

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: P730856

Luminaire Tested: **HBLED-LD5-30HE-W-FLI-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730856
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26703)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-FLI-UNV-L735
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND FROSTED LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28397.0 lumens
Efficiency: N/A
Efficacy: 158.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.31
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

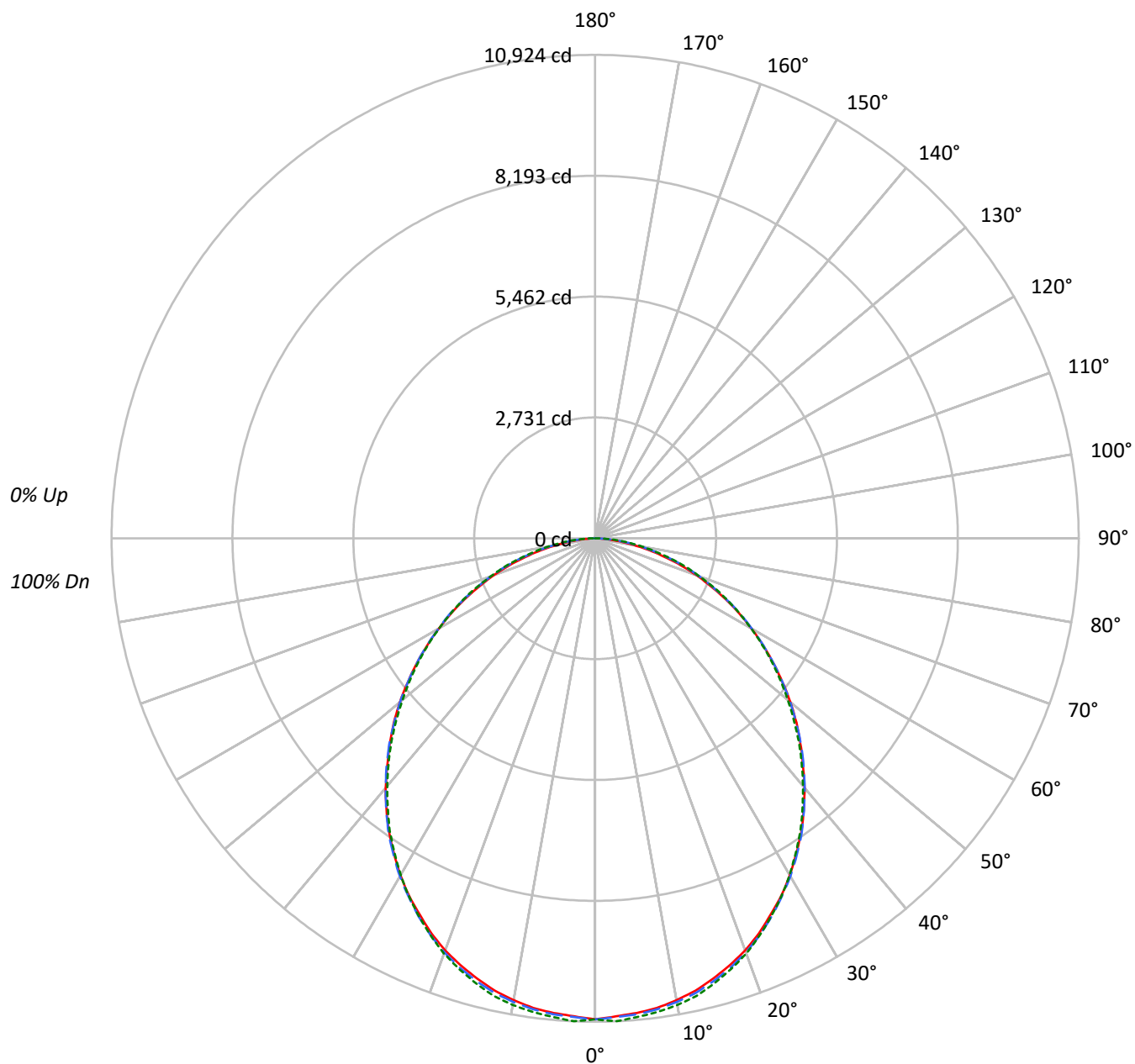
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84		
2	99	91	85	79	97	89	83	78	86	81	76	83	78	74	80	76	73	71		
3	91	80	72	66	88	79	71	65	76	69	64	73	68	63	71	66	62	60		
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51		
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45		
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39		
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35		
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31		
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17553	17553	17553
5°	17453	17502	17602
10°	17373	17444	17557
15°	17221	17314	17399
20°	17026	17108	17157
25°	16710	16805	16781
30°	16402	16446	16379
35°	15996	16037	15935
40°	15515	15515	15396
45°	14973	15014	14861
50°	14458	14434	14254
55°	13833	13834	13710
60°	13163	13178	13127
65°	12405	12530	12561
70°	11458	11772	11785
75°	10126	10782	10950
80°	8305	9442	9977
85°	5763	7929	8964



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1028.1	3.6
10°-20°	2924.8	10.3
20°-30°	4346.5	15.3
30°-40°	5082.2	17.9
40°-50°	5067.1	17.8
50°-60°	4396.4	15.5
60°-70°	3247.2	11.4
70°-80°	1818.1	6.4
80°-90°	485.1	1.7
90°-100°	1.5	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°	8299.5	29.2
0°-40°	13381.7	47.1
0°-60°	22845.1	80.4
0°-90°	28395.5	100.0
90°-120°	1.5	0.0
90°-150°	1.5	0.0
90°-180°	1.0	0.0
0°-180°	28397.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10871	10871	10871	10871	10871	
5°	10768	10836	10799	10846	10860	###
15°	10302	10374	10358	10408	10409	2906
25°	9380	9455	9433	9454	9419	4325
35°	8116	8187	8136	8135	8084	5069
45°	6557	6627	6575	6548	6508	5062
55°	4914	4948	4915	4906	4870	4394
65°	3247	3279	3280	3296	3288	3211
75°	1623	1672	1728	1741	1755	1729
85°	311	376	428	466	484	378
90°	0	7	8	19	17	13
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10871.2	10871.2	10871.2	10871.2	10871.2
2.5°	10811.7	10876.1	10831.1	10874.0	10923.8
5°	10768.2	10836.0	10798.6	10846.3	10860.1
7.5°	10704.6	10770.3	10734.3	10782.0	10796.6
10°	10596.7	10668.0	10639.6	10693.6	10708.8
12.5°	10470.9	10537.9	10519.3	10582.2	10592.6
15°	10302.2	10374.2	10358.2	10408.0	10408.7
17.5°	10115.6	10183.3	10171.5	10210.3	10208.8
20°	9908.9	9981.4	9956.6	9998.7	9985.5
22.5°	9664.2	9741.6	9710.4	9745.7	9712.5
25°	9380.0	9455.4	9433.3	9453.9	9419.4
27.5°	9104.8	9174.0	9128.3	9153.2	9116.6
30°	8797.8	8856.6	8821.4	8829.7	8785.5
32.5°	8452.9	8522.7	8479.8	8478.5	8431.4
35°	8115.5	8186.7	8136.3	8134.9	8084.5
37.5°	7742.2	7808.6	7749.1	7752.6	7693.8
40°	7361.3	7418.7	7361.3	7358.5	7304.6
42.5°	6947.8	7023.9	6971.4	6977.5	6905.7
45°	6557.3	6627.1	6575.3	6548.3	6508.2
47.5°	6168.1	6198.5	6155.6	6148.7	6092.0
50°	5756.0	5778.8	5746.3	5738.0	5674.5
52.5°	5330.2	5369.6	5328.1	5317.0	5274.9
55°	4914.0	4947.8	4914.6	4906.4	4870.4
57.5°	4495.1	4539.3	4505.4	4497.1	4468.1
60°	4076.2	4089.2	4081.0	4093.3	4065.1
62.5°	3659.9	3690.3	3700.0	3696.6	3674.4
65°	3247.1	3279.0	3279.7	3296.3	3287.9
67.5°	2824.8	2866.2	2878.1	2895.3	2902.9
70°	2427.2	2459.0	2493.7	2503.9	2496.4
72.5°	2027.0	2078.1	2116.9	2125.8	2158.3
75°	1623.2	1671.6	1728.4	1740.8	1755.3
77.5°	1248.6	1312.8	1364.0	1380.6	1398.6
80°	893.2	964.4	1015.5	1038.3	1073.0
82.5°	586.2	658.9	710.7	733.5	775.7
85°	311.1	376.1	428.0	465.9	483.9
87.5°	91.9	147.2	176.9	188.0	204.0
90°	0.0	6.9	8.3	18.7	17.3
92.5°	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







107.5°	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0



(END OF REPORT)