.3
37.5°	8923.0	8904.4	9003.5	9089.3	9125.5
40°	8598.8	8598.8	8692.5	8779.7	8817.3
42.5°	8228.8	8281.2	8353.5	8443.2	7604.3
45°	7875.0	7899.2	8029.1	7111.2	4989.6
47.5°	7534.6	7565.4	7688.8	4571.4	4696.1
50°	7077.6	7217.0	7313.5	4558.1	4834.2
52.5°	6744.0	6804.2	6139.4	4512.5	4667.9
55°	6182.4	6384.7	3924.1	4461.6	4889.0
57.5°	5702.6	5850.1	3858.5	4571.4	4836.8
60°	5141.1	5366.2	3526.0	4410.7	3902.6
62.5°	4602.2	4816.7	3681.6	3471.2	3304.9
65°	4071.5	4311.4	3578.4	2752.8	2018.3
67.5°	3489.8	3266.1	2854.6	1939.3	2041.2
70°	2909.6	2281.1	2194.0	2168.5	2002.3
72.5°	2313.2	1664.5	1456.8	1627.1	1164.6
75°	1754.4	1719.5	1509.1	986.4	1050.8
77.5°	1216.9	1241.0	808.1	962.2	798.7
80°	810.9	702.3	731.7	613.8	605.8
82.5°	561.6	573.6	481.1	466.3	473.1
85°	390.0	347.1	339.0	324.4	321.7
87.5°	129.9	151.5	140.8	127.3	135.4
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)