

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: P730877

Luminaire Tested: **HBLED-LD5-30SE-N-CL-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730877
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-L835
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: 27489.0 lumens
Efficiency: N/A
Efficacy: 144.7 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

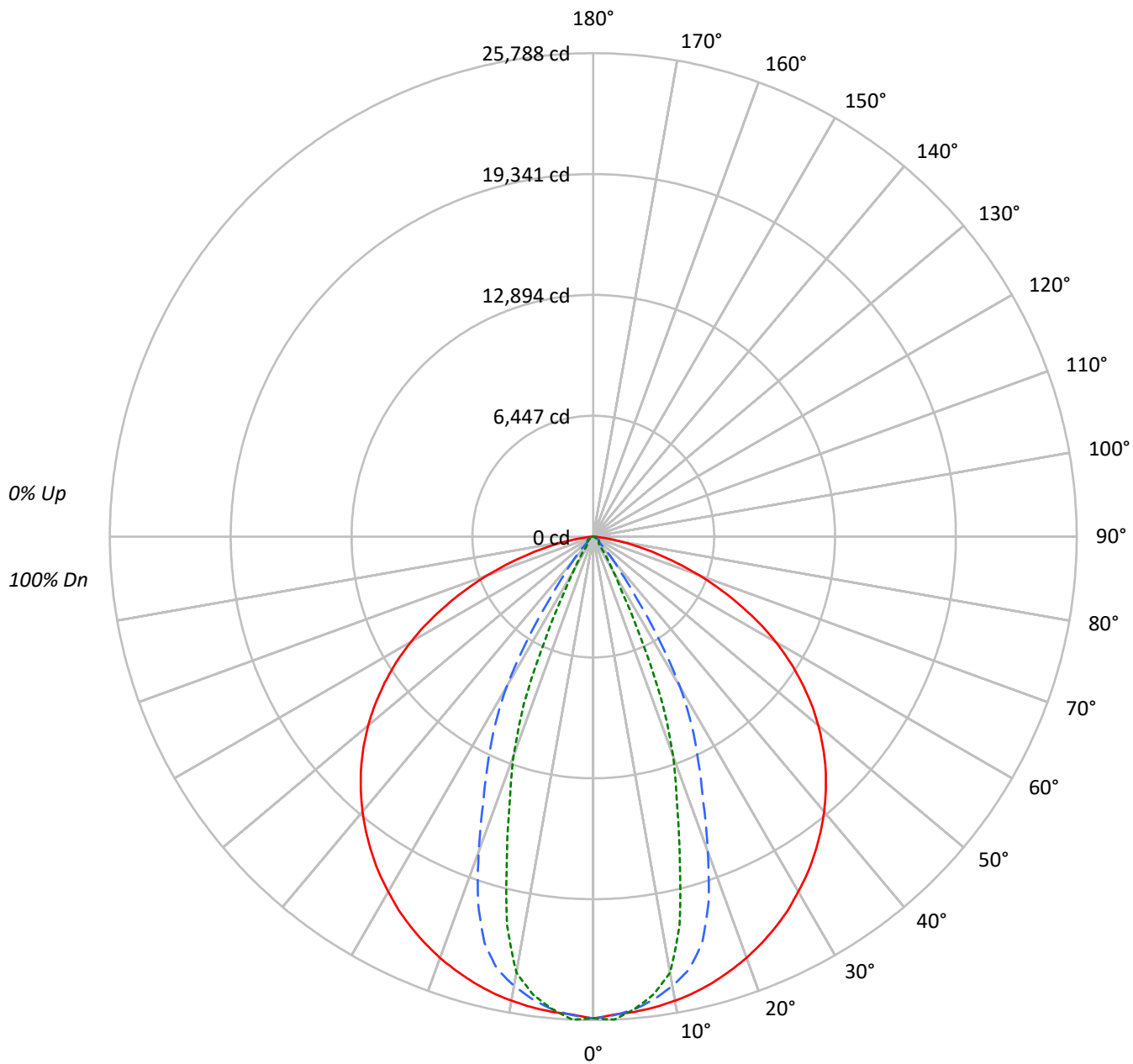
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	41500	41500	41500
5°	41245	41029	40999
10°	41217	39895	38718
15°	41170	37516	29770
20°	41090	30701	21354
25°	40961	23654	10851
30°	40767	17263	3948
35°	40621	7928	1374
40°	40371	3598	948
45°	40012	1342	961
50°	39374	975	1011
55°	38209	1025	770
60°	36309	1096	679
65°	32928	834	553
70°	28232	602	509
75°	21579	533	485
80°	13502	501	526
85°	4265	585	708



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2392.9	8.7
10°-20°	6028.0	21.9
20°-30°	6564.7	23.9
30°-40°	4910.8	17.9
40°-50°	3531.0	12.8
50°-60°	2168.6	7.9
60°-70°	1247.8	4.5
70°-80°	556.9	2.0
80°-90°	88.3	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°	14985.6	54.5
0°-40°	19896.4	72.4
0°-60°	25595.9	93.1
0°-90°	27489.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27489.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25703	25703	25703	25703	25703	
5°	25448	25568	25315	25339	25296	###
15°	24630	24158	22444	19275	17810	6953
25°	22992	21343	13278	8519	6091	10599
35°	20609	14781	4022	1182	697	12891
45°	17523	8305	588	435	421	13499
55°	13574	1726	364	352	274	12102
65°	8619	190	218	182	145	8532
75°	3459	114	86	88	78	3754
85°	230	22	32	41	38	459
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	25702.9	25702.9	25702.9	25702.9	25702.9
2.5°	25524.1	25691.1	25550.3	25676.6	25788.4
5°	25447.8	25567.5	25314.9	25338.6	25296.5
7.5°	25316.2	25345.1	24888.8	24712.6	24627.0
10°	25140.0	25062.4	24333.8	23914.2	23615.6
12.5°	24917.8	24661.3	23643.2	22145.1	21252.1
15°	24629.7	24157.5	22443.7	19275.3	17810.0
17.5°	24286.4	23631.4	20457.6	16064.6	14796.7
20°	23914.2	23050.0	17867.8	13659.1	12427.9
22.5°	23474.9	22306.9	15313.6	11359.9	9669.9
25°	22992.2	21342.9	13277.6	8519.0	6091.1
27.5°	22471.4	20070.9	11392.8	5224.2	3293.4
30°	21866.3	18522.9	9259.5	2931.8	2117.6
32.5°	21275.7	16718.4	6614.5	1953.1	1353.4
35°	20608.9	14781.0	4022.1	1182.5	697.1
37.5°	19902.6	13019.8	2517.4	643.1	481.3
40°	19154.2	11349.4	1707.2	456.5	449.9
42.5°	18354.5	9838.1	1069.3	434.0	448.5
45°	17523.3	8304.6	587.9	435.4	420.9
47.5°	16621.1	6639.5	410.4	411.7	410.4
50°	15675.4	4762.5	388.1	406.5	402.5
52.5°	14656.0	2956.8	389.3	397.2	356.5
55°	13573.6	1725.6	364.3	352.5	273.6
57.5°	12435.8	1075.9	356.5	290.7	245.9
60°	11244.2	568.3	339.3	261.8	210.4
62.5°	9974.9	280.2	272.2	223.6	172.3
65°	8618.9	189.5	218.4	181.5	144.7
67.5°	7308.9	170.9	164.5	148.6	126.3
70°	5980.5	156.5	127.5	130.2	107.9
72.5°	4677.1	142.0	102.5	111.8	90.7
75°	3459.2	114.5	85.5	88.1	77.7
77.5°	2406.9	89.5	67.1	75.0	72.3
80°	1452.1	56.6	53.9	61.8	56.6
82.5°	703.7	36.8	42.1	48.6	44.7
85°	230.2	22.3	31.6	40.7	38.2
87.5°	28.9	13.2	26.3	35.5	32.9
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)