

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: P730229

Luminaire Tested: **HBLED-LD5-12HE-N-CL-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730229
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23768)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12HE-N-CL-UNV-L835
Description: 12000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10935.0 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.63 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

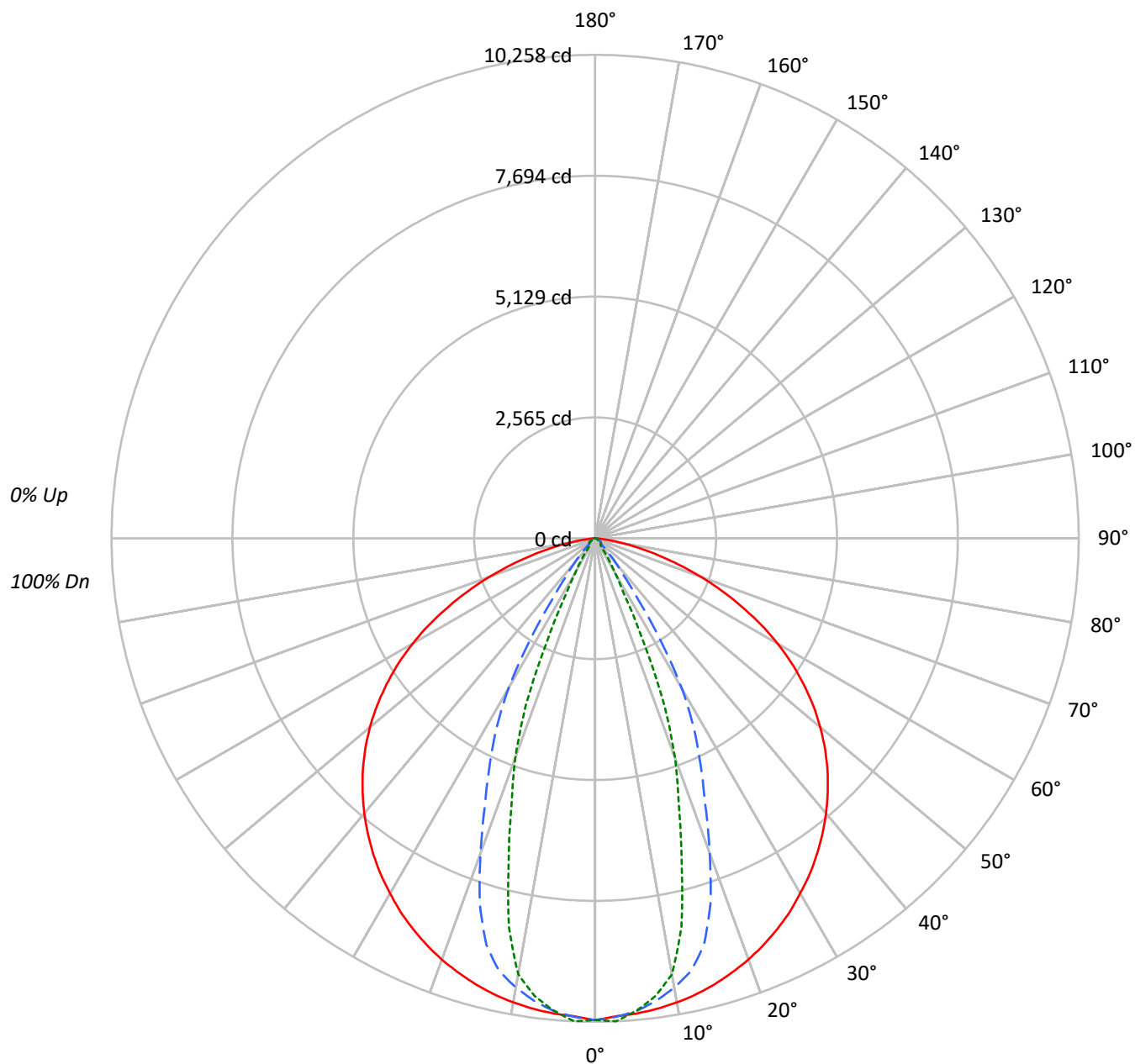
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	105	103	109	106	104	101	102	100	98		98	97	95		95
2	105	99	94	90	102	97	92	89	94	90	87		91	87	85		88
3	98	90	84	79	96	89	83	79	86	81	77		83	79	76		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	86	76	69	64	85	75	69	64	73	68	63		72	67	63		70
6	81	71	64	59	80	70	63	58	68	62	58		67	62	58		65
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54
10	65	54	48	43	64	54	47	43	53	47	43		52	47	43		51

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16508	16508	16508
5°	16407	16321	16309
10°	16396	15870	15402
15°	16377	14924	11842
20°	16345	12213	8494
25°	16294	9410	4317
30°	16217	6867	1571
35°	16159	3154	547
40°	16060	1431	377
45°	15917	534	382
50°	15663	388	402
55°	15199	408	306
60°	14444	436	270
65°	13099	332	220
70°	11231	239	203
75°	8584	212	193
80°	5371	200	209
85°	1697	233	282



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	951.9	8.7
10°-20°	2397.9	21.9
20°-30°	2611.4	23.9
30°-40°	1953.5	17.9
40°-50°	1404.6	12.8
50°-60°	862.6	7.9
60°-70°	496.4	4.5
70°-80°	221.5	2.0
80°-90°	35.1	0.3
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°	5961.2	54.5
0°-40°	7914.7	72.4
0°-60°	10181.9	93.1
0°-90°	10935.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10935.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10224	10224	10224	10224	10224	
5°	10123	10171	10070	10080	10063	963
15°	9798	9610	8928	7668	7085	2766
25°	9146	8490	5282	3389	2423	4216
35°	8198	5880	1600	470	277	5128
45°	6971	3304	234	173	167	5370
55°	5400	686	145	140	109	4814
65°	3429	75	87	72	58	3394
75°	1376	46	34	35	31	1493
85°	92	9	13	16	15	182
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10224.5	10224.5	10224.5	10224.5	10224.5
2.5°	10153.4	10219.8	10163.8	10214.0	10258.5
5°	10123.0	10170.6	10070.2	10079.6	10062.9
7.5°	10070.7	10082.2	9900.7	9830.5	9796.5
10°	10000.6	9969.7	9679.9	9513.0	9394.2
12.5°	9912.2	9810.1	9405.1	8809.2	8454.0
15°	9797.6	9609.7	8928.0	7667.6	7084.7
17.5°	9661.0	9400.5	8137.9	6390.4	5886.1
20°	9513.0	9169.2	7107.7	5433.5	4943.8
22.5°	9338.2	8873.6	6091.7	4518.9	3846.6
25°	9146.2	8490.1	5281.8	3388.8	2423.0
27.5°	8939.0	7984.1	4532.0	2078.2	1310.1
30°	8698.3	7368.3	3683.4	1166.2	842.4
32.5°	8463.4	6650.5	2631.2	776.9	538.4
35°	8198.1	5879.8	1600.0	470.4	277.3
37.5°	7917.1	5179.2	1001.4	255.8	191.5
40°	7619.5	4514.7	679.1	181.6	179.0
42.5°	7301.3	3913.6	425.3	172.6	178.4
45°	6970.7	3303.5	233.9	173.2	167.4
47.5°	6611.8	2641.2	163.3	163.8	163.3
50°	6235.6	1894.5	154.4	161.7	160.1
52.5°	5830.1	1176.2	154.9	158.0	141.8
55°	5399.5	686.4	144.9	140.2	108.8
57.5°	4946.9	428.0	141.8	115.6	97.8
60°	4472.9	226.0	135.0	104.1	83.7
62.5°	3968.0	111.5	108.3	88.9	68.6
65°	3428.6	75.4	86.9	72.2	57.5
67.5°	2907.5	68.0	65.4	59.1	50.2
70°	2379.0	62.2	50.7	51.8	42.9
72.5°	1860.5	56.5	40.8	44.5	36.1
75°	1376.0	45.5	34.0	35.0	30.9
77.5°	957.5	35.6	26.7	29.8	28.8
80°	577.6	22.5	21.5	24.6	22.5
82.5°	279.9	14.6	16.8	19.3	17.8
85°	91.6	8.9	12.6	16.2	15.2
87.5°	11.5	5.2	10.4	14.1	13.1
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)