

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: P730916

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-W-CL-WG-UNV-L735
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28278.0 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

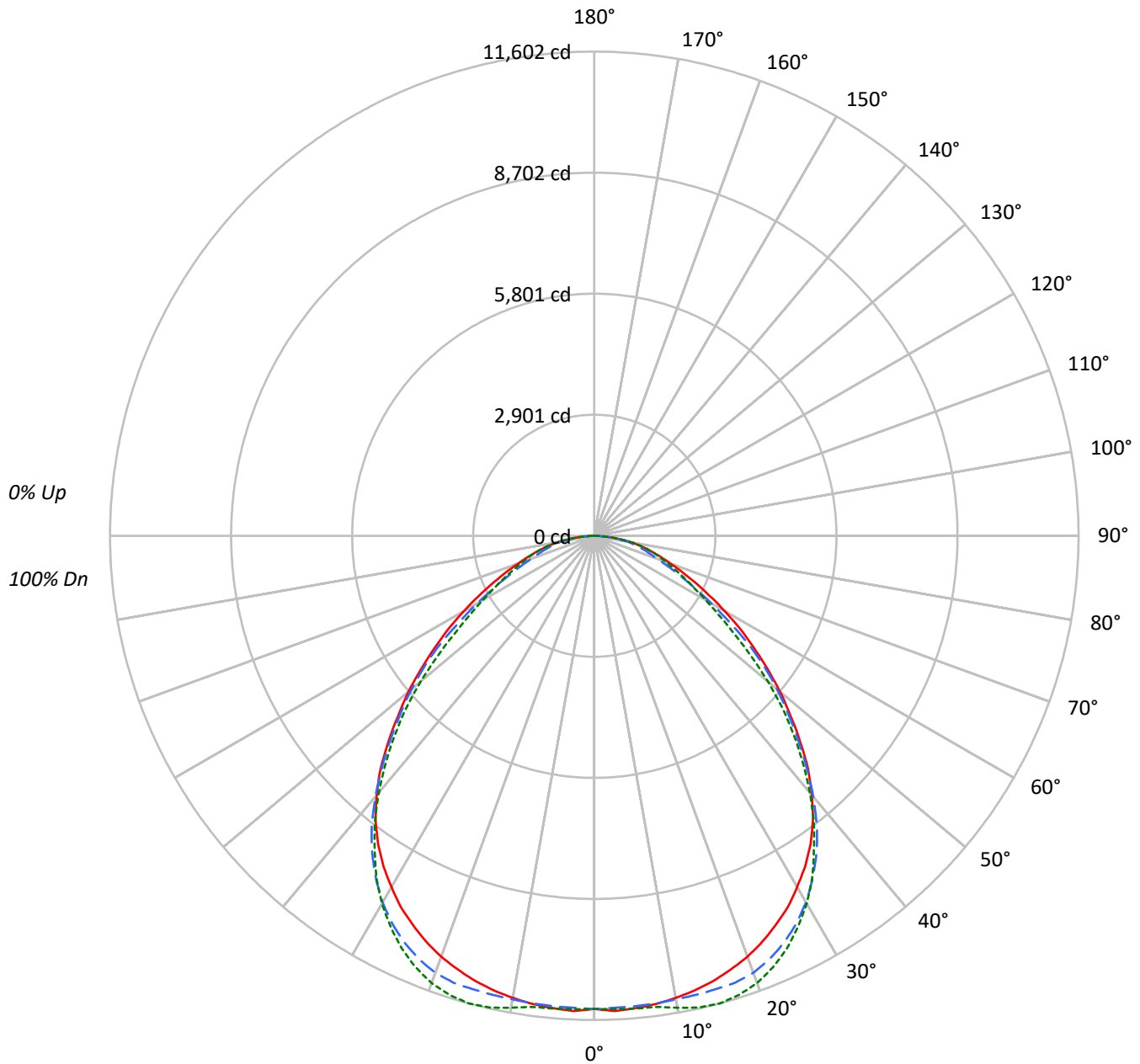
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18307	18307	18307
5°	18415	18339	18429
10°	18432	18494	18825
15°	18455	18802	19393
20°	18442	19145	19593
25°	18329	19163	19444
30°	18119	18909	18969
35°	17795	18296	18077
40°	17093	17198	16927
45°	15927	15760	15439
50°	14582	14347	13612
55°	13098	12612	11509
60°	11616	10436	9935
65°	10235	8670	9017
70°	9154	7524	8587
75°	8575	7316	8684
80°	8348	7397	8266
85°	6664	5852	6067



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1080.1	3.8
10°-20°	3181.6	11.3
20°-30°	4894.5	17.3
30°-40°	5712.1	20.2
40°-50°	5308.1	18.8
50°-60°	3934.5	13.9
60°-70°	2405.2	8.5
70°-80°	1370.0	4.8
80°-90°	391.8	1.4
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°	9156.2	32.4
0°-40°	14868.3	52.6
0°-60°	24110.9	85.3
0°-90°	28278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28278.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11339	11339	11339	11339	11339	
5°	11362	11309	11315	11306	11371	###
15°	11040	11034	11248	11470	11602	3116
25°	10289	10368	10757	10847	10914	4739
35°	9028	9098	9283	9207	9172	5625
45°	6975	7016	6902	6794	6762	5375
55°	4653	4536	4480	4162	4088	4176
65°	2679	2433	2270	2331	2360	2681
75°	1375	1290	1173	1337	1392	1471
85°	360	351	316	328	328	415
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11338.7	11338.7	11338.7	11338.7	11338.7
2.5°	11400.1	11335.7	11324.0	11297.8	11356.2
5°	11362.1	11309.4	11315.2	11306.5	11370.9
7.5°	11318.2	11280.2	11303.6	11300.6	11385.5
10°	11242.2	11221.7	11280.2	11344.5	11482.0
12.5°	11157.3	11136.9	11265.6	11429.3	11578.5
15°	11040.4	11034.4	11248.0	11470.2	11601.9
17.5°	10894.1	10902.9	11227.5	11417.7	11534.6
20°	10733.3	10747.9	11142.7	11297.8	11403.1
22.5°	10525.7	10575.4	10978.9	11107.6	11189.5
25°	10288.7	10367.6	10756.7	10847.4	10914.5
27.5°	10034.3	10113.3	10481.7	10528.5	10566.6
30°	9718.4	9829.5	10142.4	10148.4	10174.6
32.5°	9396.7	9496.2	9736.0	9709.6	9715.4
35°	9028.2	9098.4	9282.6	9206.7	9171.5
37.5°	8604.2	8642.2	8759.1	8645.2	8639.2
40°	8109.9	8159.6	8159.6	8001.7	8030.9
42.5°	7583.5	7601.0	7528.0	7378.7	7402.1
45°	6975.1	7016.1	6902.0	6793.8	6761.7
47.5°	6372.7	6413.6	6293.7	6168.0	6112.4
50°	5805.3	5784.8	5711.8	5498.2	5419.3
52.5°	5217.5	5153.1	5123.9	4811.0	4720.3
55°	4653.0	4536.1	4480.5	4161.7	4088.5
57.5°	4129.5	3919.0	3813.7	3565.1	3535.8
60°	3597.3	3360.4	3231.7	3070.8	3076.6
62.5°	3114.8	2866.0	2711.1	2664.4	2684.8
65°	2679.0	2433.2	2269.5	2330.9	2360.1
67.5°	2284.1	2082.3	1898.1	2041.4	2070.6
70°	1939.0	1778.2	1593.9	1804.5	1819.1
72.5°	1652.3	1520.8	1365.8	1564.6	1596.8
75°	1374.6	1289.8	1172.7	1336.6	1392.1
77.5°	1131.8	1064.6	997.3	1096.8	1158.1
80°	897.8	830.6	795.5	848.1	889.0
82.5°	634.6	590.8	555.7	593.7	614.2
85°	359.7	350.9	315.9	327.5	327.5
87.5°	81.9	93.5	105.3	96.5	81.9
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)