

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: P730965

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730965
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-LD5-36HE-W-CLI-UNV-L740
Description: 36000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35203.0 lumens
Efficiency: N/A
Efficacy: 167.6 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

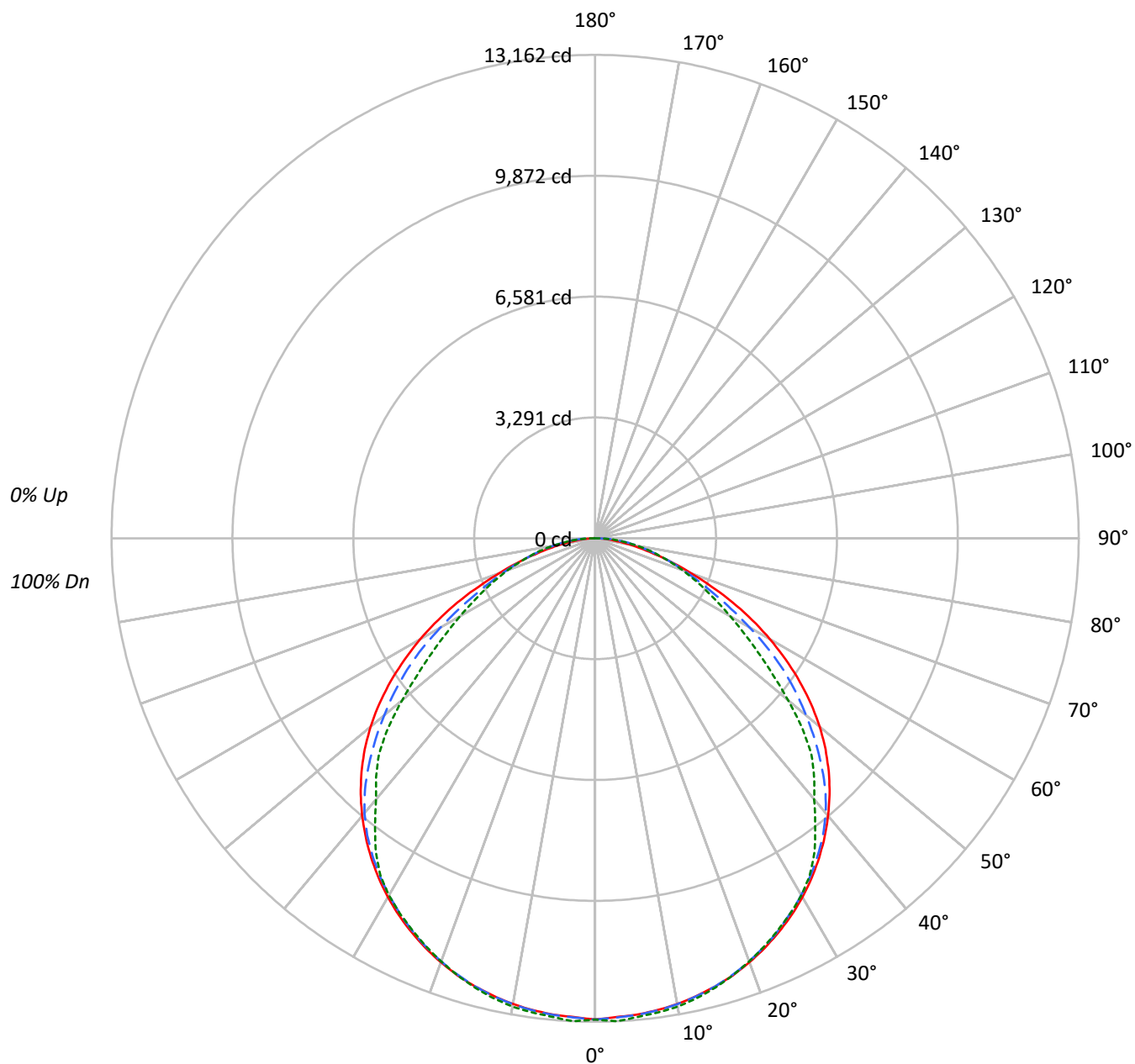
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730965

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

Luminous Intensity Polar Plot





TEST NUMBER: P730965

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

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°	21155	21155	21155
5°	21099	21114	21208
10°	21110	21121	21232
15°	21113	21111	21160
20°	21108	21059	21065
25°	21076	20997	20972
30°	21041	20915	20927
35°	20943	20813	20518
40°	20794	20582	19544
45°	20530	19872	19003
50°	20036	18815	17211
55°	19124	17596	15218
60°	17748	15700	13724
65°	15775	13593	12620
70°	13092	12148	11895
75°	10588	11118	11256
80°	8410	10633	10590
85°	6584	11423	10897



TEST NUMBER: P730965

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1242.6	3.5
10°-20°	3574.2	10.2
20°-30°	5450.1	15.5
30°-40°	6593.8	18.7
40°-50°	6678.9	19.0
50°-60°	5520.3	15.7
60°-70°	3646.0	10.4
70°-80°	1901.2	5.4
80°-90°	596.0	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°	10266.9	29.2
0°-40°	16860.6	47.9
0°-60°	29059.8	82.5
0°-90°	35203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35203.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13103	13103	13103	13103	13103	
5°	13018	13096	13027	13084	13086	###
15°	12631	12695	12629	12669	12659	3567
25°	11830	11878	11786	11816	11772	5455
35°	10625	10640	10559	10545	10410	6646
45°	8991	8968	8703	8433	8322	6923
55°	6794	6693	6251	5644	5406	6055
65°	4129	4009	3558	3327	3303	4078
75°	1697	1727	1782	1806	1804	1849
85°	355	458	617	612	588	431
90°	0	0	0	0	0	



TEST NUMBER: P730965

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13102.7	13102.7	13102.7	13102.7	13102.7
2.5°	13047.8	13124.8	13060.2	13116.9	13162.5
5°	13017.8	13096.5	13027.2	13083.9	13085.5
7.5°	12959.7	13038.3	12967.4	13024.1	13022.5
10°	12876.2	12950.2	12882.5	12950.2	12950.2
12.5°	12763.0	12835.3	12769.4	12832.2	12822.7
15°	12630.9	12695.3	12629.4	12668.7	12659.2
17.5°	12475.2	12533.4	12459.4	12492.4	12473.6
20°	12284.8	12338.3	12256.6	12299.0	12259.6
22.5°	12070.8	12121.2	12037.8	12069.4	12025.2
25°	11830.3	11877.5	11786.3	11816.1	11772.1
27.5°	11570.7	11613.1	11510.9	11547.2	11512.4
30°	11285.9	11306.5	11218.4	11265.6	11224.7
32.5°	10968.2	10980.9	10903.7	10946.2	10877.0
35°	10625.3	10639.5	10559.3	10545.1	10409.9
37.5°	10258.8	10265.1	10189.7	10062.2	9838.8
40°	9865.7	9862.5	9765.0	9470.8	9272.6
42.5°	9445.5	9444.1	9272.6	8937.5	8824.3
45°	8991.0	8967.5	8703.1	8432.6	8322.5
47.5°	8503.5	8478.2	8108.6	7893.2	7643.0
50°	7976.5	7932.5	7490.4	7196.2	6851.8
52.5°	7408.6	7340.9	6891.1	6416.1	6090.5
55°	6793.6	6692.9	6251.0	5643.8	5406.3
57.5°	6153.5	6004.0	5574.6	4983.2	4789.7
60°	5496.0	5329.1	4862.0	4376.0	4250.1
62.5°	4819.5	4654.4	4177.8	3811.3	3742.0
65°	4129.0	4009.4	3558.0	3326.8	3303.3
67.5°	3421.2	3378.7	3034.2	2916.3	2906.8
70°	2773.2	2765.3	2573.3	2513.5	2519.8
72.5°	2216.3	2206.9	2178.6	2148.6	2150.2
75°	1697.3	1727.1	1782.2	1805.7	1804.3
77.5°	1266.2	1327.6	1443.9	1491.1	1483.2
80°	904.5	995.7	1143.6	1187.6	1138.9
82.5°	602.4	698.4	872.9	879.2	839.9
85°	355.4	457.7	616.6	611.9	588.2
87.5°	176.1	275.2	369.6	353.8	338.2
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)