

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: P730948

Luminaire Tested: **HBLED-LD5-36HE-N-CLI-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23769)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36HE-N-CLI-UNV-L750
Description: 36000 LUMEN, HE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34576.0 lumens
Efficiency: N/A
Efficacy: 164.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 0.64 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

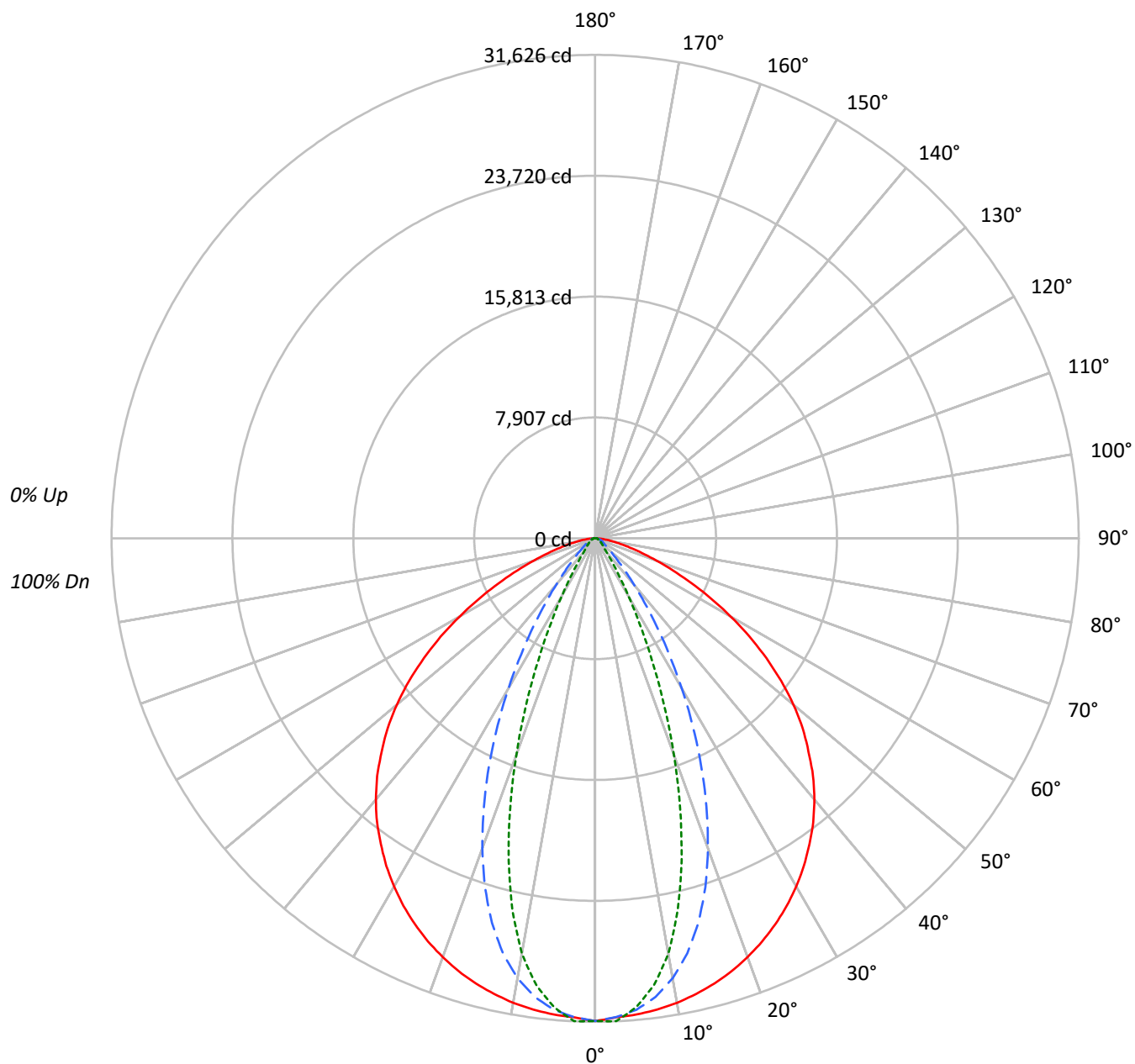
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90		
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	81		
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72		
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65		
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	60		
6	81	70	63	58	79	69	62	57	68	62	57	66	61	57	65	60	56	55		
7	76	65	58	53	75	64	58	53	63	57	52	62	56	52	60	56	52	50		
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46		
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43		
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	50993	50993	50993
5°	50686	50182	49918
10°	50601	47909	45210
15°	50398	43549	36512
20°	50095	37056	25878
25°	49647	29220	15635
30°	49044	21089	8036
35°	48159	13787	4013
40°	47017	8282	2342
45°	45063	4946	1751
50°	42503	3234	1471
55°	38467	2454	1283
60°	33057	2090	1171
65°	26590	1906	1106
70°	20032	2042	1099
75°	14735	1941	1131
80°	10780	1933	1238
85°	8075	2343	1601



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2908.6	8.4
10°-20°	7236.0	20.9
20°-30°	8014.9	23.2
30°-40°	6421.4	18.6
40°-50°	4584.0	13.3
50°-60°	2944.4	8.5
60°-70°	1595.6	4.6
70°-80°	682.0	2.0
80°-90°	189.1	0.5
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°	18159.4	52.5
0°-40°	24580.8	71.1
0°-60°	32109.2	92.9
0°-90°	34576.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34576.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	31583	31583	31583	31583	31583	
5°	31273	31390	30962	30864	30799	###
15°	30150	29207	26053	23024	21843	8507
25°	27868	24573	16402	10686	8776	12838
35°	24433	17673	6995	2821	2036	15277
45°	19735	10202	2166	922	767	15212
55°	13665	4561	872	536	456	12178
65°	6960	1873	499	344	289	6970
75°	2362	685	311	216	181	2625
85°	436	181	126	105	86	532
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	31582.6	31582.6	31582.6	31582.6	31582.6
2.5°	31374.7	31571.1	31359.7	31491.1	31625.8
5°	31273.2	31389.8	30962.1	30864.0	30799.2
7.5°	31096.9	31063.6	30260.3	29739.5	29488.3
10°	30864.0	30594.5	29222.1	28077.8	27575.4
12.5°	30531.3	29975.8	27816.5	25807.1	24955.4
15°	30150.4	29207.3	26053.3	23024.2	21843.1
17.5°	29694.6	28308.9	23945.6	20039.9	18481.2
20°	29155.6	27224.4	21566.9	16869.3	15061.0
22.5°	28553.5	25973.5	19020.1	13708.6	11769.1
25°	27868.1	24572.7	16401.9	10686.2	8776.5
27.5°	27128.0	23017.5	13798.5	7984.7	6242.9
30°	26306.1	21334.0	11311.6	5757.4	4310.1
32.5°	25409.5	19544.2	9001.1	4048.9	2947.7
35°	24433.1	17672.8	6994.8	2821.2	2036.1
37.5°	23433.3	15763.0	5283.2	1994.4	1460.6
40°	22307.1	13860.0	3929.2	1460.6	1111.1
42.5°	21097.8	11993.6	2907.8	1124.4	899.9
45°	19735.4	10202.0	2165.9	921.6	766.9
47.5°	18414.7	8532.0	1645.2	785.1	667.0
50°	16920.9	7024.9	1287.5	685.4	585.5
52.5°	15335.6	5699.1	1044.6	603.9	515.7
55°	13665.4	4561.2	871.6	535.6	455.8
57.5°	11973.7	3613.0	745.2	477.3	406.0
60°	10237.0	2889.4	647.1	427.5	362.6
62.5°	8542.0	2310.6	565.5	384.3	324.4
65°	6960.0	1873.0	499.0	344.4	289.4
67.5°	5497.7	1480.5	465.8	309.4	261.2
70°	4243.4	1152.8	432.5	276.1	232.9
72.5°	3215.4	885.0	382.7	246.2	206.3
75°	2362.1	685.4	311.1	216.3	181.3
77.5°	1690.1	527.4	252.8	187.9	156.4
80°	1159.4	392.7	207.9	161.3	133.2
82.5°	753.6	277.9	168.0	133.2	109.7
85°	435.9	181.3	126.5	104.8	86.4
87.5°	187.9	99.7	86.4	78.2	66.5
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)