

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: P730895

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730895
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23767)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-N-UNV-L835
Description: 30000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29348.0 lumens
Efficiency: N/A
Efficacy: 154.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.62 / 0.77
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

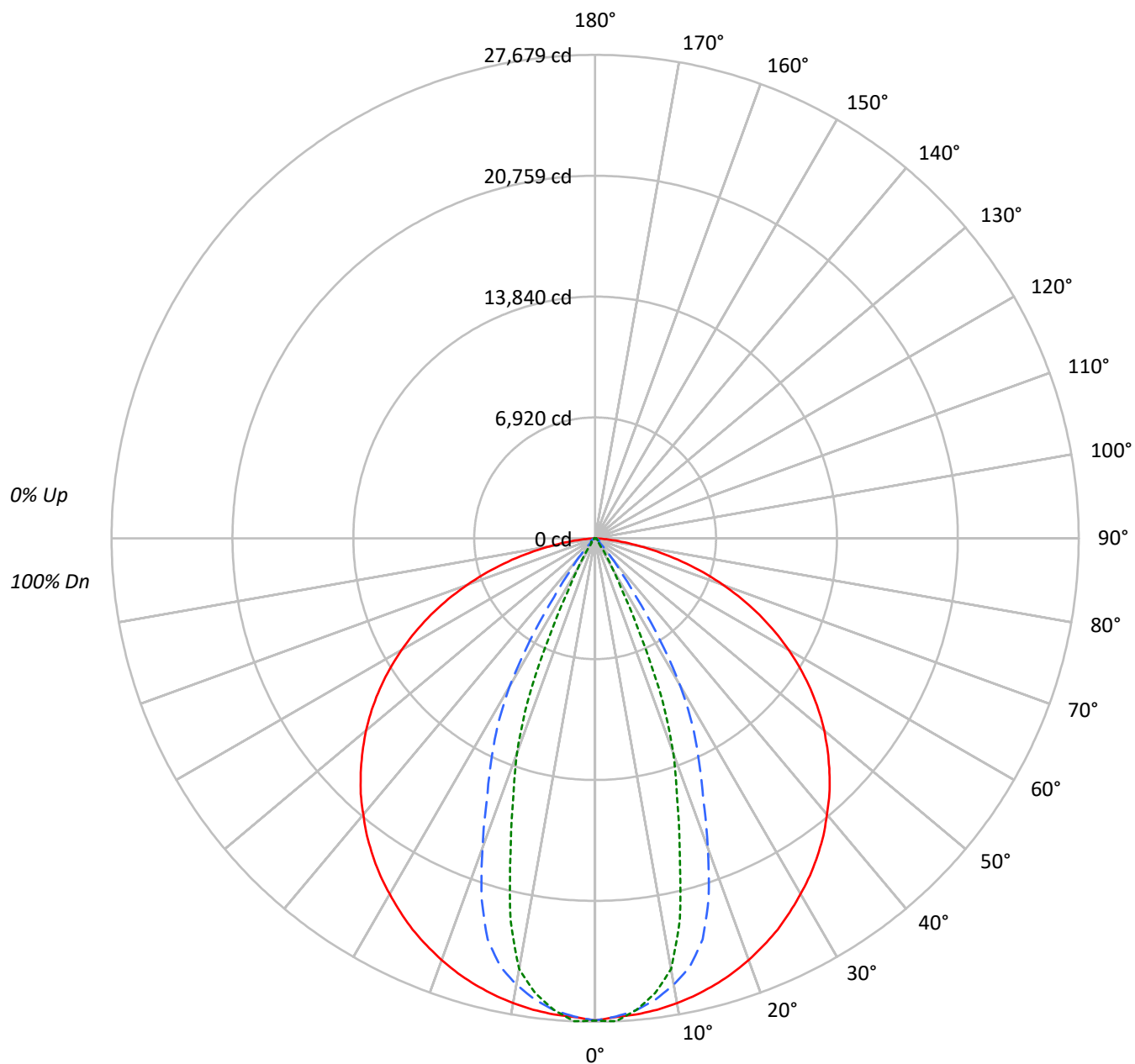
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730895

CATALOG NUMBER: HBLED-LD5-30SE-N-UNV-L835

Luminous Intensity Polar Plot





TEST NUMBER: P730895

CATALOG NUMBER: HBLED-LD5-30SE-N-UNV-L835

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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90		
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	81		
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60		
6	81	70	63	58	79	70	63	58	68	62	58	66	61	57	65	60	57	55		
7	76	66	58	54	75	65	58	53	63	57	53	62	57	53	61	56	52	51		
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47		
9	68	57	51	46	67	57	50	46	56	50	46	55	49	46	54	49	45	44		
10	65	54	47	43	64	53	47	43	53	47	43	52	46	43	51	46	42	41		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	44582	44582	44582
5°	44343	43952	43933
10°	44316	42543	41051
15°	44253	39745	31242
20°	44150	32400	22488
25°	44038	25053	11078
30°	43843	18208	3593
35°	43740	8078	924
40°	43510	3281	623
45°	43316	921	663
50°	42978	653	736
55°	42359	776	314
60°	41313	865	191
65°	39614	552	226
70°	36802	490	279
75°	32195	369	385
80°	24072	452	550
85°	11923	584	728



TEST NUMBER: P730895

CATALOG NUMBER: HBLED-LD5-30SE-N-UNV-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2562.4	8.7
10°-20°	6407.4	21.8
20°-30°	6940.1	23.6
30°-40°	5139.5	17.5
40°-50°	3701.7	12.6
50°-60°	2292.1	7.8
60°-70°	1409.6	4.8
70°-80°	743.1	2.5
80°-90°	152.1	0.5
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°	15909.9	54.2
0°-40°	21049.4	71.7
0°-60°	27043.2	92.1
0°-90°	29348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29348.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27612	27612	27612	27612	27612	
5°	27360	27461	27118	27138	27106	###
15°	26474	25860	23778	20221	18690	7473
25°	24720	22643	14063	8847	6218	11390
35°	22191	15644	4098	964	469	13883
45°	18970	8814	403	292	290	14630
55°	15048	1815	276	250	112	13433
65°	10369	192	144	92	59	10231
75°	5161	45	59	78	62	5451
85°	644	17	32	47	39	972
90°	0	0	0	0	0	



TEST NUMBER: P730895

CATALOG NUMBER: HBLED-LD5-30SE-N-UNV-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	27611.9	27611.9	27611.9	27611.9	27611.9
2.5°	27434.6	27609.4	27403.1	27556.8	27678.9
5°	27359.7	27460.9	27118.0	27137.7	27106.2
7.5°	27228.3	27204.7	26628.1	26375.9	26265.6
10°	27030.1	26873.7	25949.0	25422.3	25038.7
12.5°	26773.9	26424.5	25101.8	23427.0	22386.7
15°	26474.4	25859.7	23777.7	20220.7	18690.4
17.5°	26117.1	25246.3	21613.0	16947.3	15581.3
20°	25695.4	24561.9	18857.1	14418.8	13088.2
22.5°	25225.2	23729.1	16180.3	11983.4	10085.4
25°	24719.5	22642.9	14062.7	8846.7	6218.3
27.5°	24135.0	21246.5	12076.7	5210.9	3173.6
30°	23516.4	19565.1	9766.1	2803.1	1927.0
32.5°	22892.4	17659.2	6910.5	1751.0	1092.8
35°	22191.0	15644.2	4098.2	964.1	469.0
37.5°	21459.3	13797.5	2422.1	438.8	300.8
40°	20643.6	12109.6	1556.5	291.6	295.5
42.5°	19855.5	10535.9	876.2	287.6	292.9
45°	18970.1	8813.8	403.2	291.6	290.3
47.5°	18054.6	7028.7	261.3	294.2	294.2
50°	17110.2	5025.7	260.1	300.8	292.9
52.5°	16113.2	3135.5	270.6	299.5	240.4
55°	15047.9	1815.3	275.8	249.5	111.7
57.5°	13944.6	1070.5	278.5	143.2	63.1
60°	12793.8	592.4	267.9	106.4	59.1
62.5°	11607.7	282.4	211.5	99.9	57.8
65°	10369.0	191.8	144.4	91.9	59.1
67.5°	9083.1	148.4	114.2	86.7	60.4
70°	7795.8	110.3	103.8	86.7	59.1
72.5°	6487.6	74.9	86.7	88.0	59.1
75°	5160.8	44.7	59.1	77.6	61.7
77.5°	3846.0	27.5	45.9	80.1	74.9
80°	2588.9	23.6	48.6	74.9	59.1
82.5°	1519.8	21.1	47.3	57.8	47.3
85°	643.6	17.1	31.5	47.3	39.3
87.5°	120.8	14.5	25.0	38.1	34.1
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)