

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: P730959

Luminaire Tested: **HBLED-LD5-36HE-W-AI-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730959
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-L740
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: 33422.0 lumens
Efficiency: N/A
Efficacy: 159.2 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

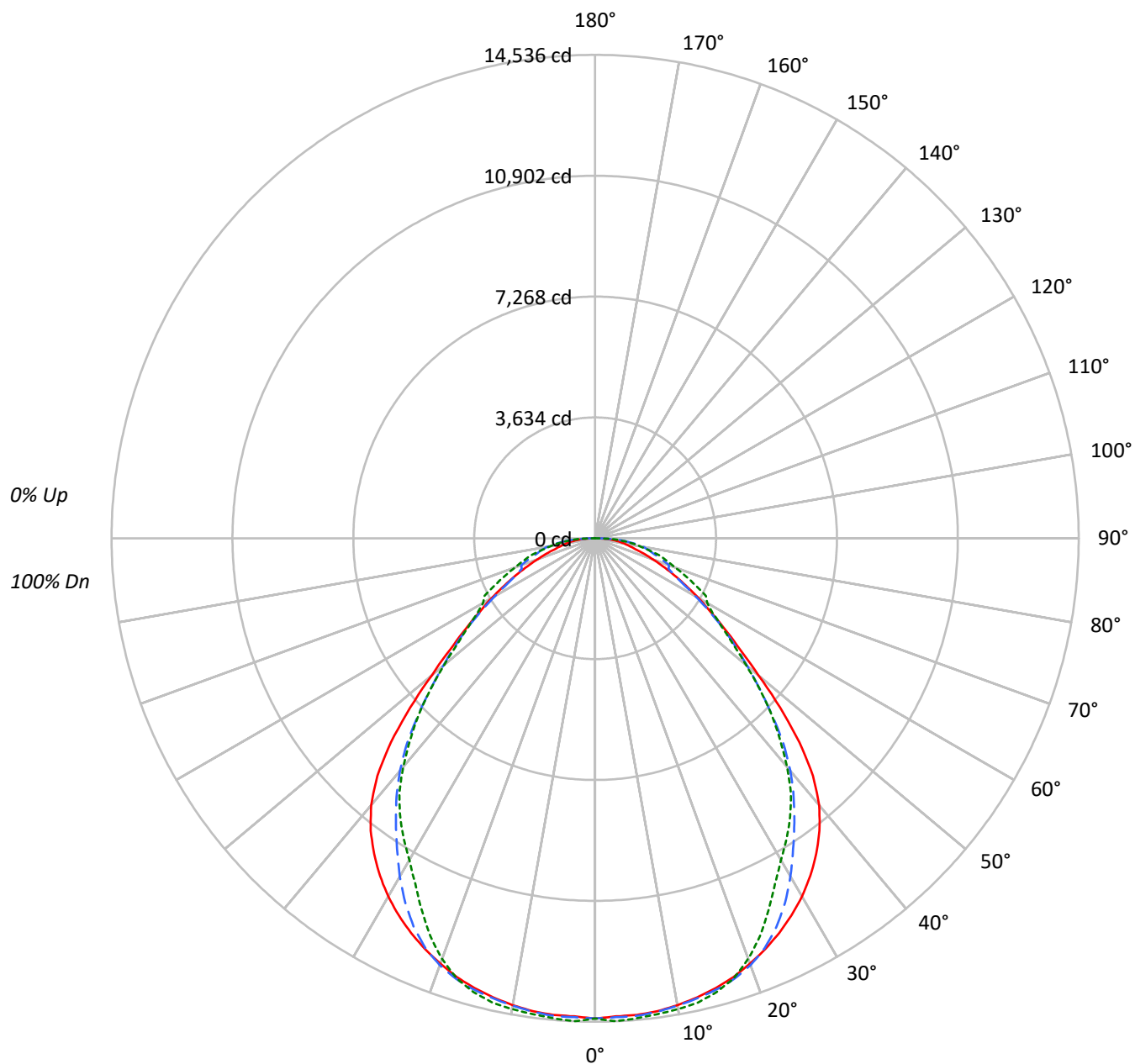
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	23314	23314	23314
5°	23312	23363	23477
10°	23370	23400	23571
15°	23406	23494	23608
20°	23383	23470	23121
25°	23323	22974	21975
30°	23186	21890	20823
35°	22837	20574	20146
40°	22073	19237	18920
45°	19840	17178	17114
50°	16091	14962	14859
55°	13361	13113	13108
60°	11568	11231	12555
65°	10026	9963	12656
70°	8645	11176	12064
75°	7752	11455	12577
80°	8058	13485	12617
85°	9146	15541	14418



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1374.8	4.1
10°-20°	3970.6	11.9
20°-30°	5897.1	17.6
30°-40°	6694.9	20.0
40°-50°	5985.0	17.9
50°-60°	4138.0	12.4
60°-70°	2730.5	8.2
70°-80°	1842.1	5.5
80°-90°	789.0	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°	11242.5	33.6
0°-40°	17937.4	53.7
0°-60°	28060.4	84.0
0°-90°	33422.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	33422.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14439	14439	14439	14439	14439	
5°	14384	14472	14415	14474	14485	###
15°	14003	14070	14055	14134	14124	3953
25°	13092	13216	12896	12512	12335	6032
35°	11586	11342	10438	10286	10221	7225
45°	8689	7953	7523	7580	7495	6608
55°	4747	4333	4658	4593	4657	4311
65°	2624	2330	2608	3049	3313	2619
75°	1243	1563	1836	1962	2016	1357
85°	494	687	839	844	778	515
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14439.4	14439.4	14439.4	14439.4	14439.4
2.5°	14390.3	14480.2	14413.2	14475.3	14535.8
5°	14383.7	14472.0	14414.8	14473.6	14485.1
7.5°	14342.8	14424.5	14357.5	14414.8	14427.9
10°	14254.5	14351.0	14272.5	14360.8	14377.2
12.5°	14140.1	14238.3	14169.5	14290.5	14297.1
15°	14002.8	14069.8	14055.1	14133.5	14123.7
17.5°	13829.4	13906.4	13894.9	13914.4	13868.7
20°	13608.7	13695.3	13659.4	13569.4	13456.7
22.5°	13371.6	13476.2	13334.1	13106.8	12948.1
25°	13092.0	13216.3	12895.9	12511.6	12335.0
27.5°	12782.9	12894.2	12361.1	11890.3	11707.2
30°	12436.4	12483.7	11741.4	11293.4	11169.1
32.5°	12035.7	11967.1	11079.2	10783.3	10711.3
35°	11586.2	11342.5	10438.3	10286.2	10220.8
37.5°	11079.2	10632.9	9805.6	9735.2	9666.5
40°	10472.7	9813.6	9127.0	9081.3	8976.5
42.5°	9689.5	8922.6	8373.2	8319.2	8226.0
45°	8688.8	7952.9	7522.9	7580.2	7495.2
47.5°	7537.6	6980.2	6707.1	6864.1	6707.1
50°	6406.1	6031.8	5956.6	6098.9	5915.7
52.5°	5479.1	5142.3	5297.7	5322.2	5212.7
55°	4746.6	4333.0	4658.4	4592.9	4656.6
57.5°	4109.0	3646.2	4046.8	3971.6	4190.7
60°	3582.4	3062.5	3477.9	3461.5	3888.1
62.5°	3065.8	2650.5	2984.0	3224.4	3749.2
65°	2624.3	2330.0	2607.9	3049.4	3312.7
67.5°	2200.8	2089.6	2385.5	2630.8	2918.7
70°	1831.2	1888.5	2367.5	2321.8	2555.5
72.5°	1520.6	1715.3	2089.6	2097.8	2262.9
75°	1242.7	1563.2	1836.3	1962.1	2016.1
77.5°	1033.4	1417.6	1658.0	1702.2	1649.8
80°	866.6	1249.1	1450.3	1430.7	1357.0
82.5°	699.7	946.8	1143.0	1161.0	1074.2
85°	493.7	686.8	838.9	843.8	778.3
87.5°	264.8	423.5	508.6	523.2	483.9
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)