

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: P731043

Luminaire Tested: **HBLED-LD5-36SE-W-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731043
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-LD5-36SE-W-UNV-L740
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38387.0 lumens
Efficiency: N/A
Efficacy: 168.7 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

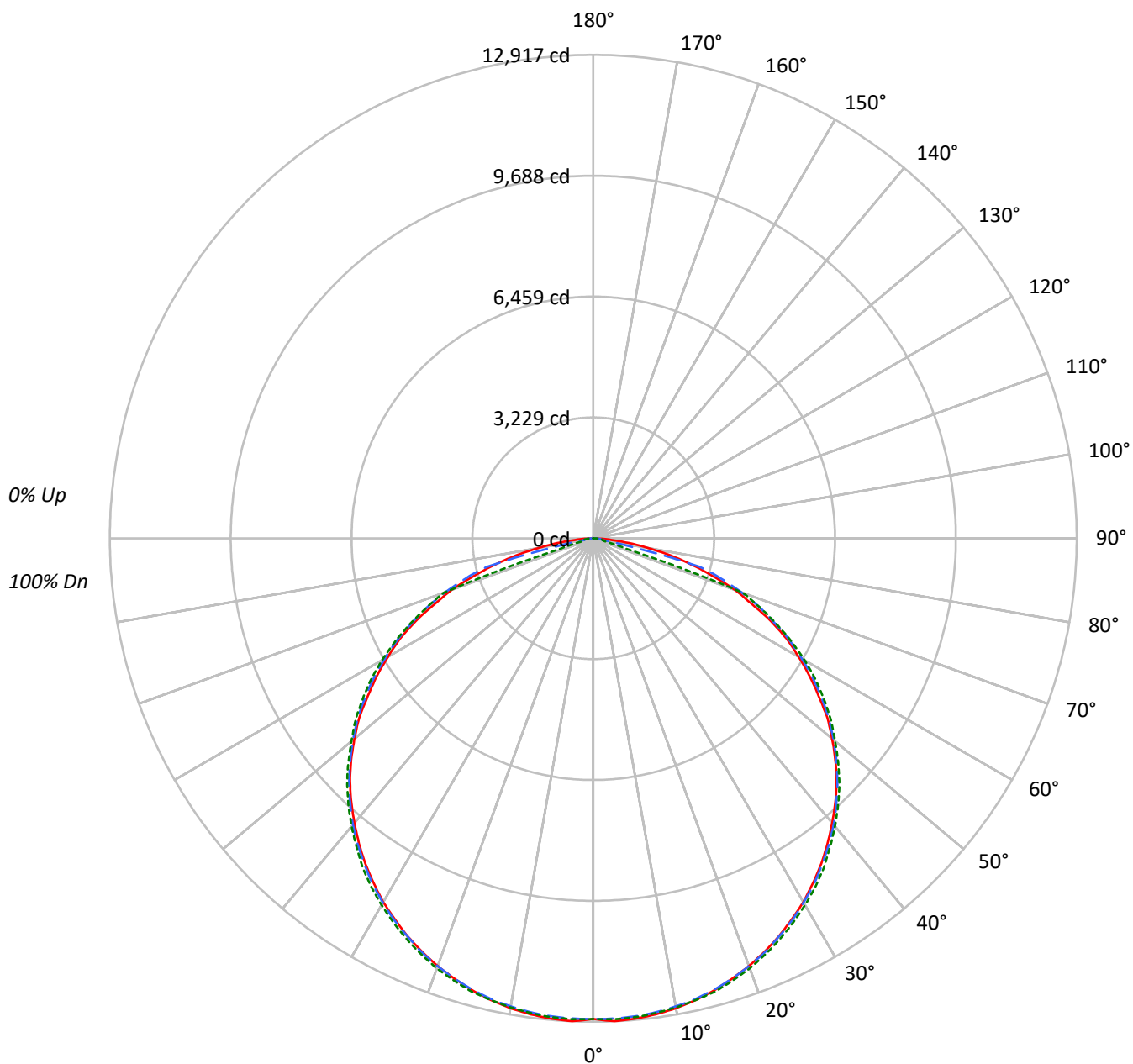
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	20740	20740	20740
5°	20889	20782	20819
10°	20900	20825	20868
15°	20898	20869	20965
20°	20896	20901	21009
25°	20906	20916	21044
30°	20929	20956	21094
35°	20925	20993	21168
40°	20928	21061	21176
45°	20987	21065	21235
50°	20923	21046	21182
55°	20694	20983	21209
60°	20458	20791	21050
65°	20006	20421	20575
70°	18993	19803	20047
75°	16941	18369	2213
80°	13623	2288	2421
85°	9064	2968	3021



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1220.0	3.2
10°-20°	3525.3	9.2
20°-30°	5416.4	14.1
30°-40°	6667.7	17.4
40°-50°	7108.5	18.5
50°-60°	6645.0	17.3
60°-70°	5260.4	13.7
70°-80°	2238.0	5.8
80°-90°	305.6	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°	10161.7	26.5
0°-40°	16829.4	43.8
0°-60°	30583.0	79.7
0°-90°	38387.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	38387.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12845	12845	12845	12845	12845	
5°	12888	12831	12822	12771	12845	###
15°	12502	12479	12485	12450	12542	3530
25°	11735	11721	11741	11735	11812	5411
35°	10616	10599	10651	10688	10739	6643
45°	9191	9140	9226	9263	9300	7082
55°	7351	7374	7454	7480	7534	6583
65°	5237	5282	5345	5385	5385	5152
75°	2716	2833	2944	481	355	2873
85°	489	146	160	166	163	638
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12845.4	12845.4	12845.4	12845.4	12845.4
2.5°	12916.9	12856.8	12845.4	12793.9	12862.6
5°	12888.3	12831.1	12822.5	12771.0	12845.4
7.5°	12828.2	12782.4	12776.7	12722.3	12796.7
10°	12748.1	12705.2	12702.3	12653.7	12728.1
12.5°	12639.4	12602.2	12613.6	12565.0	12639.4
15°	12502.0	12479.1	12484.8	12450.5	12542.1
17.5°	12336.0	12324.6	12336.0	12310.3	12393.3
20°	12161.5	12147.2	12164.3	12150.0	12227.3
22.5°	11958.3	11941.1	11975.5	11955.5	12027.0
25°	11735.1	11720.8	11740.8	11735.1	11812.4
27.5°	11480.4	11466.1	11509.1	11511.9	11572.0
30°	11225.8	11205.7	11240.1	11254.4	11314.5
32.5°	10922.4	10916.7	10968.2	10979.7	11042.6
35°	10616.3	10599.1	10650.6	10687.8	10739.3
37.5°	10281.5	10278.6	10333.0	10364.4	10390.2
40°	9929.5	9915.2	9992.4	10023.9	10046.8
42.5°	9571.8	9540.3	9614.7	9654.8	9680.5
45°	9191.2	9139.7	9225.6	9262.8	9300.0
47.5°	8773.4	8727.7	8810.6	8850.7	8876.5
50°	8329.9	8287.0	8378.5	8412.9	8432.9
52.5°	7883.5	7840.6	7937.9	7966.5	8015.1
55°	7351.3	7374.2	7454.3	7480.0	7534.4
57.5°	6859.1	6879.1	6956.4	6987.8	7050.8
60°	6335.4	6366.9	6438.4	6469.9	6518.6
62.5°	5828.9	5831.8	5917.6	5931.9	5969.1
65°	5236.6	5282.4	5345.3	5385.4	5385.4
67.5°	4575.6	4687.2	4795.9	4787.3	4810.2
70°	4023.3	4066.2	4195.0	4215.0	4246.5
72.5°	3330.8	3442.4	3585.5	2678.4	910.0
75°	2715.6	2832.9	2944.5	480.7	354.8
77.5°	2108.9	2200.5	978.6	274.7	269.0
80°	1465.1	1611.0	246.1	251.8	260.4
82.5°	964.3	786.9	203.2	223.2	226.1
85°	489.3	145.9	160.2	166.0	163.1
87.5°	160.2	88.7	91.6	94.4	97.3
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)