

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: P730804

Luminaire Tested: **HBLED-LD5-30HE-N-CL-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23768)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-N-CL-UNV-L750
Description: 30000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30434.0 lumens
Efficiency: N/A
Efficacy: 170.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.63 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

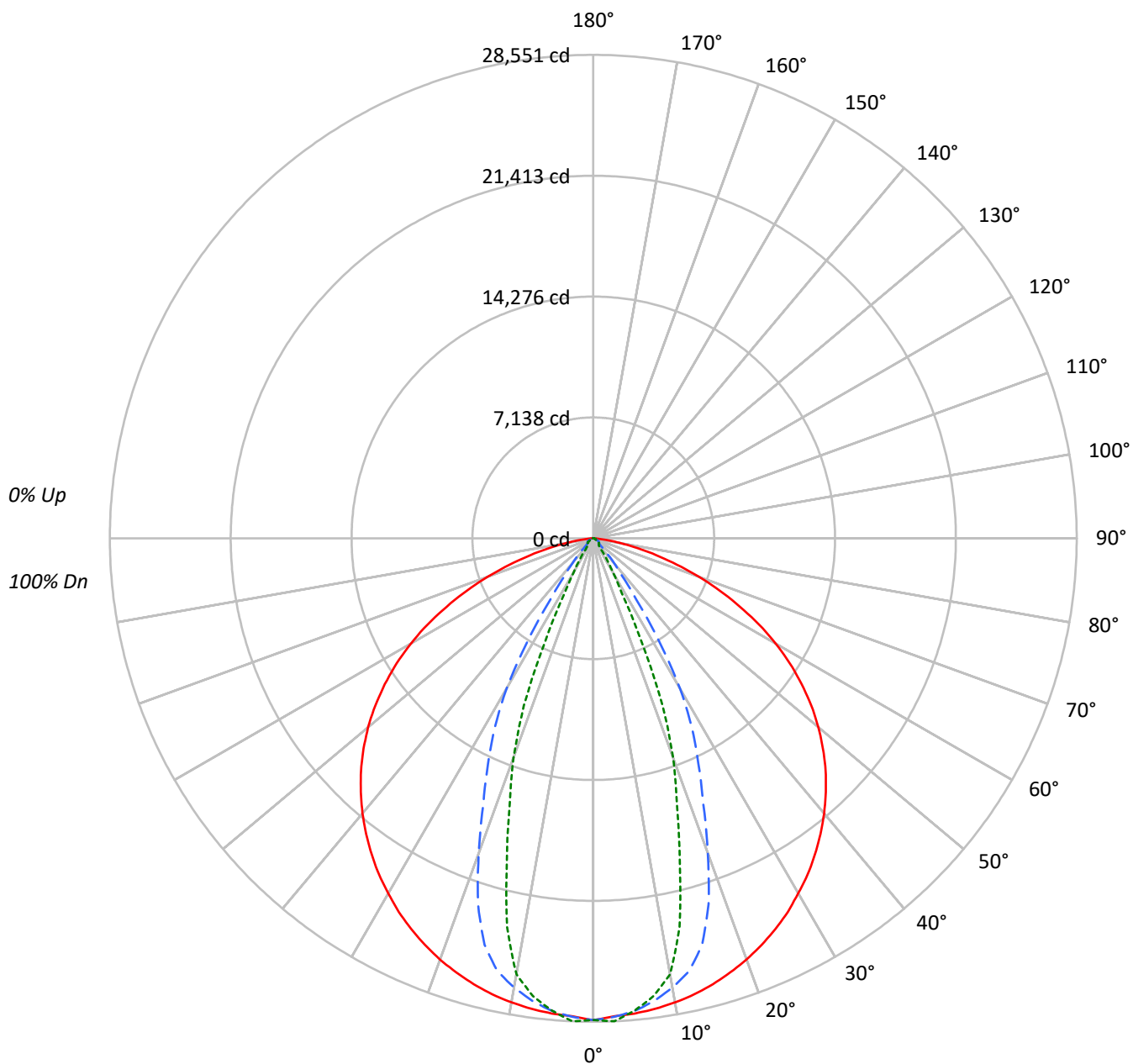
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	103	109	106	104	101	102	100	98	98	97	95	95	94	92	90		
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81		
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55		
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51		
8	72	61	55	50	71	61	54	50	60	54	49	59	53	49	58	53	49	47		
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44		
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	45946	45946	45946
5°	45663	45425	45392
10°	45633	44169	42866
15°	45580	41535	32959
20°	45492	33990	23642
25°	45349	26188	12014
30°	45134	19113	4371
35°	44973	8777	1521
40°	44696	3984	1050
45°	44299	1486	1064
50°	43593	1079	1119
55°	42302	1136	853
60°	40199	1213	752
65°	36456	924	612
70°	31257	667	564
75°	23891	591	536
80°	14948	555	583
85°	4722	648	784



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2649.3	8.7
10°-20°	6673.8	21.9
20°-30°	7268.0	23.9
30°-40°	5436.9	17.9
40°-50°	3909.2	12.8
50°-60°	2400.9	7.9
60°-70°	1381.5	4.5
70°-80°	616.6	2.0
80°-90°	97.8	0.3
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°	16591.1	54.5
0°-40°	22028.0	72.4
0°-60°	28338.1	93.1
0°-90°	30434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30434.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28456	28456	28456	28456	28456	
5°	28174	28307	28027	28053	28007	###
15°	27268	26746	24848	21340	19718	7697
25°	25455	23629	14700	9432	6744	11734
35°	22817	16365	4453	1309	772	14273
45°	19401	9194	651	482	466	14946
55°	15028	1910	403	390	303	13398
65°	9542	210	242	201	160	9446
75°	3830	127	95	98	86	4156
85°	255	25	35	45	42	508
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	28456.5	28456.5	28456.5	28456.5	28456.5
2.5°	28258.6	28443.5	28287.7	28427.4	28551.2
5°	28174.1	28306.6	28027.0	28053.2	28006.7
7.5°	28028.4	28060.5	27555.3	27360.1	27265.4
10°	27833.3	27747.4	26940.7	26476.3	26145.7
12.5°	27587.3	27303.3	26176.2	24517.6	23528.9
15°	27268.4	26745.6	24848.2	21340.3	19718.0
17.5°	26888.3	26163.1	22649.3	17785.7	16382.0
20°	26476.3	25519.5	19782.1	15122.4	13759.4
22.5°	25989.9	24696.7	16954.2	12577.0	10705.8
25°	25455.4	23629.4	14700.1	9431.7	6743.6
27.5°	24878.8	22221.2	12613.3	5783.9	3646.3
30°	24208.9	20507.3	10251.5	3245.9	2344.4
32.5°	23555.1	18509.5	7323.2	2162.4	1498.4
35°	22816.8	16364.6	4453.0	1309.1	771.7
37.5°	22034.8	14414.6	2787.1	712.0	532.9
40°	21206.3	12565.3	1890.1	505.4	498.1
42.5°	20320.9	10892.1	1183.8	480.5	496.5
45°	19400.6	9194.3	650.9	482.0	466.0
47.5°	18401.7	7350.8	454.4	455.8	454.4
50°	17354.8	5272.8	429.6	450.0	445.6
52.5°	16226.2	3273.5	431.0	439.7	394.6
55°	15027.7	1910.4	403.4	390.3	302.9
57.5°	13768.1	1191.1	394.6	321.9	272.3
60°	12448.8	629.1	375.7	289.8	232.9
62.5°	11043.6	310.2	301.4	247.6	190.8
65°	9542.3	209.8	241.8	200.9	160.2
67.5°	8091.9	189.2	182.1	164.5	139.8
70°	6621.2	173.2	141.2	144.1	119.4
72.5°	5178.2	157.2	113.5	123.8	100.5
75°	3829.7	126.7	94.7	97.5	86.0
77.5°	2664.8	99.0	74.3	83.0	80.1
80°	1607.7	62.7	59.7	68.4	62.7
82.5°	779.0	40.7	46.6	53.8	49.5
85°	254.9	24.7	35.0	45.1	42.3
87.5°	32.0	14.6	29.1	39.3	36.4
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)