

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: P730888

Luminaire Tested: **HBLED-LD5-30SE-N-CLI-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23769)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-N-CLI-UNV-L750
Description: 30000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29971.0 lumens
Efficiency: N/A
Efficacy: 157.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 0.64 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

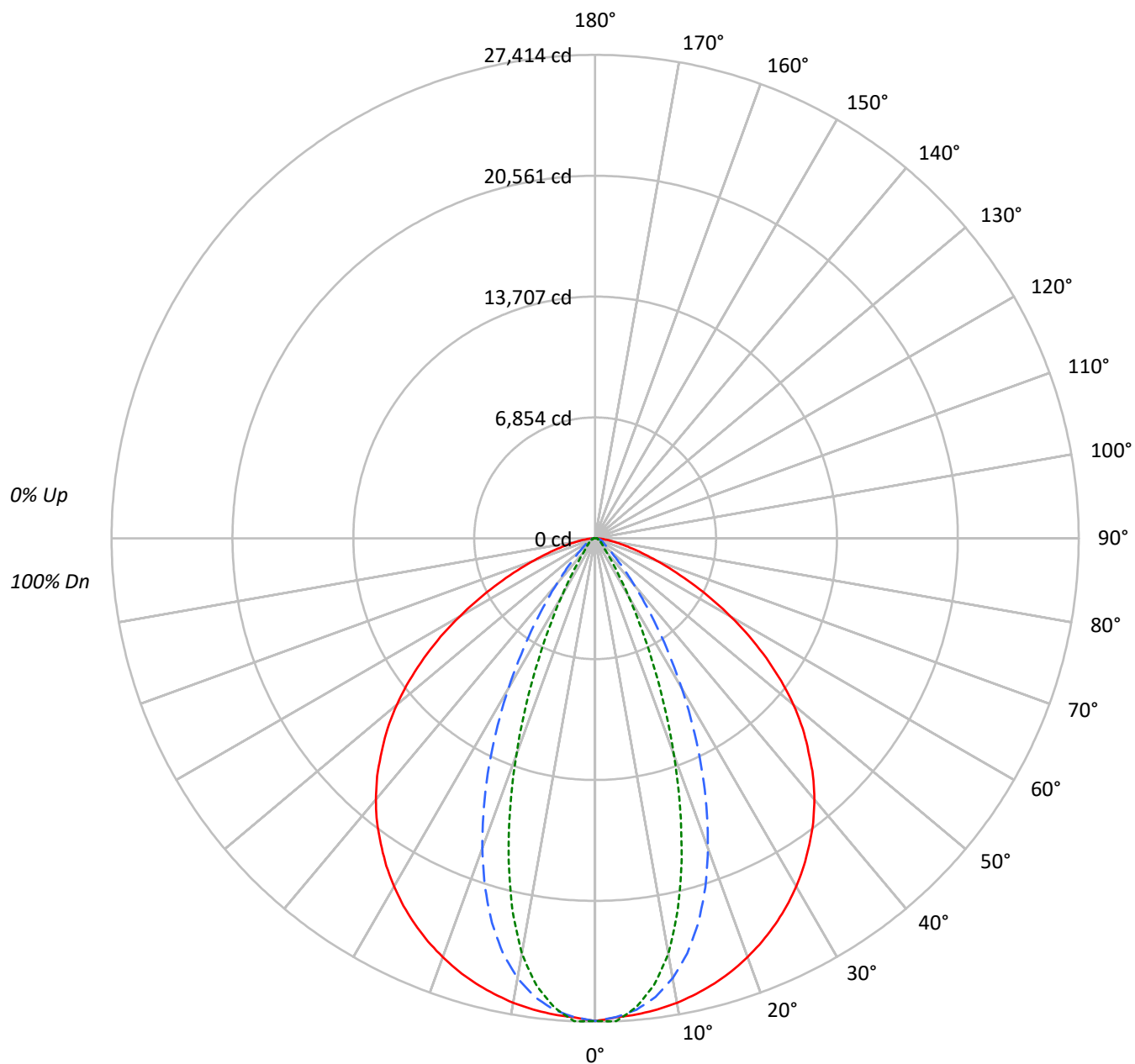
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90		
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	81		
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72		
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65		
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	60		
6	81	70	63	58	79	69	62	57	68	62	57	66	61	57	65	60	56	55		
7	76	65	58	53	75	64	58	53	63	57	52	62	56	52	60	56	52	50		
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46		
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43		
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	44201	44201	44201
5°	43936	43498	43270
10°	43862	41529	39189
15°	43685	37749	31649
20°	43424	32121	22431
25°	43035	25328	13553
30°	42512	18280	6965
35°	41745	11951	3479
40°	40755	7179	2030
45°	39062	4287	1518
50°	36842	2803	1275
55°	33344	2127	1112
60°	28654	1811	1015
65°	23049	1653	959
70°	17364	1770	953
75°	12773	1682	980
80°	9345	1676	1073
85°	6999	2032	1388



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2521.2	8.4
10°-20°	6272.2	20.9
20°-30°	6947.4	23.2
30°-40°	5566.1	18.6
40°-50°	3973.5	13.3
50°-60°	2552.2	8.5
60°-70°	1383.1	4.6
70°-80°	591.2	2.0
80°-90°	164.0	0.5
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°	15740.9	52.5
0°-40°	21307.0	71.1
0°-60°	27832.7	92.9
0°-90°	29971.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29971.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27376	27376	27376	27376	27376	
5°	27108	27209	26838	26753	26697	###
15°	26135	25317	22583	19958	18934	7374
25°	24156	21300	14217	9263	7608	11128
35°	21179	15319	6063	2446	1765	13242
45°	17107	8843	1877	799	665	13186
55°	11845	3954	756	464	395	10556
65°	6033	1624	433	298	251	6041
75°	2048	594	270	188	157	2275
85°	378	157	110	91	75	461
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	27376.3	27376.3	27376.3	27376.3	27376.3
2.5°	27196.1	27366.3	27183.1	27297.0	27413.7
5°	27108.1	27209.1	26838.4	26753.4	26697.2
7.5°	26955.2	26926.4	26230.1	25778.7	25560.9
10°	26753.4	26519.8	25330.2	24338.2	23902.8
12.5°	26465.0	25983.5	24111.8	22369.9	21631.7
15°	26134.8	25317.3	22583.4	19957.7	18933.9
17.5°	25739.7	24538.6	20756.4	17370.9	16019.8
20°	25272.6	23598.5	18694.6	14622.5	13055.1
22.5°	24750.6	22514.2	16486.9	11882.8	10201.7
25°	24156.5	21300.0	14217.4	9262.9	7607.6
27.5°	23514.9	19951.9	11960.8	6921.2	5411.5
30°	22802.5	18492.7	9805.0	4990.6	3736.1
32.5°	22025.3	16941.2	7802.3	3509.6	2555.1
35°	21179.0	15319.0	6063.2	2445.5	1764.9
37.5°	20312.3	13663.6	4579.5	1728.8	1266.0
40°	19336.1	12014.0	3405.9	1266.0	963.1
42.5°	18287.9	10396.3	2520.5	974.7	780.1
45°	17107.0	8843.3	1877.4	798.9	664.8
47.5°	15962.1	7395.7	1426.0	680.6	578.2
50°	14667.3	6089.3	1116.0	594.1	507.5
52.5°	13293.1	4940.1	905.5	523.4	447.0
55°	11845.4	3953.7	755.5	464.3	395.1
57.5°	10379.0	3131.8	646.0	413.8	351.9
60°	8873.6	2504.6	560.9	370.5	314.3
62.5°	7404.3	2002.9	490.2	333.1	281.2
65°	6033.0	1623.5	432.6	298.5	250.9
67.5°	4765.5	1283.3	403.8	268.2	226.5
70°	3678.3	999.2	374.9	239.3	201.9
72.5°	2787.2	767.2	331.7	213.4	178.8
75°	2047.5	594.1	269.7	187.5	157.1
77.5°	1465.0	457.1	219.2	162.9	135.6
80°	1005.0	340.4	180.2	139.8	115.4
82.5°	653.3	240.9	145.6	115.4	95.1
85°	377.8	157.1	109.7	90.9	74.9
87.5°	162.9	86.5	74.9	67.8	57.6
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)