

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: P730977

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730977
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-LD5-36HE-W-UNV-L740
Description: 36000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37893.0 lumens
Efficiency: N/A
Efficacy: 180.4 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

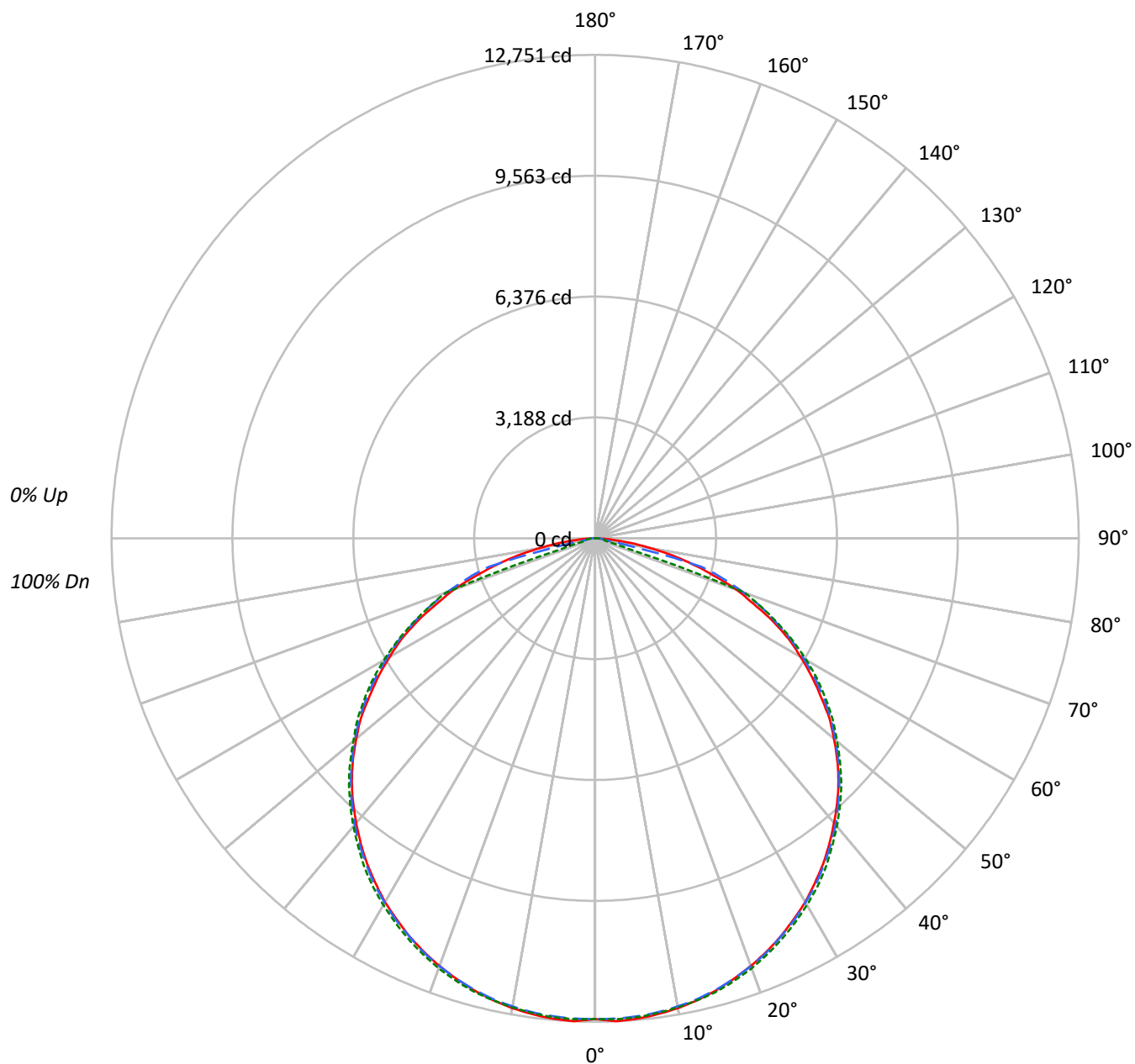
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730977

CATALOG NUMBER: HBLED-LD5-36HE-W-UNV-L740

Luminous Intensity Polar Plot





TEST NUMBER: P730977

CATALOG NUMBER: HBLED-LD5-36HE-W-UNV-L740

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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°	20473	20473	20473
5°	20620	20515	20551
10°	20631	20557	20599
15°	20629	20600	20695
20°	20627	20632	20739
25°	20637	20647	20773
30°	20660	20686	20823
35°	20656	20723	20895
40°	20659	20790	20903
45°	20717	20794	20962
50°	20654	20775	20910
55°	20427	20713	20936
60°	20195	20523	20779
65°	19749	20159	20310
70°	18748	19549	19789
75°	16722	18132	2185
80°	13447	2258	2390
85°	8948	2931	2983



TEST NUMBER: P730977

CATALOG NUMBER: HBLED-LD5-36HE-W-UNV-L740

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1204.3	3.2
10°-20°	3479.9	9.2
20°-30°	5346.7	14.1
30°-40°	6581.9	17.4
40°-50°	7017.0	18.5
50°-60°	6559.5	17.3
60°-70°	5192.7	13.7
70°-80°	2209.3	5.8
80°-90°	301.7	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°	10030.9	26.5
0°-40°	16612.9	43.8
0°-60°	30189.4	79.7
0°-90°	37893.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	37893.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12680	12680	12680	12680	12680	
5°	12722	12666	12658	12607	12680	###
15°	12341	12318	12324	12290	12381	3485
25°	11584	11570	11590	11584	11660	5341
35°	10480	10463	10514	10550	10601	6557
45°	9073	9022	9107	9144	9180	6991
55°	7257	7279	7358	7384	7437	6498
65°	5169	5214	5276	5316	5316	5085
75°	2681	2796	2907	474	350	2836
85°	483	144	158	164	161	630
90°	0	0	0	0	0	



TEST NUMBER: P730977

CATALOG NUMBER: HBLED-LD5-36HE-W-UNV-L740

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12680.1	12680.1	12680.1	12680.1	12680.1
2.5°	12750.7	12691.4	12680.1	12629.2	12697.0
5°	12722.5	12666.0	12657.5	12606.6	12680.1
7.5°	12663.1	12617.9	12612.3	12558.6	12632.1
10°	12584.0	12541.7	12538.8	12490.8	12564.3
12.5°	12476.7	12440.0	12451.3	12403.3	12476.7
15°	12341.1	12318.5	12324.2	12290.3	12380.7
17.5°	12177.3	12166.0	12177.3	12151.9	12233.8
20°	12005.0	11990.9	12007.8	11993.7	12069.9
22.5°	11804.4	11787.5	11821.4	11801.6	11872.2
25°	11584.1	11570.0	11589.7	11584.1	11660.4
27.5°	11332.7	11318.6	11360.9	11363.8	11423.1
30°	11081.3	11061.5	11095.4	11109.5	11168.9
32.5°	10781.9	10776.2	10827.1	10838.4	10900.5
35°	10479.6	10462.7	10513.5	10550.3	10601.1
37.5°	10149.1	10146.3	10200.0	10231.1	10256.5
40°	9801.7	9787.6	9863.9	9894.9	9917.5
42.5°	9448.6	9417.6	9491.0	9530.5	9556.0
45°	9072.9	9022.1	9106.8	9143.6	9180.3
47.5°	8660.5	8615.3	8697.3	8736.8	8762.2
50°	8222.7	8180.3	8270.7	8304.6	8324.4
52.5°	7782.1	7739.7	7835.7	7864.0	7912.0
55°	7256.7	7279.3	7358.3	7383.8	7437.4
57.5°	6770.8	6790.6	6866.8	6897.9	6960.1
60°	6253.9	6285.0	6355.6	6386.6	6434.7
62.5°	5753.9	5756.7	5841.5	5855.6	5892.3
65°	5169.2	5214.4	5276.5	5316.1	5316.1
67.5°	4516.7	4626.9	4734.2	4725.7	4748.3
70°	3971.5	4013.9	4141.0	4160.8	4191.9
72.5°	3288.0	3398.1	3539.3	2643.9	898.3
75°	2680.6	2796.5	2906.6	474.5	350.3
77.5°	2081.8	2172.2	966.0	271.2	265.5
80°	1446.2	1590.3	242.9	248.6	257.0
82.5°	951.9	776.8	200.6	220.3	223.2
85°	483.0	144.1	158.2	163.8	161.0
87.5°	158.2	87.6	90.4	93.2	96.0
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)