

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: P730505

Luminaire Tested: **HBLED-LD5-15SE-W-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730505
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-W-UNV-L835
Description: 15000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15317.0 lumens
Efficiency: N/A
Efficacy: 162.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

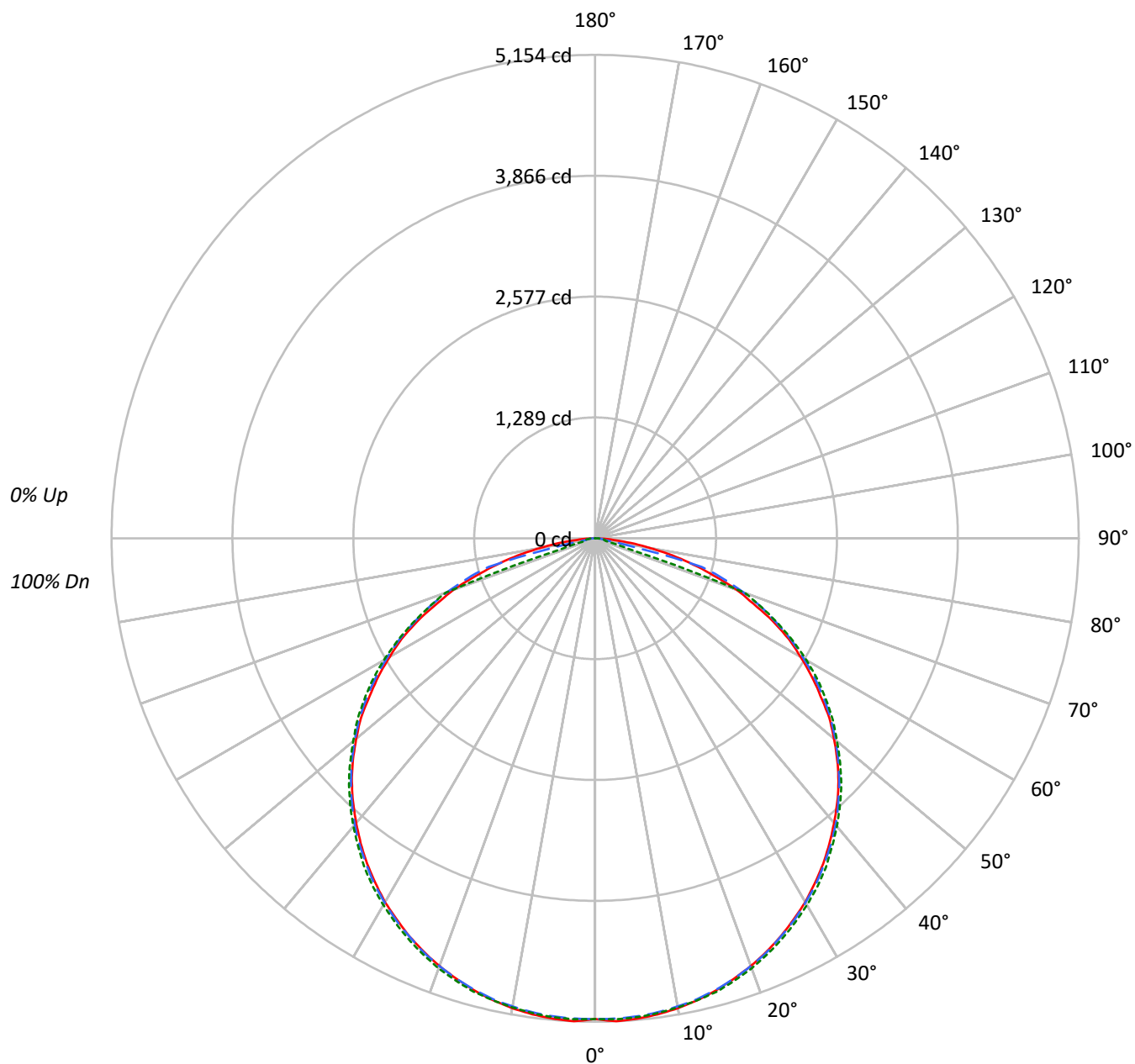
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8276	8276	8276
5°	8335	8292	8307
10°	8340	8310	8327
15°	8338	8327	8365
20°	8338	8340	8383
25°	8342	8346	8397
30°	8351	8362	8417
35°	8349	8377	8446
40°	8351	8404	8449
45°	8374	8405	8473
50°	8349	8398	8452
55°	8257	8373	8463
60°	8163	8296	8399
65°	7983	8149	8210
70°	7579	7902	7999
75°	6760	7329	883
80°	5436	913	966
85°	3616	1184	1206



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	486.8	3.2
10°-20°	1406.6	9.2
20°-30°	2161.2	14.1
30°-40°	2660.5	17.4
40°-50°	2836.4	18.5
50°-60°	2651.5	17.3
60°-70°	2099.0	13.7
70°-80°	893.0	5.8
80°-90°	121.9	0.8
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°	4054.7	26.5
0°-40°	6715.2	43.8
0°-60°	12203.1	79.7
0°-90°	15317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15317.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5126	5126	5126	5126	5126	
5°	5143	5120	5116	5096	5126	489
15°	4988	4979	4982	4968	5004	1409
25°	4682	4677	4685	4682	4713	2159
35°	4236	4229	4250	4265	4285	2651
45°	3667	3647	3681	3696	3711	2826
55°	2933	2942	2974	2985	3006	2627
65°	2090	2108	2133	2149	2149	2056
75°	1084	1130	1175	192	142	1146
85°	195	58	64	66	65	255
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5125.5	5125.5	5125.5	5125.5	5125.5
2.5°	5154.1	5130.1	5125.5	5105.0	5132.4
5°	5142.6	5119.8	5116.4	5095.8	5125.5
7.5°	5118.7	5100.4	5098.1	5076.4	5106.1
10°	5086.7	5069.6	5068.4	5049.0	5078.7
12.5°	5043.3	5028.5	5033.0	5013.6	5043.3
15°	4988.5	4979.4	4981.6	4967.9	5004.5
17.5°	4922.3	4917.7	4922.3	4912.0	4945.1
20°	4852.6	4846.9	4853.8	4848.1	4878.9
22.5°	4771.6	4764.7	4778.4	4770.4	4799.0
25°	4682.5	4676.8	4684.8	4682.5	4713.3
27.5°	4580.9	4575.2	4592.3	4593.4	4617.4
30°	4479.3	4471.3	4485.0	4490.7	4514.6
32.5°	4358.2	4355.9	4376.5	4381.1	4406.2
35°	4236.0	4229.2	4249.8	4264.6	4285.1
37.5°	4102.5	4101.3	4123.0	4135.6	4145.8
40°	3962.0	3956.3	3987.1	3999.7	4008.8
42.5°	3819.3	3806.7	3836.4	3852.4	3862.7
45°	3667.4	3646.9	3681.1	3696.0	3710.8
47.5°	3500.7	3482.5	3515.6	3531.6	3541.8
50°	3323.8	3306.6	3343.2	3356.9	3364.9
52.5°	3145.6	3128.5	3167.3	3178.8	3198.2
55°	2933.3	2942.4	2974.4	2984.6	3006.3
57.5°	2736.9	2744.9	2775.7	2788.3	2813.4
60°	2527.9	2540.5	2569.0	2581.6	2601.0
62.5°	2325.8	2327.0	2361.2	2366.9	2381.8
65°	2089.5	2107.7	2132.9	2148.9	2148.9
67.5°	1825.7	1870.3	1913.6	1910.2	1919.4
70°	1605.4	1622.5	1673.9	1681.9	1694.4
72.5°	1329.0	1373.6	1430.7	1068.7	363.1
75°	1083.6	1130.4	1174.9	191.8	141.6
77.5°	841.5	878.0	390.5	109.6	107.3
80°	584.6	642.8	98.2	100.5	103.9
82.5°	384.8	314.0	81.1	89.1	90.2
85°	195.2	58.2	63.9	66.2	65.1
87.5°	63.9	35.4	36.5	37.7	38.8
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)