

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: P730878

Luminaire Tested: **HBLED-LD5-30SE-N-CL-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730878
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-L840
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: 28281.0 lumens
Efficiency: N/A
Efficacy: 148.8 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

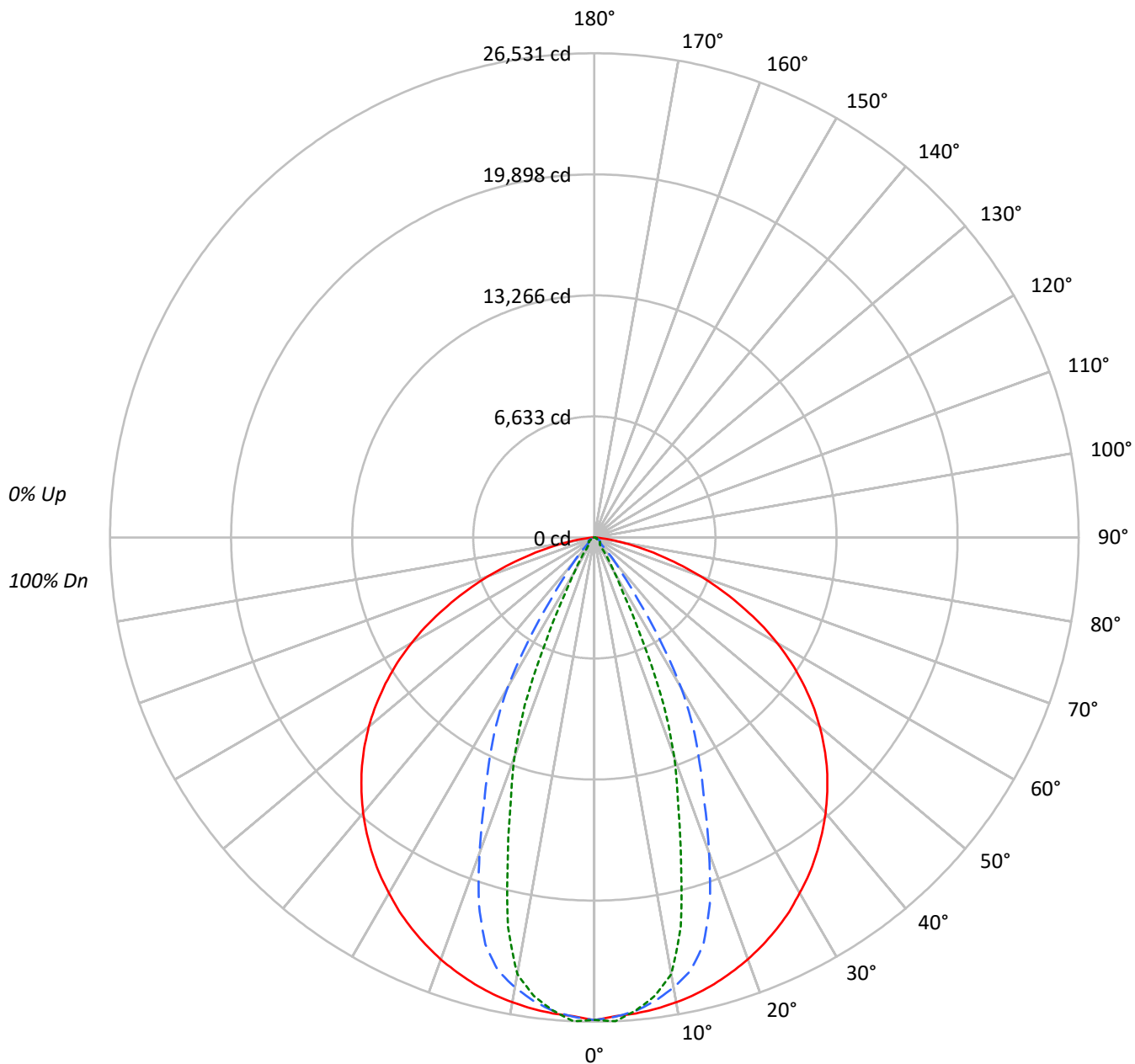
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	42695	42695	42695
5°	42433	42211	42181
10°	42404	41045	39833
15°	42356	38597	30628
20°	42273	31585	21969
25°	42141	24336	11164
30°	41941	17760	4062
35°	41791	8156	1413
40°	41534	3702	975
45°	41165	1381	989
50°	40509	1003	1040
55°	39310	1055	792
60°	37356	1127	699
65°	33877	858	568
70°	29046	619	524
75°	22201	549	498
80°	13890	516	541
85°	4387	602	728



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2461.9	8.7
10°-20°	6201.7	21.9
20°-30°	6753.9	23.9
30°-40°	5052.3	17.9
40°-50°	3632.7	12.8
50°-60°	2231.0	7.9
60°-70°	1283.8	4.5
70°-80°	573.0	2.0
80°-90°	90.9	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°	15417.4	54.5
0°-40°	20469.6	72.4
0°-60°	26333.4	93.1
0°-90°	28281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28281.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26443	26443	26443	26443	26443	
5°	26181	26304	26044	26069	26025	###
15°	25339	24854	23090	19831	18323	7153
25°	23655	21958	13660	8764	6266	10904
35°	21203	15207	4138	1216	717	13263
45°	18028	8544	605	448	433	13888
55°	13965	1775	375	363	282	12450
65°	8867	195	225	187	149	8777
75°	3559	118	88	91	80	3862
85°	237	23	32	42	39	472
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	26443.4	26443.4	26443.4	26443.4	26443.4
2.5°	26259.5	26431.3	26286.5	26416.4	26531.4
5°	26181.0	26304.1	26044.3	26068.6	26025.4
7.5°	26045.6	26075.4	25605.9	25424.6	25336.6
10°	25864.3	25784.5	25034.9	24603.2	24296.0
12.5°	25635.7	25371.8	24324.4	22783.2	21864.4
15°	25339.3	24853.5	23090.4	19830.6	18323.1
17.5°	24986.2	24312.2	21047.0	16527.4	15223.1
20°	24603.2	23714.1	18382.6	14052.6	12786.0
22.5°	24151.3	22949.6	15754.8	11687.2	9948.5
25°	23654.6	21957.8	13660.2	8764.5	6266.5
27.5°	23118.8	20649.2	11721.0	5374.7	3388.3
30°	22496.3	19056.6	9526.3	3016.2	2178.6
32.5°	21888.7	17200.1	6805.1	2009.4	1392.4
35°	21202.6	15206.9	4138.0	1216.5	717.1
37.5°	20476.0	13394.9	2590.0	661.7	495.2
40°	19706.1	11676.4	1756.4	469.6	462.8
42.5°	18883.3	10121.6	1100.1	446.5	461.4
45°	18028.2	8543.8	604.9	447.9	433.1
47.5°	17099.9	6830.8	422.2	423.5	422.2
50°	16127.0	4899.8	399.2	418.2	414.1
52.5°	15078.3	3041.9	400.5	408.6	366.7
55°	13964.6	1775.3	374.8	362.7	281.5
57.5°	12794.1	1106.9	366.7	299.1	253.0
60°	11568.2	584.6	349.1	269.3	216.5
62.5°	10262.3	288.3	280.0	230.0	177.3
65°	8867.2	194.9	224.7	186.7	148.8
67.5°	7519.5	175.9	169.2	152.9	129.9
70°	6152.8	161.0	131.2	134.0	111.0
72.5°	4811.9	146.1	105.5	115.0	93.3
75°	3558.8	117.8	88.0	90.6	79.9
77.5°	2476.3	92.0	69.1	77.2	74.4
80°	1493.9	58.2	55.5	63.6	58.2
82.5°	723.9	37.9	43.3	50.0	46.0
85°	236.8	23.0	32.5	41.9	39.3
87.5°	29.8	13.6	27.0	36.6	33.8
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)