

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: P731031

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731031
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-W-CLI-UNV-L740
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35661.0 lumens
Efficiency: N/A
Efficacy: 156.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

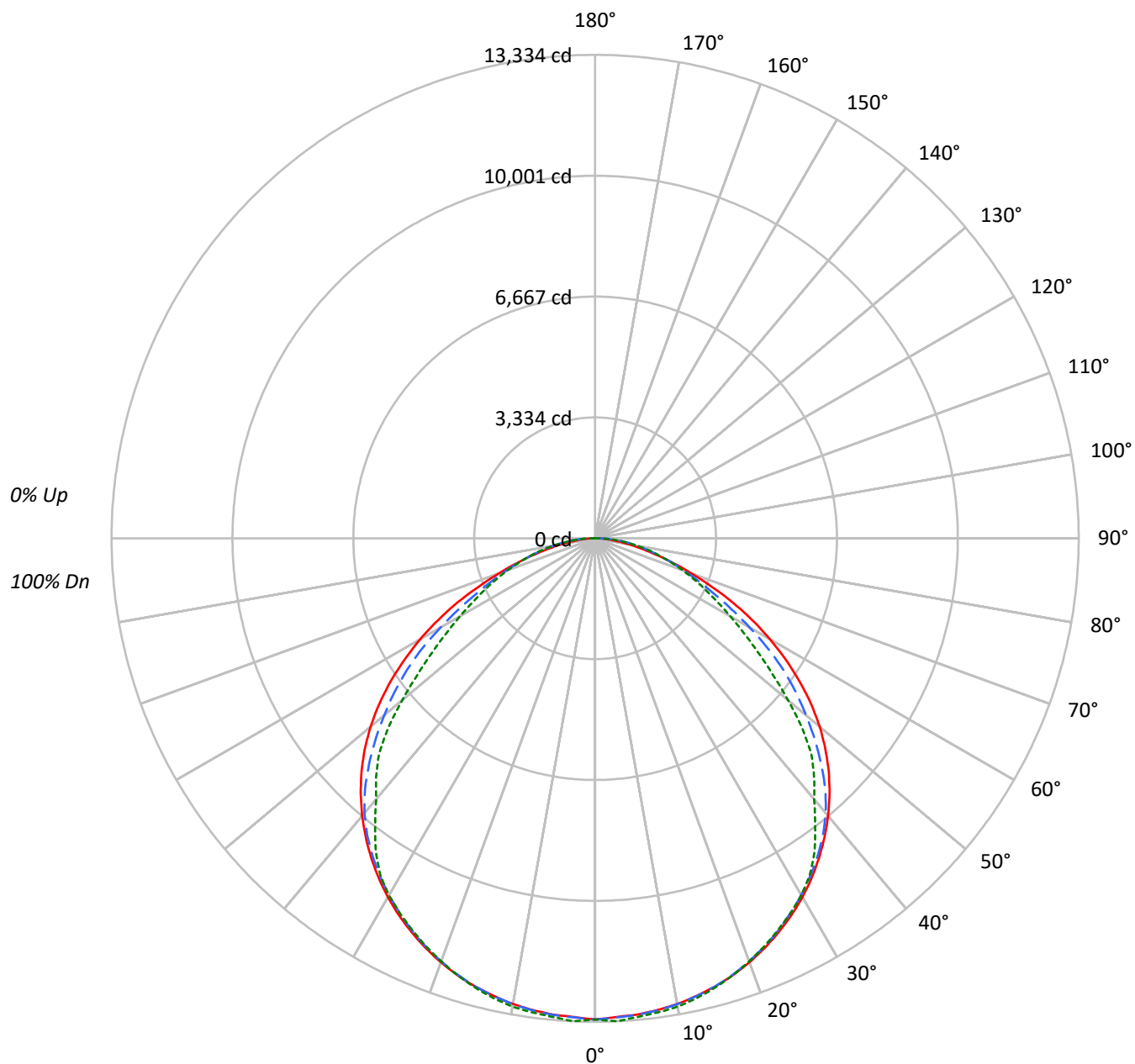
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21431	21431	21431
5°	21373	21389	21484
10°	21385	21396	21508
15°	21388	21385	21436
20°	21383	21333	21339
25°	21350	21270	21245
30°	21315	21187	21199
35°	21215	21084	20785
40°	21064	20849	19798
45°	20797	20131	19250
50°	20297	19060	17435
55°	19372	17825	15417
60°	17978	15904	13903
65°	15980	13770	12784
70°	13261	12306	12050
75°	10725	11263	11402
80°	8520	10772	10727
85°	6669	11571	11039



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1258.8	3.5
10°-20°	3620.7	10.2
20°-30°	5521.0	15.5
30°-40°	6679.5	18.7
40°-50°	6765.8	19.0
50°-60°	5592.1	15.7
60°-70°	3693.5	10.4
70°-80°	1925.9	5.4
80°-90°	603.8	1.7
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°	10400.4	29.2
0°-40°	17080.0	47.9
0°-60°	29437.9	82.5
0°-90°	35661.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35661.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13273	13273	13273	13273	13273	
5°	13187	13267	13197	13254	13256	###
15°	12795	12860	12794	12834	12824	3613
25°	11984	12032	11940	11970	11925	5526
35°	10764	10778	10697	10682	10545	6732
45°	9108	9084	8816	8542	8431	7013
55°	6882	6780	6332	5717	5477	6134
65°	4183	4062	3604	3370	3346	4131
75°	1719	1750	1805	1829	1828	1873
85°	360	464	625	620	596	437
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13273.1	13273.1	13273.1	13273.1	13273.1
2.5°	13217.5	13295.5	13230.1	13287.5	13333.7
5°	13187.1	13266.9	13196.7	13254.1	13255.7
7.5°	13128.3	13207.9	13136.1	13193.5	13191.9
10°	13043.7	13118.7	13050.1	13118.7	13118.7
12.5°	12929.1	13002.3	12935.5	12999.1	12989.5
15°	12795.3	12860.5	12793.7	12833.5	12823.9
17.5°	12637.5	12696.5	12621.5	12654.9	12635.9
20°	12444.7	12498.9	12416.0	12459.0	12419.1
22.5°	12227.9	12278.9	12194.4	12226.4	12181.7
25°	11984.2	12032.0	11939.6	11969.8	11925.2
27.5°	11721.2	11764.2	11660.6	11697.4	11662.2
30°	11432.8	11453.6	11364.4	11412.2	11370.7
32.5°	11110.9	11123.7	11045.6	11088.6	11018.5
35°	10763.5	10777.9	10696.7	10682.3	10545.3
37.5°	10392.3	10398.7	10322.3	10193.1	9966.9
40°	9994.0	9990.8	9892.0	9594.0	9393.2
42.5°	9568.4	9567.0	9393.2	9053.8	8939.2
45°	9108.0	9084.2	8816.4	8542.3	8430.7
47.5°	8614.1	8588.5	8214.1	7995.9	7742.5
50°	8080.3	8035.7	7587.9	7289.8	6941.0
52.5°	7505.0	7436.4	6980.8	6499.6	6169.7
55°	6882.0	6780.0	6332.3	5717.3	5476.7
57.5°	6233.5	6082.1	5647.1	5048.0	4852.0
60°	5567.5	5398.5	4925.2	4433.0	4305.4
62.5°	4882.2	4715.0	4232.2	3860.9	3790.7
65°	4182.8	4061.6	3604.3	3370.1	3346.3
67.5°	3465.7	3422.7	3073.7	2954.2	2944.7
70°	2809.2	2801.2	2606.8	2546.2	2552.6
72.5°	2245.2	2235.6	2207.0	2176.6	2178.2
75°	1719.3	1749.6	1805.4	1829.2	1827.7
77.5°	1282.7	1344.9	1462.7	1510.5	1502.5
80°	916.3	1008.7	1158.5	1203.1	1153.7
82.5°	610.3	707.5	884.3	890.7	850.9
85°	360.0	463.6	624.6	619.9	595.9
87.5°	178.4	278.8	374.4	358.4	342.6
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)