

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: P730940

Luminaire Tested: **HBLED-LD5-30SE-W-WG-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730940
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-L735
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30193.0 lumens
Efficiency: N/A
Efficacy: 158.9 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

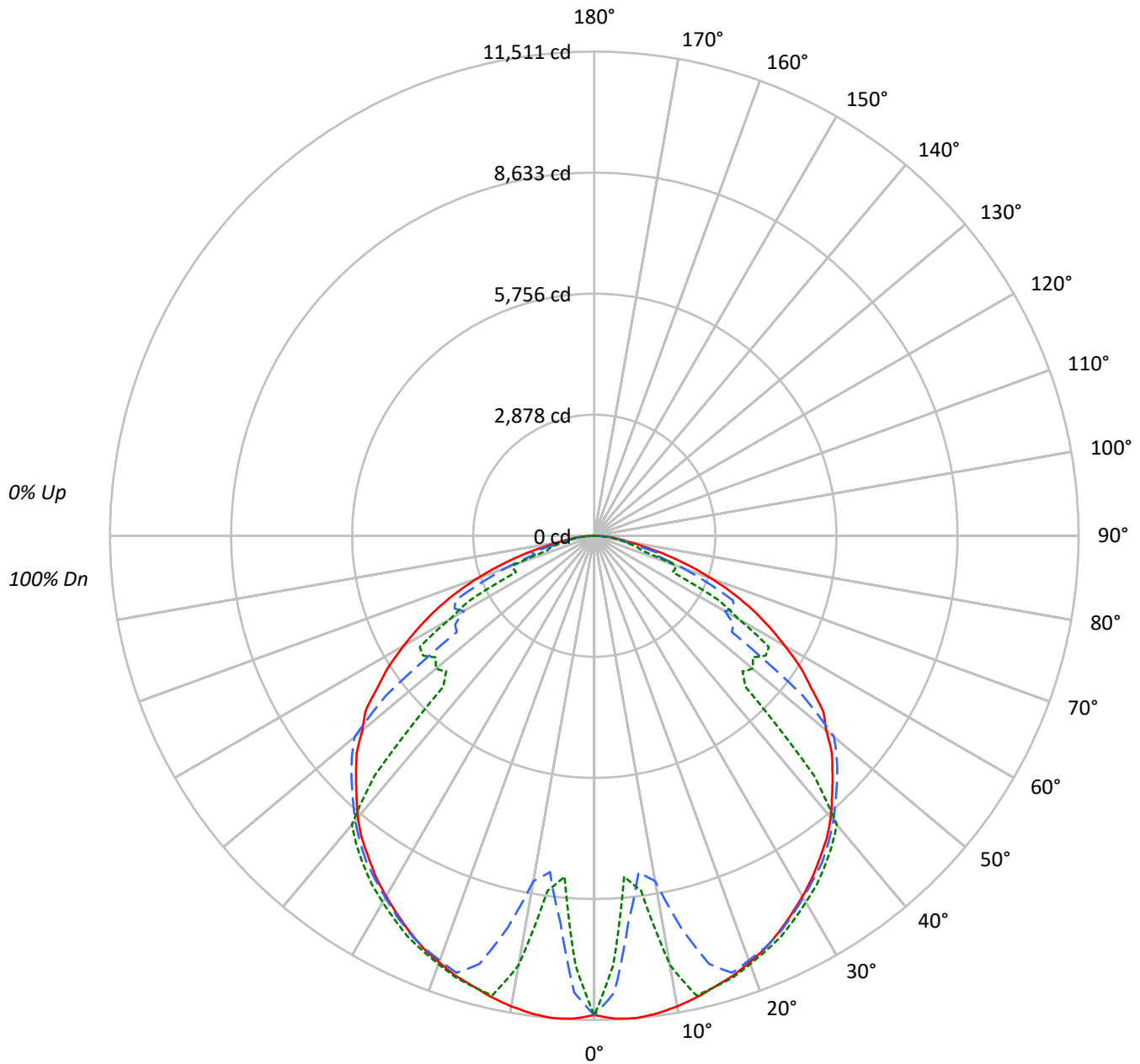
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	18401	18401	18401
5°	18657	14988	13182
10°	18625	13669	17000
15°	18542	17618	18558
20°	18543	18458	18622
25°	18509	18551	18721
30°	18456	18517	18755
35°	18427	18631	18848
40°	18429	18630	18897
45°	18284	18642	11585
50°	18077	18680	12347
55°	17696	11232	13994
60°	16881	11578	12815
65°	15817	13901	7841
70°	13967	10531	9611
75°	11128	9573	6665
80°	7666	6918	5728
85°	7345	6386	6060



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	911.4	3.0
10°-20°	2855.1	9.5
20°-30°	4697.3	15.6
30°-40°	5906.2	19.6
40°-50°	5792.5	19.2
50°-60°	4799.4	15.9
60°-70°	3385.1	11.2
70°-80°	1476.9	4.9
80°-90°	369.0	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°	8463.8	28.0
0°-40°	14370.0	47.6
0°-60°	24962.0	82.7
0°-90°	30193.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30193.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11397	11397	11397	11397	11397	
5°	11511	10714	9248	8385	8133	###
15°	11093	7704	10540	11137	11102	3137
25°	10390	9507	10413	10482	10508	4789
35°	9349	9343	9452	9515	9563	5857
45°	8008	8032	8164	7231	5074	6181
55°	6286	6492	3990	4537	4971	5625
65°	4140	4384	3639	2799	2052	4071
75°	1784	1748	1534	1003	1068	1913
85°	396	353	345	330	327	411
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11396.9	11396.9	11396.9	11396.9	11396.9
2.5°	11490.9	11252.4	10873.6	10396.6	10227.7
5°	11511.4	10714.1	9247.8	8385.2	8133.0
7.5°	11452.8	9737.0	8062.2	8243.3	8510.5
10°	11360.1	8878.5	8337.5	9809.2	10369.3
12.5°	11241.5	8115.3	9551.6	11080.7	11192.4
15°	11092.9	7703.8	10539.7	11136.6	11102.5
17.5°	10967.6	7945.0	10894.0	11024.8	11000.2
20°	10791.8	8426.1	10742.8	10847.7	10838.1
22.5°	10614.6	8995.6	10599.6	10674.6	10674.6
25°	10389.8	9506.7	10412.9	10482.5	10508.4
27.5°	10143.1	9801.0	10179.9	10237.1	10283.4
30°	9899.1	9843.4	9931.9	10005.5	10059.9
32.5°	9641.6	9619.9	9689.3	9767.0	9836.5
35°	9348.6	9343.1	9452.2	9514.8	9562.6
37.5°	9073.3	9054.3	9155.1	9242.3	9279.1
40°	8743.6	8743.6	8838.9	8927.5	8965.7
42.5°	8367.4	8420.6	8494.2	8585.4	7732.4
45°	8007.6	8032.2	8164.3	7230.9	5073.6
47.5°	7661.5	7692.8	7818.3	4648.4	4775.2
50°	7196.8	7338.5	7436.6	4634.8	4915.6
52.5°	6857.5	6918.7	6242.8	4588.5	4746.5
55°	6286.5	6492.2	3990.1	4536.7	4971.3
57.5°	5798.6	5948.6	3923.5	4648.4	4918.2
60°	5227.6	5456.6	3585.4	4484.9	3968.4
62.5°	4679.7	4897.8	3743.5	3529.6	3360.6
65°	4140.1	4384.0	3638.6	2799.1	2052.3
67.5°	3548.6	3321.1	2902.7	1972.0	2075.5
70°	2958.6	2319.5	2230.9	2205.0	2036.0
72.5°	2352.1	1692.6	1481.3	1654.5	1184.2
75°	1783.9	1748.5	1534.5	1003.0	1068.4
77.5°	1237.4	1261.9	821.7	978.4	812.2
80°	824.5	714.2	744.0	624.1	616.0
82.5°	571.0	583.2	489.2	474.2	481.1
85°	396.5	353.0	344.7	329.9	327.1
87.5°	132.1	154.0	143.2	129.5	137.7
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)