

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: P731042

Luminaire Tested: **HBLED-LD5-36SE-W-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731042
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-L735
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37258.0 lumens
Efficiency: N/A
Efficacy: 163.8 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

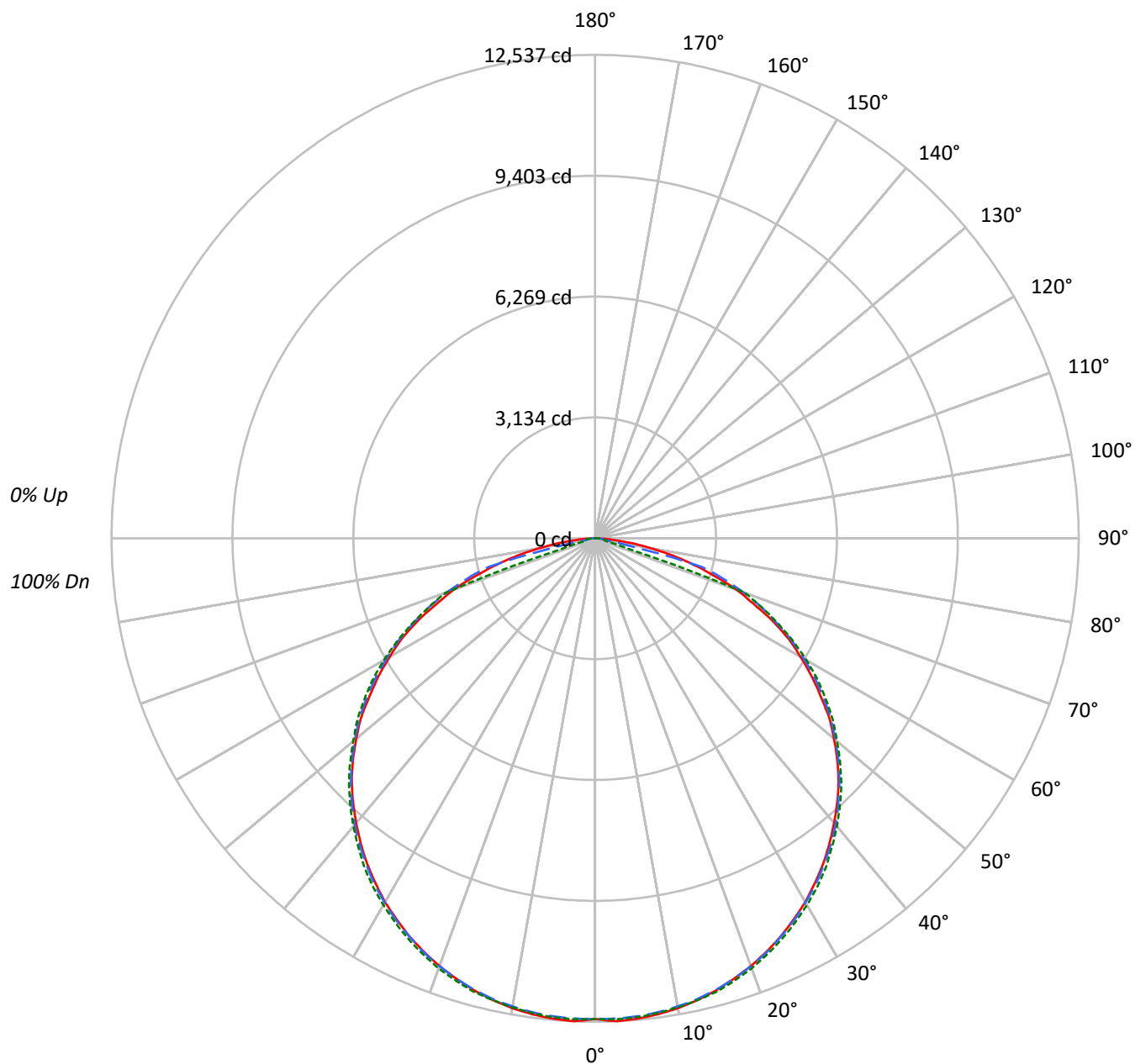
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	20130	20130	20130
5°	20275	20171	20207
10°	20286	20213	20254
15°	20283	20255	20348
20°	20281	20286	20391
25°	20291	20301	20425
30°	20313	20339	20474
35°	20310	20376	20545
40°	20313	20442	20553
45°	20370	20446	20611
50°	20308	20427	20559
55°	20085	20366	20585
60°	19857	20179	20430
65°	19418	19821	19969
70°	18434	19221	19457
75°	16442	17828	2148
80°	13222	2221	2350
85°	8798	2881	2933



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1184.2	3.2
10°-20°	3421.6	9.2
20°-30°	5257.1	14.1
30°-40°	6471.7	17.4
40°-50°	6899.4	18.5
50°-60°	6449.6	17.3
60°-70°	5105.7	13.7
70°-80°	2172.2	5.8
80°-90°	296.6	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°	9862.8	26.5
0°-40°	16334.5	43.8
0°-60°	29683.5	79.7
0°-90°	37258.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	37258.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12468	12468	12468	12468	12468	
5°	12509	12454	12445	12395	12468	###
15°	12134	12112	12118	12084	12173	3426
25°	11390	11376	11396	11390	11465	5251
35°	10304	10287	10337	10374	10424	6447
45°	8921	8871	8954	8990	9026	6874
55°	7135	7157	7235	7260	7313	6389
65°	5083	5127	5188	5227	5227	5000
75°	2636	2750	2858	467	344	2788
85°	475	142	156	161	158	619
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12467.6	12467.6	12467.6	12467.6	12467.6
2.5°	12537.0	12478.7	12467.6	12417.6	12484.3
5°	12509.3	12453.7	12445.4	12395.4	12467.6
7.5°	12450.9	12406.5	12400.9	12348.2	12420.4
10°	12373.2	12331.5	12328.7	12281.5	12353.7
12.5°	12267.6	12231.5	12242.6	12195.4	12267.6
15°	12134.3	12112.1	12117.6	12084.3	12173.2
17.5°	11973.2	11962.1	11973.2	11948.2	12028.8
20°	11803.8	11789.9	11806.6	11792.7	11867.7
22.5°	11606.6	11589.9	11623.3	11603.8	11673.3
25°	11390.0	11376.1	11395.5	11390.0	11465.0
27.5°	11142.8	11128.9	11170.6	11173.3	11231.7
30°	10895.6	10876.2	10909.5	10923.4	10981.7
32.5°	10601.2	10595.6	10645.6	10656.8	10717.9
35°	10304.0	10287.4	10337.4	10373.5	10423.5
37.5°	9979.1	9976.3	10029.1	10059.6	10084.6
40°	9637.5	9623.6	9698.6	9729.1	9751.3
42.5°	9290.3	9259.7	9331.9	9370.8	9395.8
45°	8920.9	8870.9	8954.2	8990.3	9026.4
47.5°	8515.4	8471.0	8551.5	8590.4	8615.4
50°	8084.9	8043.2	8132.1	8165.5	8184.9
52.5°	7651.6	7610.0	7704.4	7732.2	7779.4
55°	7135.1	7157.3	7235.0	7260.0	7312.8
57.5°	6657.3	6676.8	6751.8	6782.3	6843.4
60°	6149.1	6179.6	6249.1	6279.6	6326.8
62.5°	5657.5	5660.3	5743.6	5757.5	5793.6
65°	5082.6	5127.0	5188.1	5227.0	5227.0
67.5°	4441.0	4549.3	4654.9	4646.5	4668.8
70°	3905.0	3946.6	4071.6	4091.1	4121.6
72.5°	3232.9	3341.2	3480.0	2599.6	883.2
75°	2635.7	2749.6	2857.9	466.6	344.4
77.5°	2046.9	2135.8	949.9	266.6	261.1
80°	1422.0	1563.7	238.9	244.4	252.7
82.5°	936.0	763.8	197.2	216.6	219.4
85°	474.9	141.6	155.5	161.1	158.3
87.5°	155.5	86.1	88.9	91.7	94.4
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)