

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: P730874

Luminaire Tested: **HBLED-LD5-30SE-N-CL-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730874
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-L735
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: 28757.0 lumens
Efficiency: N/A
Efficacy: 151.4 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

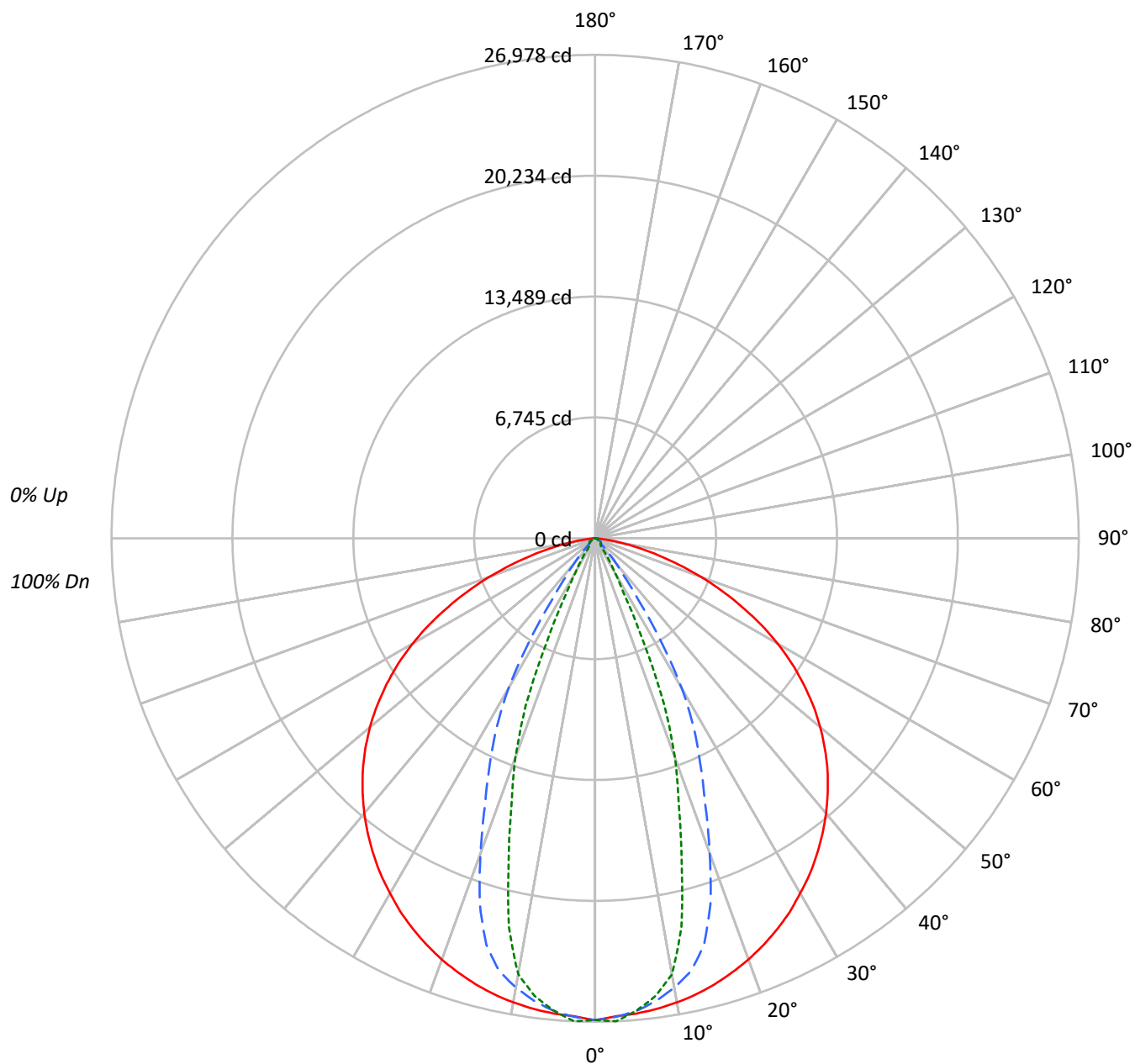
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	43414	43414	43414
5°	43147	42922	42891
10°	43118	41735	40504
15°	43069	39246	31143
20°	42985	32117	22339
25°	42850	24745	11352
30°	42647	18059	4130
35°	42495	8293	1437
40°	42234	3764	992
45°	41858	1404	1005
50°	41191	1020	1058
55°	39971	1073	806
60°	37984	1146	711
65°	34447	873	578
70°	29535	630	532
75°	22574	558	507
80°	14125	524	550
85°	4461	613	741



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2503.3	8.7
10°-20°	6306.0	21.9
20°-30°	6867.6	23.9
30°-40°	5137.3	17.9
40°-50°	3693.8	12.8
50°-60°	2268.6	7.9
60°-70°	1305.4	4.5
70°-80°	582.6	2.0
80°-90°	92.4	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°	15676.9	54.5
0°-40°	20814.2	72.4
0°-60°	26776.6	93.1
0°-90°	28757.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28757.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26888	26888	26888	26888	26888	
5°	26622	26747	26483	26507	26463	###
15°	25766	25272	23479	20164	18632	7273
25°	24053	22327	13890	8912	6372	11087
35°	21560	15463	4208	1237	729	13486
45°	18332	8688	615	456	440	14122
55°	14200	1805	381	369	286	12660
65°	9016	198	228	190	151	8925
75°	3619	120	90	92	81	3927
85°	241	23	33	43	40	480
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	26888.5	26888.5	26888.5	26888.5	26888.5
2.5°	26701.4	26876.1	26728.9	26861.0	26978.0
5°	26621.7	26746.8	26482.7	26507.4	26463.4
7.5°	26484.0	26514.3	26036.9	25852.5	25763.0
10°	26299.6	26218.5	25456.2	25017.3	24705.0
12.5°	26067.1	25798.9	24733.8	23166.6	22232.4
15°	25765.8	25271.8	23479.0	20164.4	18631.5
17.5°	25406.7	24721.4	21401.3	16805.6	15479.3
20°	25017.3	24113.3	18692.0	14289.2	13001.2
22.5°	24557.7	23335.9	16020.0	11883.9	10115.9
25°	24052.7	22327.4	13890.1	8912.0	6372.0
27.5°	23507.9	20996.8	11918.3	5465.2	3445.3
30°	22875.0	19377.3	9686.6	3067.0	2215.3
32.5°	22257.1	17489.6	6919.6	2043.2	1415.8
35°	21559.5	15462.8	4207.6	1237.0	729.2
37.5°	20820.6	13620.3	2633.6	672.8	503.5
40°	20037.8	11872.9	1785.9	477.5	470.6
42.5°	19201.2	10292.0	1118.6	454.0	469.1
45°	18331.6	8687.6	615.0	455.5	440.3
47.5°	17387.7	6945.8	429.3	430.7	429.3
50°	16398.5	4982.2	406.0	425.2	421.1
52.5°	15332.1	3093.1	407.3	415.5	372.9
55°	14199.7	1805.2	381.1	368.8	286.2
57.5°	13009.4	1125.5	372.9	304.1	257.3
60°	11762.9	594.5	355.0	273.9	220.1
62.5°	10435.1	293.1	284.8	233.9	180.3
65°	9016.5	198.2	228.5	189.8	151.3
67.5°	7646.1	178.8	172.0	155.5	132.1
70°	6256.4	163.7	133.4	136.2	112.8
72.5°	4892.9	148.6	107.3	117.0	94.9
75°	3618.7	119.7	89.5	92.1	81.2
77.5°	2517.9	93.6	70.2	78.5	75.7
80°	1519.1	59.2	56.4	64.7	59.2
82.5°	736.1	38.5	44.1	50.8	46.7
85°	240.8	23.4	33.1	42.6	40.0
87.5°	30.3	13.8	27.5	37.2	34.4
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)