

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: P731012

Luminaire Tested: **HBLED-LD5-36SE-W-AI-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731012
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-LD5-36SE-W-AI-UNV-L735
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32861.0 lumens
Efficiency: N/A
Efficacy: 144.4 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

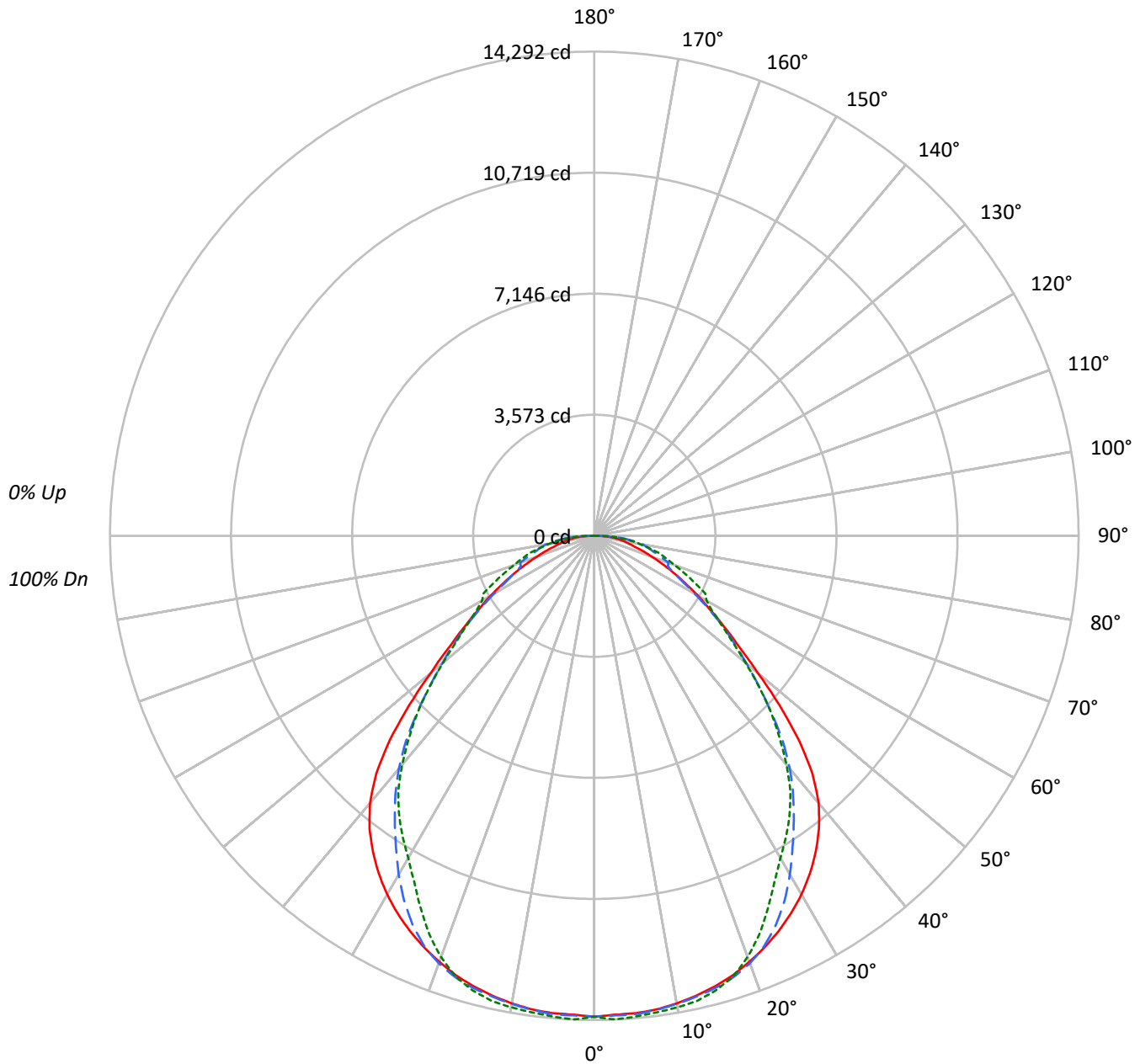
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P731012

CATALOG NUMBER: HBLED-LD5-36SE-W-AI-UNV-L735

Luminous Intensity Polar Plot





TEST NUMBER: P731012

CATALOG NUMBER: HBLED-LD5-36SE-W-AI-UNV-L735

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°	22922	22922	22922
5°	22921	22971	23083
10°	22978	23007	23176
15°	23013	23099	23212
20°	22990	23076	22733
25°	22932	22588	21606
30°	22797	21523	20474
35°	22454	20229	19807
40°	21703	18914	18602
45°	19507	16889	16827
50°	15821	14711	14610
55°	13137	12893	12888
60°	11374	11042	12345
65°	9858	9796	12444
70°	8500	10989	11862
75°	7622	11263	12366
80°	7923	13258	12406
85°	8992	15280	14176



TEST NUMBER: P731012

CATALOG NUMBER: HBLED-LD5-36SE-W-AI-UNV-L735

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1351.7	4.1
10°-20°	3903.9	11.9
20°-30°	5798.1	17.6
30°-40°	6582.5	20.0
40°-50°	5884.5	17.9
50°-60°	4068.6	12.4
60°-70°	2684.7	8.2
70°-80°	1811.2	5.5
80°-90°	775.8	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°	11053.8	33.6
0°-40°	17636.3	53.7
0°-60°	27589.4	84.0
0°-90°	32861.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32861.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14197	14197	14197	14197	14197	
5°	14142	14229	14173	14231	14242	###
15°	13768	13834	13819	13896	13887	3886
25°	12872	12994	12679	12302	12128	5931
35°	11392	11152	10263	10114	10049	7104
45°	8543	7820	7397	7453	7369	6497
55°	4667	4260	4580	4516	4578	4239
65°	2580	2291	2564	2998	3257	2575
75°	1222	1537	1805	1929	1982	1334
85°	485	675	825	830	765	506
90°	0	0	0	0	0	



TEST NUMBER: P731012

CATALOG NUMBER: HBLED-LD5-36SE-W-AI-UNV-L735

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14197.0	14197.0	14197.0	14197.0	14197.0
2.5°	14148.8	14237.2	14171.3	14232.4	14291.8
5°	14142.3	14229.1	14172.8	14230.7	14242.0
7.5°	14102.1	14182.4	14116.5	14172.8	14185.7
10°	14015.2	14110.2	14032.9	14119.8	14135.9
12.5°	13902.8	13999.3	13931.6	14050.6	14057.1
15°	13767.7	13833.6	13819.2	13896.3	13886.7
17.5°	13597.3	13672.9	13661.6	13680.9	13635.9
20°	13380.3	13465.4	13430.1	13341.7	13230.8
22.5°	13147.2	13250.0	13110.3	12886.8	12730.8
25°	12872.2	12994.4	12679.4	12301.6	12127.9
27.5°	12568.4	12677.7	12153.7	11690.7	11510.7
30°	12227.6	12274.2	11544.3	11103.8	10981.6
32.5°	11833.7	11766.2	10893.2	10602.3	10531.6
35°	11391.7	11152.1	10263.1	10113.6	10049.2
37.5°	10893.2	10454.5	9641.0	9571.8	9504.2
40°	10296.9	9648.9	8973.8	8928.8	8825.8
42.5°	9526.9	8772.8	8232.6	8179.6	8087.9
45°	8543.0	7819.5	7396.7	7453.0	7369.4
47.5°	7411.1	6863.0	6594.5	6748.8	6594.5
50°	6298.6	5930.6	5856.6	5996.5	5816.4
52.5°	5387.1	5056.0	5208.8	5232.8	5125.2
55°	4666.9	4260.2	4580.2	4515.8	4578.5
57.5°	4040.0	3585.0	3978.9	3904.9	4120.3
60°	3522.3	3011.1	3419.5	3403.3	3822.9
62.5°	3014.4	2606.0	2933.9	3170.2	3686.2
65°	2580.3	2290.9	2564.1	2998.2	3257.1
67.5°	2163.8	2054.5	2345.5	2586.6	2869.7
70°	1800.5	1856.8	2327.8	2282.8	2512.7
72.5°	1495.1	1686.5	2054.5	2062.6	2225.0
75°	1221.8	1537.0	1805.4	1929.2	1982.2
77.5°	1016.0	1393.8	1630.2	1673.6	1622.1
80°	852.1	1228.2	1425.9	1406.7	1334.3
82.5°	688.0	930.9	1123.8	1141.5	1056.2
85°	485.4	675.3	824.8	829.6	765.2
87.5°	260.4	416.4	500.0	514.4	475.8
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)