

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: P730875

Luminaire Tested: **HBLED-LD5-30SE-N-CL-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730875
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-LD5-30SE-N-CL-UNV-L740
Description: 30000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29628.0 lumens
Efficiency: N/A
Efficacy: 155.9 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

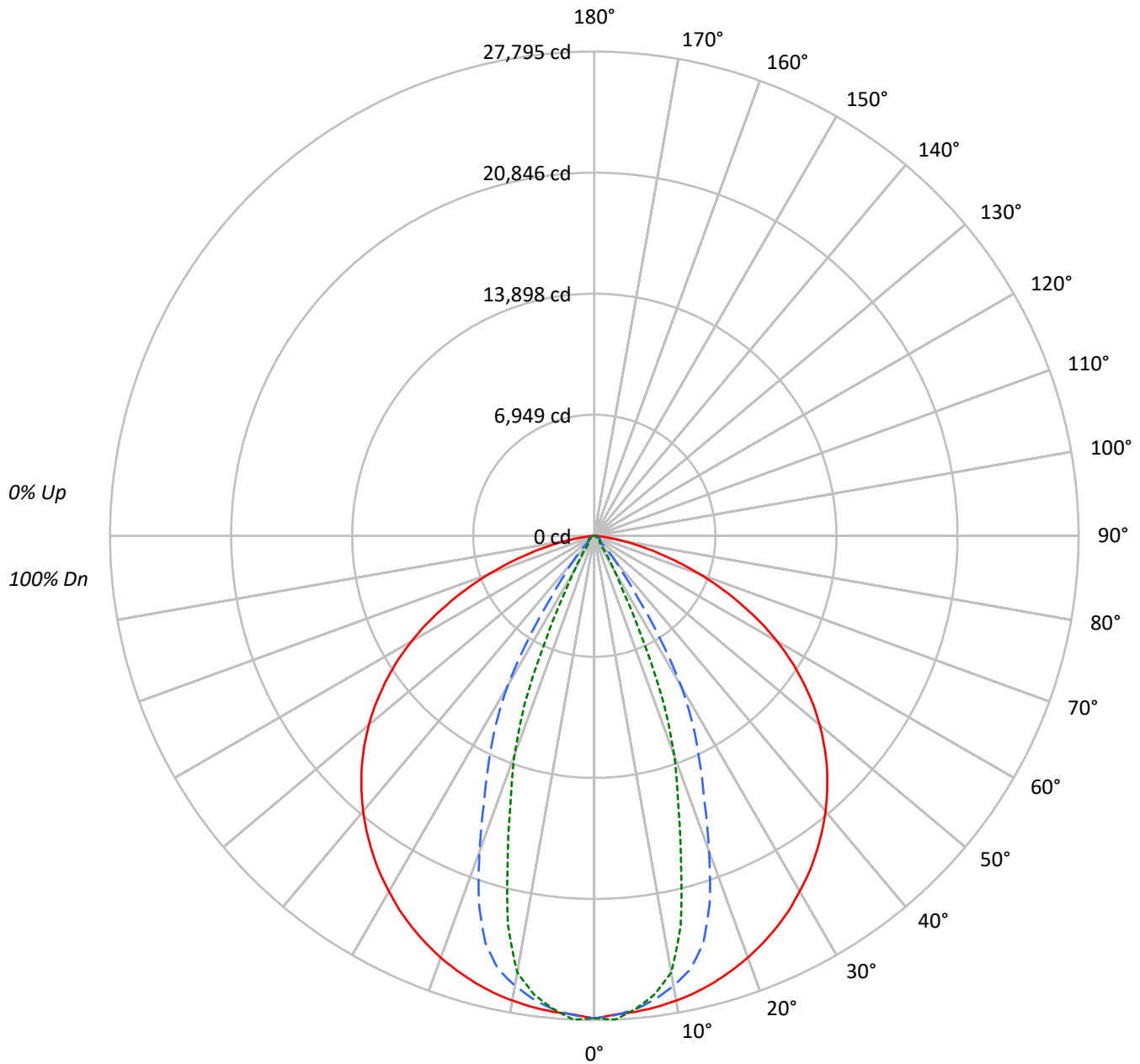
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	105	103	109	106	104	101	102	100	98		98	97	95		95
2	105	99	94	90	102	97	92	89	94	90	87		91	87	85		88
3	98	90	84	79	96	89	83	79	86	81	77		83	79	76		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	86	76	69	64	85	75	69	64	73	68	63		72	67	63		70
6	81	71	64	59	80	70	63	58	68	62	58		67	62	58		65
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54
10	65	54	48	43	64	54	47	43	53	47	43		52	47	43		51

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	44729	44729	44729
5°	44454	44222	44190
10°	44424	42999	41730
15°	44373	40435	32087
20°	44287	33090	23015
25°	44148	25495	11696
30°	43939	18606	4255
35°	43782	8545	1481
40°	43513	3878	1022
45°	43126	1447	1036
50°	42438	1051	1090
55°	41182	1105	830
60°	39135	1181	732
65°	35490	899	596
70°	30429	649	549
75°	23258	575	522
80°	14552	540	567
85°	4596	632	763



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2579.1	8.7
10°-20°	6497.0	21.9
20°-30°	7075.6	23.9
30°-40°	5292.9	17.9
40°-50°	3805.7	12.8
50°-60°	2337.3	7.9
60°-70°	1344.9	4.5
70°-80°	600.3	2.0
80°-90°	95.2	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°	16151.7	54.5
0°-40°	21444.6	72.4
0°-60°	27587.6	93.1
0°-90°	29628.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29628.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27703	27703	27703	27703	27703	
5°	27428	27557	27285	27310	27265	###
15°	26546	26037	24190	20775	19196	7494
25°	24781	23004	14311	9182	6565	11423
35°	22212	15931	4335	1274	751	13895
45°	18887	8951	634	469	454	14550
55°	14630	1860	393	380	295	13043
65°	9290	204	235	196	156	9196
75°	3728	123	92	95	84	4046
85°	248	24	34	44	41	494
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	27702.9	27702.9	27702.9	27702.9	27702.9
2.5°	27510.2	27690.2	27538.5	27674.6	27795.1
5°	27428.0	27557.0	27284.8	27310.2	27264.9
7.5°	27286.1	27317.3	26825.5	26635.5	26543.3
10°	27096.2	27012.6	26227.2	25775.1	25453.2
12.5°	26856.7	26580.3	25482.9	23868.3	22905.8
15°	26546.2	26037.3	24190.1	20775.2	19195.8
17.5°	26176.2	25470.2	22049.5	17314.6	15948.1
20°	25775.1	24843.6	19258.2	14721.9	13395.0
22.5°	25301.6	24042.7	16505.2	12243.9	10422.3
25°	24781.3	23003.6	14310.8	9181.9	6565.0
27.5°	24219.9	21632.7	12279.3	5630.7	3549.7
30°	23567.8	19964.2	9980.0	3159.9	2282.3
32.5°	22931.3	18019.3	7129.2	2105.1	1458.7
35°	22212.5	15931.2	4335.1	1274.5	751.3
37.5°	21451.2	14032.9	2713.3	693.2	518.8
40°	20644.7	12232.5	1840.0	492.0	484.9
42.5°	19782.7	10603.7	1152.5	467.8	483.4
45°	18886.9	8950.8	633.7	469.3	453.7
47.5°	17914.4	7156.2	442.3	443.7	442.3
50°	16895.1	5133.1	418.3	438.1	433.8
52.5°	15796.4	3186.8	419.6	428.1	384.2
55°	14629.8	1859.9	392.7	380.0	294.9
57.5°	13403.4	1159.6	384.2	313.3	265.1
60°	12119.1	612.5	365.7	282.2	226.8
62.5°	10751.1	302.0	293.4	241.0	185.7
65°	9289.6	204.2	235.4	195.6	155.9
67.5°	7877.6	184.2	177.3	160.2	136.1
70°	6445.9	168.6	137.5	140.3	116.3
72.5°	5041.1	153.1	110.5	120.5	97.8
75°	3728.3	123.4	92.2	94.9	83.7
77.5°	2594.2	96.4	72.4	80.8	78.0
80°	1565.1	61.0	58.1	66.6	61.0
82.5°	758.4	39.7	45.4	52.4	48.1
85°	248.1	24.1	34.1	43.9	41.2
87.5°	31.2	14.2	28.3	38.3	35.4
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)