

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: P730960

Luminaire Tested: **HBLED-LD5-36HE-W-AI-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730960
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36HE-W-AI-UNV-L750
Description: 36000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34226.0 lumens
Efficiency: N/A
Efficacy: 163.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

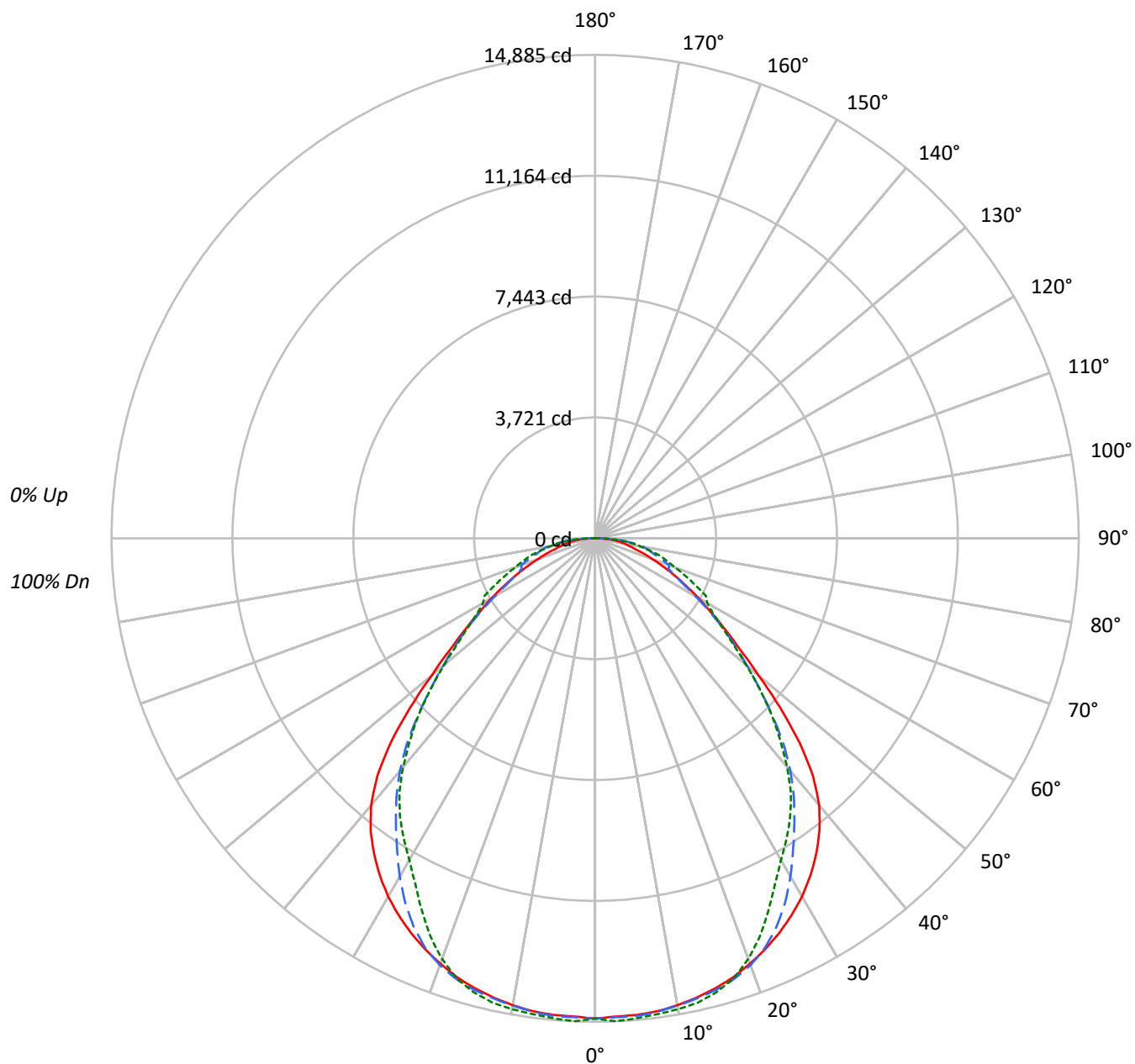
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	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	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43		
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23874	23874	23874
5°	23873	23925	24042
10°	23932	23963	24138
15°	23969	24059	24176
20°	23945	24034	23678
25°	23884	23527	22503
30°	23744	22417	21324
35°	23386	21069	20630
40°	22604	19700	19375
45°	20317	17591	17526
50°	16478	15322	15217
55°	13683	13428	13424
60°	11847	11501	12858
65°	10267	10203	12960
70°	8853	11445	12354
75°	7939	11730	12880
80°	8252	13809	12921
85°	9366	15913	14765



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1407.9	4.1
10°-20°	4066.1	11.9
20°-30°	6039.0	17.6
30°-40°	6855.9	20.0
40°-50°	6128.9	17.9
50°-60°	4237.6	12.4
60°-70°	2796.2	8.2
70°-80°	1886.5	5.5
80°-90°	808.0	2.4
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°	11513.0	33.6
0°-40°	18368.9	53.7
0°-60°	28735.4	84.0
0°-90°	34226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34226.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14787	14787	14787	14787	14787	
5°	14730	14820	14762	14822	14834	###
15°	14340	14408	14393	14474	14464	4048
25°	13407	13534	13206	12813	12632	6178
35°	11865	11615	10689	10534	10467	7399
45°	8898	8144	7704	7763	7676	6767
55°	4861	4437	4770	4703	4769	4415
65°	2688	2386	2671	3123	3392	2682
75°	1273	1601	1880	2009	2065	1390
85°	506	703	859	864	797	527
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14786.7	14786.7	14786.7	14786.7	14786.7
2.5°	14736.5	14828.6	14759.9	14823.6	14885.4
5°	14729.7	14820.2	14761.5	14821.8	14833.6
7.5°	14687.9	14771.5	14702.9	14761.5	14774.9
10°	14597.4	14696.3	14615.8	14706.3	14723.1
12.5°	14480.3	14580.8	14510.3	14634.2	14641.0
15°	14339.6	14408.3	14393.2	14473.5	14463.5
17.5°	14162.1	14240.9	14229.1	14249.1	14202.3
20°	13936.1	14024.8	13987.9	13895.9	13780.4
22.5°	13693.3	13800.4	13654.9	13422.1	13259.6
25°	13406.9	13534.2	13206.1	12812.6	12631.7
27.5°	13090.5	13204.3	12658.5	12176.3	11988.8
30°	12735.6	12784.0	12023.8	11565.1	11437.8
32.5°	12325.3	12255.0	11345.7	11042.7	10969.0
35°	11864.9	11615.3	10689.4	10533.7	10466.6
37.5°	11345.7	10888.7	10041.5	9969.4	9899.0
40°	10724.6	10049.7	9346.6	9299.7	9192.5
42.5°	9922.6	9137.2	8574.6	8519.3	8423.9
45°	8897.8	8144.3	7703.9	7762.6	7675.5
47.5°	7718.9	7148.1	6868.5	7029.2	6868.5
50°	6560.2	6176.9	6099.9	6245.6	6058.0
52.5°	5610.9	5266.0	5425.1	5450.2	5338.1
55°	4860.7	4437.2	4770.4	4703.4	4768.7
57.5°	4207.8	3733.9	4144.2	4067.1	4291.5
60°	3668.6	3136.2	3561.5	3544.7	3981.7
62.5°	3139.6	2714.3	3055.8	3301.9	3839.4
65°	2687.5	2386.0	2670.7	3122.8	3392.4
67.5°	2253.7	2139.9	2442.9	2694.1	2988.9
70°	1875.3	1933.9	2424.5	2377.6	2617.0
72.5°	1557.2	1756.5	2139.9	2148.3	2317.4
75°	1272.6	1600.8	1880.4	2009.3	2064.6
77.5°	1058.2	1451.7	1697.9	1743.1	1689.5
80°	887.5	1279.2	1485.2	1465.1	1389.7
82.5°	716.6	969.5	1170.5	1188.9	1100.1
85°	505.6	703.3	859.0	864.0	797.0
87.5°	271.2	433.7	520.8	535.8	495.6
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)