

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: P731025

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731025
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-W-CL-WG-UNV-L740
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34049.0 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

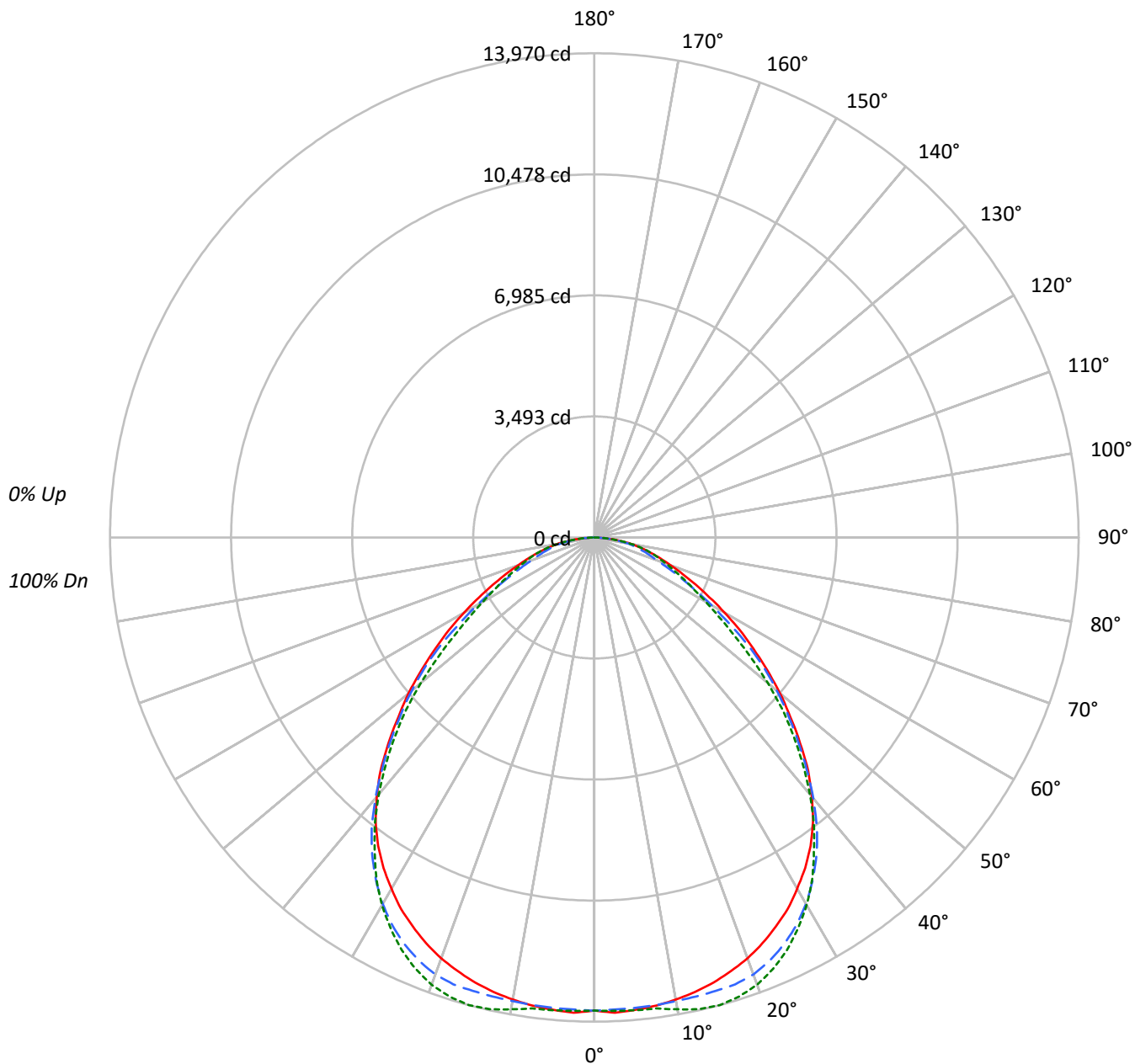
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22043	22043	22043
5°	22173	22082	22191
10°	22193	22268	22666
15°	22221	22639	23351
20°	22206	23053	23591
25°	22070	23074	23412
30°	21816	22768	22841
35°	21427	22030	21767
40°	20581	20708	20381
45°	19177	18976	18590
50°	17558	17275	16391
55°	15771	15186	13858
60°	13987	12565	11962
65°	12324	10440	10857
70°	11022	9060	10340
75°	10325	8809	10457
80°	10051	8906	9954
85°	8023	7047	7306



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1300.6	3.8
10°-20°	3830.9	11.3
20°-30°	5893.3	17.3
30°-40°	6877.8	20.2
40°-50°	6391.4	18.8
50°-60°	4737.5	13.9
60°-70°	2896.1	8.5
70°-80°	1649.6	4.8
80°-90°	471.8	1.4
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°	11024.8	32.4
0°-40°	17902.6	52.6
0°-60°	29031.5	85.3
0°-90°	34049.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34049.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13653	13653	13653	13653	13653	
5°	13681	13617	13624	13614	13692	###
15°	13294	13286	13544	13811	13970	3752
25°	12388	12484	12952	13061	13142	5707
35°	10871	10955	11177	11086	11043	6773
45°	8399	8448	8311	8180	8142	6472
55°	5603	5462	5395	5011	4923	5028
65°	3226	2930	2733	2807	2842	3228
75°	1655	1553	1412	1609	1676	1771
85°	433	422	380	394	394	499
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13652.7	13652.7	13652.7	13652.7	13652.7
2.5°	13726.6	13649.1	13635.0	13603.4	13673.7
5°	13680.9	13617.4	13624.4	13614.0	13691.5
7.5°	13628.0	13582.3	13610.4	13606.8	13709.0
10°	13536.5	13511.8	13582.3	13659.7	13825.2
12.5°	13434.3	13409.7	13564.7	13761.8	13941.5
15°	13293.5	13286.4	13543.5	13811.1	13969.6
17.5°	13117.4	13128.0	13518.8	13747.8	13888.6
20°	12923.7	12941.3	13416.7	13603.4	13730.2
22.5°	12673.7	12733.6	13219.5	13374.4	13473.0
25°	12388.4	12483.5	12951.9	13061.1	13142.0
27.5°	12082.1	12177.2	12620.8	12677.2	12723.1
30°	11701.8	11835.5	12212.3	12219.5	12251.1
32.5°	11314.4	11434.2	11722.9	11691.2	11698.2
35°	10870.7	10955.2	11177.0	11085.6	11043.2
37.5°	10360.1	10405.9	10546.7	10409.5	10402.3
40°	9764.9	9824.8	9824.8	9634.7	9669.9
42.5°	9131.2	9152.2	9064.3	8884.6	8912.8
45°	8398.6	8447.9	8310.6	8180.3	8141.6
47.5°	7673.2	7722.5	7578.1	7426.8	7359.9
50°	6990.1	6965.4	6877.5	6620.3	6525.3
52.5°	6282.3	6204.8	6169.6	5792.9	5683.6
55°	5602.6	5461.8	5394.9	5011.0	4922.9
57.5°	4972.2	4718.8	4592.0	4292.7	4257.4
60°	4331.5	4046.1	3891.2	3697.5	3704.5
62.5°	3750.4	3450.9	3264.4	3208.1	3232.7
65°	3225.7	2929.8	2732.7	2806.6	2841.7
67.5°	2750.3	2507.3	2285.4	2458.0	2493.1
70°	2334.8	2141.1	1919.2	2172.8	2190.4
72.5°	1989.5	1831.2	1644.5	1883.9	1922.7
75°	1655.1	1553.0	1412.1	1609.3	1676.2
77.5°	1362.8	1281.9	1200.8	1320.6	1394.5
80°	1081.0	1000.1	957.8	1021.1	1070.5
82.5°	764.1	711.4	669.1	714.8	739.6
85°	433.1	422.5	380.4	394.4	394.4
87.5°	98.6	112.6	126.8	116.2	98.6
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)