

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: P730629

Luminaire Tested: **HBLED-LD5-18SE-W-CL-WG-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730629
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-LD5-18SE-W-CL-WG-UNV-L740
Description: 18000 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: 17407.0 lumens
Efficiency: N/A
Efficacy: 151.6 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

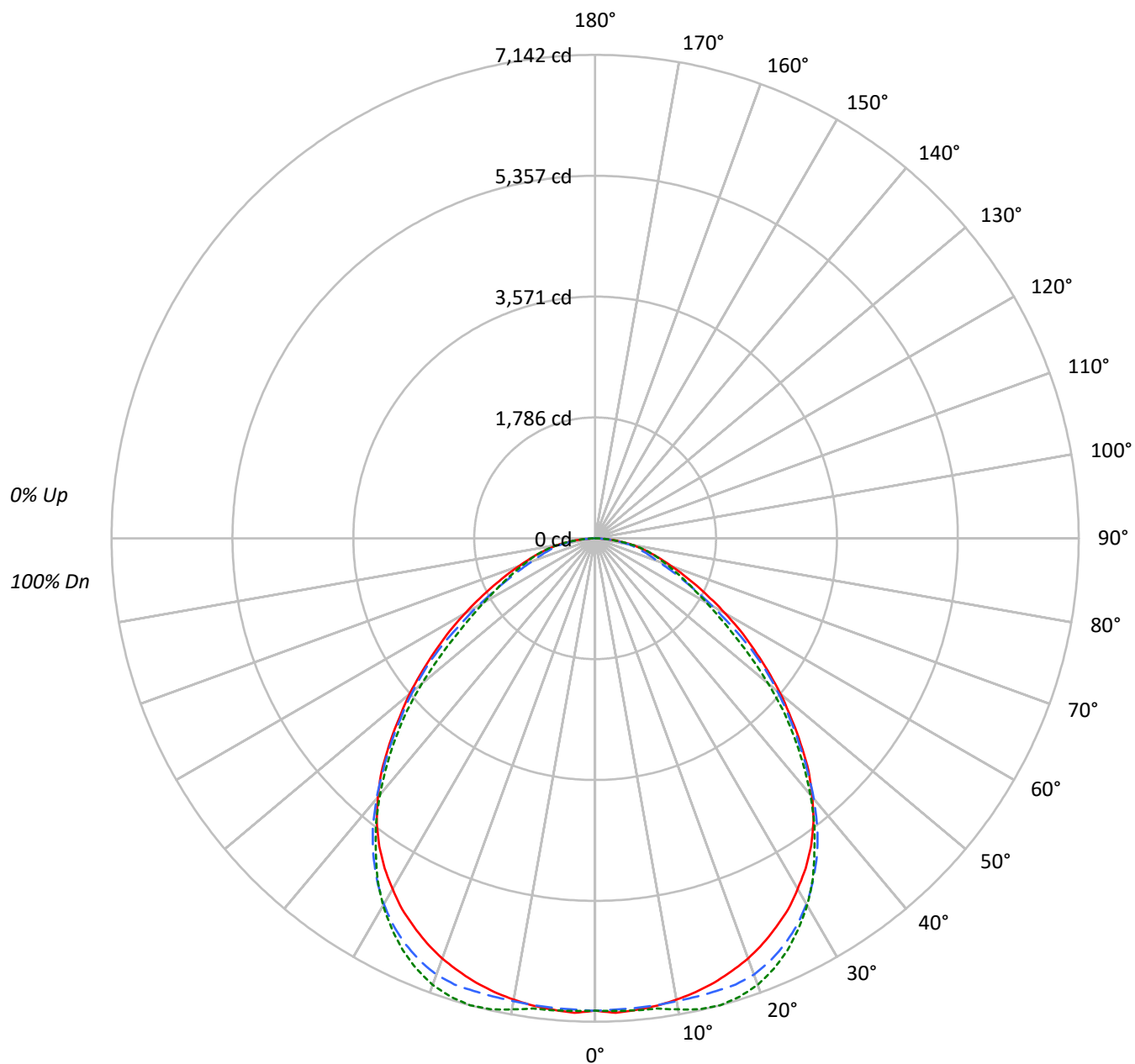
Input Watts (W): 114.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	11269	11269	11269
5°	11336	11289	11344
10°	11346	11384	11588
15°	11360	11574	11938
20°	11352	11785	12061
25°	11283	11796	11969
30°	11153	11640	11677
35°	10954	11263	11128
40°	10522	10587	10420
45°	9804	9701	9504
50°	8976	8832	8379
55°	8063	7764	7085
60°	7151	6424	6116
65°	6300	5337	5550
70°	5635	4632	5286
75°	5278	4503	5346
80°	5139	4553	5089
85°	4102	3603	3735



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	664.9	3.8
10°-20°	1958.5	11.3
20°-30°	3012.9	17.3
30°-40°	3516.2	20.2
40°-50°	3267.5	18.8
50°-60°	2422.0	13.9
60°-70°	1480.6	8.5
70°-80°	843.3	4.8
80°-90°	241.2	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°	5636.2	32.4
0°-40°	9152.4	52.6
0°-60°	14841.9	85.3
0°-90°	17407.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17407.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6980	6980	6980	6980	6980	
5°	6994	6962	6965	6960	7000	665
15°	6796	6792	6924	7061	7142	1918
25°	6333	6382	6621	6677	6719	2917
35°	5558	5601	5714	5667	5646	3463
45°	4294	4319	4249	4182	4162	3309
55°	2864	2792	2758	2562	2517	2570
65°	1649	1498	1397	1435	1453	1650
75°	846	794	722	823	857	905
85°	221	216	194	202	202	255
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6979.7	6979.7	6979.7	6979.7	6979.7
2.5°	7017.5	6977.9	6970.7	6954.5	6990.5
5°	6994.1	6961.7	6965.3	6959.9	6999.5
7.5°	6967.1	6943.7	6958.1	6956.3	7008.5
10°	6920.3	6907.7	6943.7	6983.3	7067.9
12.5°	6868.1	6855.5	6934.7	7035.5	7127.3
15°	6796.1	6792.4	6923.9	7060.7	7141.7
17.5°	6706.1	6711.5	6911.3	7028.3	7100.3
20°	6607.1	6616.0	6859.1	6954.5	7019.3
22.5°	6479.2	6509.9	6758.2	6837.5	6887.9
25°	6333.4	6382.0	6621.4	6677.3	6718.6
27.5°	6176.8	6225.4	6452.2	6481.0	6504.5
30°	5982.3	6050.7	6243.4	6247.0	6263.2
32.5°	5784.3	5845.5	5993.2	5976.9	5980.5
35°	5557.5	5600.7	5714.1	5667.3	5645.7
37.5°	5296.5	5319.8	5391.8	5321.7	5318.0
40°	4992.2	5022.8	5022.8	4925.6	4943.6
42.5°	4668.2	4678.9	4634.0	4542.1	4556.5
45°	4293.6	4318.9	4248.6	4182.1	4162.3
47.5°	3922.8	3948.0	3874.2	3796.8	3762.6
50°	3573.6	3560.9	3516.0	3384.5	3335.9
52.5°	3211.7	3172.1	3154.1	2961.5	2905.7
55°	2864.2	2792.3	2758.1	2561.8	2516.8
57.5°	2542.0	2412.4	2347.6	2194.6	2176.5
60°	2214.4	2068.5	1989.3	1890.3	1893.9
62.5°	1917.3	1764.2	1668.9	1640.1	1652.7
65°	1649.1	1497.8	1397.0	1434.8	1452.8
67.5°	1406.0	1281.8	1168.4	1256.6	1274.6
70°	1193.6	1094.6	981.2	1110.8	1119.8
72.5°	1017.1	936.2	840.7	963.1	982.9
75°	846.1	794.0	721.9	822.7	856.9
77.5°	696.7	655.3	613.9	675.1	712.9
80°	552.7	511.3	489.7	522.0	547.3
82.5°	390.7	363.7	342.1	365.4	378.1
85°	221.4	216.0	194.5	201.6	201.6
87.5°	50.4	57.6	64.8	59.4	50.4
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)