

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: P730923

Luminaire Tested: **HBLED-LD5-30SE-W-CLI-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730923
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-W-CLI-UNV-L740
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30515.0 lumens
Efficiency: N/A
Efficacy: 160.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

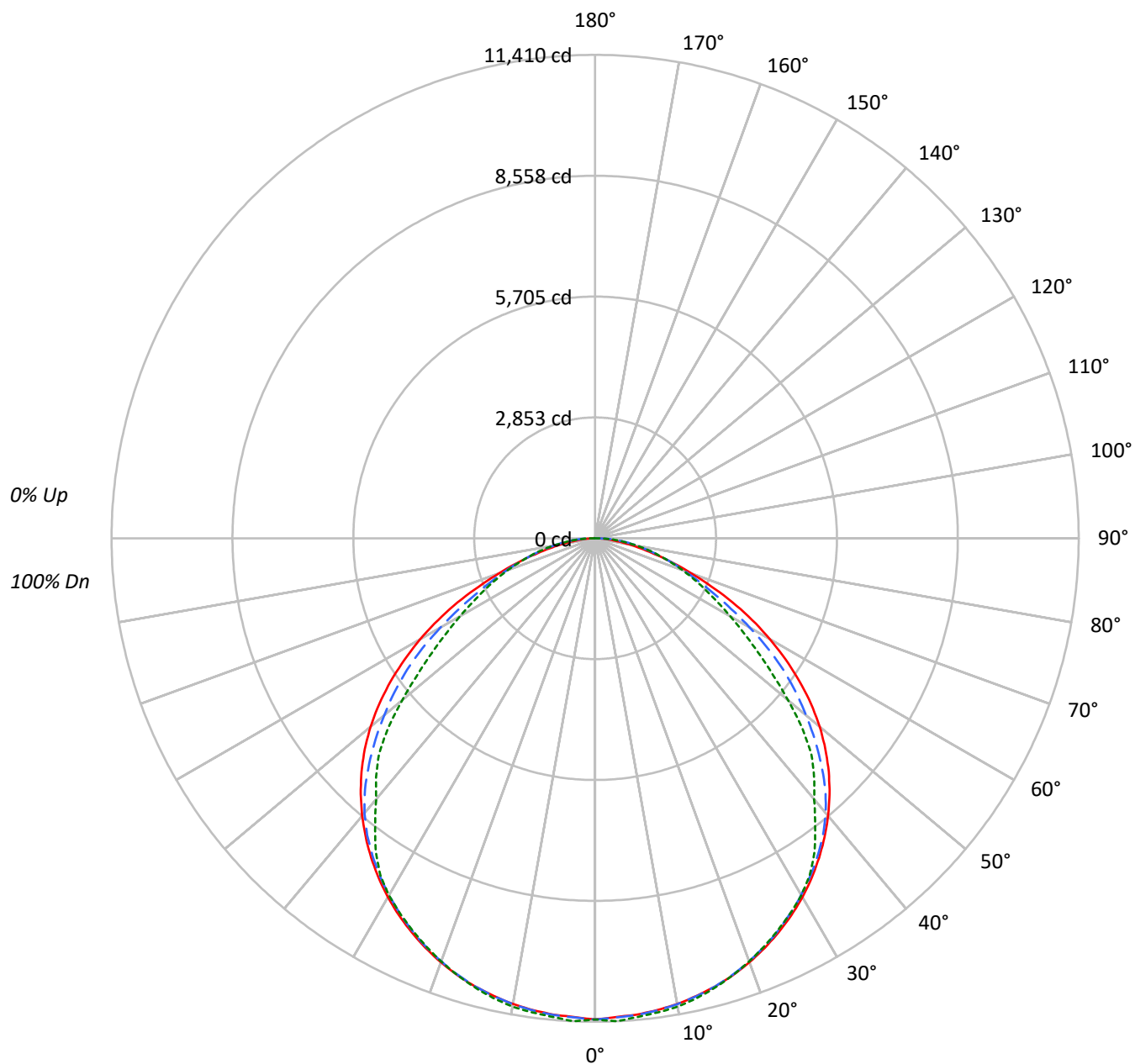
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18338	18338	18338
5°	18289	18302	18384
10°	18299	18308	18404
15°	18302	18299	18343
20°	18297	18255	18259
25°	18269	18201	18179
30°	18239	18130	18140
35°	18154	18041	17786
40°	18025	17841	16941
45°	17796	17226	16473
50°	17368	16309	14919
55°	16577	15253	13192
60°	15384	13609	11897
65°	13674	11783	10939
70°	11348	10531	10312
75°	9178	9637	9757
80°	7290	9217	9179
85°	5708	9902	9446



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1077.1	3.5
10°-20°	3098.2	10.2
20°-30°	4724.3	15.5
30°-40°	5715.7	18.7
40°-50°	5789.5	19.0
50°-60°	4785.1	15.7
60°-70°	3160.5	10.4
70°-80°	1648.0	5.4
80°-90°	516.6	1.7
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°	8899.6	29.2
0°-40°	14615.3	47.9
0°-60°	25189.9	82.5
0°-90°	30515.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30515.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11358	11358	11358	11358	11358	
5°	11284	11352	11292	11342	11343	###
15°	10949	11005	10948	10982	10973	3092
25°	10255	10296	10217	10242	10204	4728
35°	9210	9223	9153	9141	9024	5761
45°	7794	7773	7544	7310	7214	6001
55°	5889	5802	5418	4892	4686	5249
65°	3579	3476	3084	2884	2863	3535
75°	1471	1497	1545	1565	1564	1603
85°	308	397	534	530	510	374
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11357.8	11357.8	11357.8	11357.8	11357.8
2.5°	11310.2	11376.9	11321.0	11370.1	11409.6
5°	11284.2	11352.5	11292.4	11341.5	11342.9
7.5°	11233.8	11302.0	11240.5	11289.7	11288.3
10°	11161.5	11225.6	11166.9	11225.6	11225.6
12.5°	11063.4	11126.0	11068.9	11123.3	11115.1
15°	10948.9	11004.7	10947.5	10981.6	10973.4
17.5°	10813.8	10864.3	10800.2	10828.8	10812.5
20°	10648.9	10695.2	10624.4	10661.2	10627.0
22.5°	10463.3	10507.0	10434.7	10462.1	10423.8
25°	10254.8	10295.8	10216.7	10242.5	10204.4
27.5°	10029.8	10066.6	9977.9	10009.4	9979.3
30°	9783.0	9800.8	9724.4	9765.3	9729.9
32.5°	9507.6	9518.5	9451.6	9488.4	9428.5
35°	9210.3	9222.6	9153.1	9140.8	9023.6
37.5°	8892.6	8898.1	8832.7	8722.2	8528.6
40°	8551.9	8549.1	8464.6	8209.6	8037.7
42.5°	8187.7	8186.4	8037.7	7747.3	7649.2
45°	7793.7	7773.3	7544.1	7309.6	7214.2
47.5°	7371.1	7349.2	7028.8	6842.0	6625.2
50°	6914.3	6876.1	6492.9	6237.9	5939.4
52.5°	6422.0	6363.3	5973.4	5561.7	5279.4
55°	5888.9	5801.6	5418.5	4892.2	4686.4
57.5°	5334.0	5204.4	4832.2	4319.6	4151.8
60°	4764.1	4619.5	4214.5	3793.3	3684.1
62.5°	4177.7	4034.6	3621.4	3303.8	3243.7
65°	3579.2	3475.5	3084.2	2883.8	2863.4
67.5°	2965.6	2928.8	2630.1	2527.9	2519.7
70°	2403.9	2397.0	2230.7	2178.8	2184.3
72.5°	1921.2	1913.0	1888.5	1862.5	1863.9
75°	1471.2	1497.1	1544.8	1565.2	1564.0
77.5°	1097.6	1150.8	1251.7	1292.6	1285.7
80°	784.0	863.1	991.3	1029.5	987.2
82.5°	522.2	605.4	756.7	762.2	728.1
85°	308.1	396.7	534.5	530.4	509.9
87.5°	152.7	238.6	320.4	306.7	293.2
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)