

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: P731050

Luminaire Tested: **HBLED-LD5-36SE-W-WG-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731050
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33336)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-W-WG-UNV-L750
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37229.0 lumens
Efficiency: N/A
Efficacy: 163.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.31 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

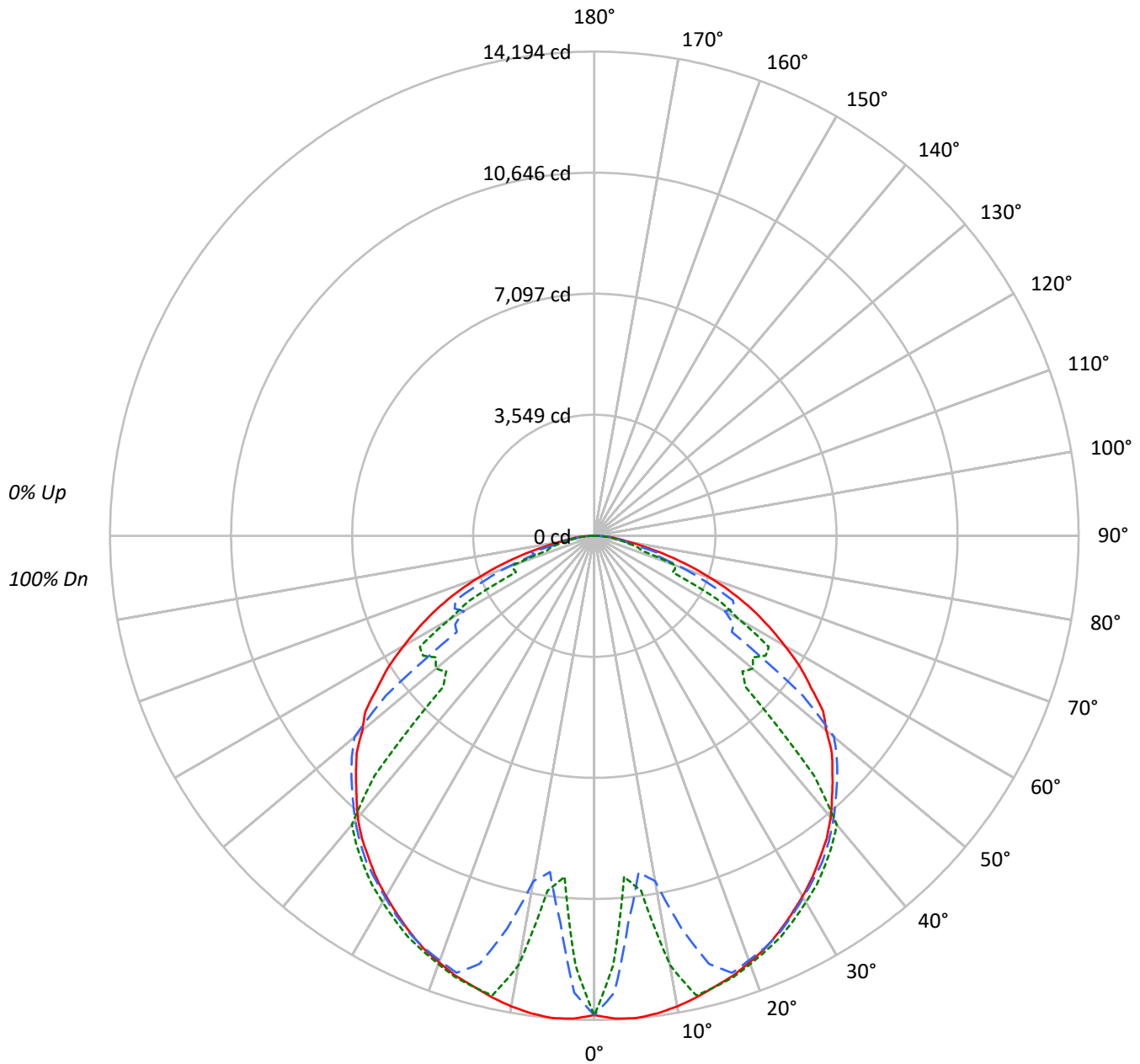
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39		
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35		
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31		
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28		
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22689	22689	22689
5°	23005	18481	16253
10°	22965	16855	20962
15°	22863	21723	22883
20°	22864	22760	22962
25°	22823	22874	23083
30°	22756	22832	23126
35°	22720	22972	23241
40°	22723	22971	23301
45°	22545	22986	14285
50°	22290	23033	15225
55°	21820	13850	17255
60°	20815	14276	15801
65°	19503	17141	9668
70°	17222	12986	11851
75°	13722	11803	8218
80°	9452	8530	7063
85°	9057	7875	7471



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1123.7	3.0
10°-20°	3520.5	9.5
20°-30°	5791.9	15.6
30°-40°	7282.6	19.6
40°-50°	7142.4	19.2
50°-60°	5917.8	15.9
60°-70°	4174.0	11.2
70°-80°	1821.1	4.9
80°-90°	455.0	1.2
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°	10436.1	28.0
0°-40°	17718.7	47.6
0°-60°	30779.0	82.7
0°-90°	37229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	37229.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14053	14053	14053	14053	14053	
5°	14194	13211	11403	10339	10028	###
15°	13678	9499	12996	13732	13690	3868
25°	12811	11722	12840	12925	12957	5905
35°	11527	11520	11655	11732	11791	7222
45°	9874	9904	10067	8916	6256	7621
55°	7752	8005	4920	5594	6130	6935
65°	5105	5406	4487	3451	2531	5019
75°	2200	2156	1892	1237	1317	2359
85°	489	435	425	407	403	507
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14052.8	14052.8	14052.8	14052.8	14052.8
2.5°	14168.7	13874.6	13407.5	12819.3	12611.1
5°	14193.9	13210.8	11402.8	10339.2	10028.3
7.5°	14121.7	12006.0	9941.0	10164.3	10493.8
10°	14007.4	10947.5	10280.4	12095.1	12785.8
12.5°	13861.2	10006.5	11777.5	13662.9	13800.6
15°	13678.0	9499.1	12995.8	13731.8	13689.8
17.5°	13523.4	9796.4	13432.7	13594.0	13563.7
20°	13306.6	10389.6	13246.2	13375.5	13363.8
22.5°	13088.2	11091.9	13069.7	13162.2	13162.2
25°	12811.0	11722.1	12839.5	12925.3	12957.2
27.5°	12506.8	12085.0	12552.1	12622.7	12679.8
30°	12206.0	12137.2	12246.4	12337.1	12404.3
32.5°	11888.5	11861.6	11947.3	12043.0	12128.7
35°	11527.1	11520.4	11654.8	11732.1	11791.1
37.5°	11187.7	11164.3	11288.5	11396.1	11441.5
40°	10781.1	10781.1	10898.7	11007.9	11055.1
42.5°	10317.3	10382.9	10473.6	10586.1	9534.3
45°	9873.7	9904.0	10066.9	8916.0	6255.9
47.5°	9446.8	9485.5	9640.2	5731.6	5888.0
50°	8873.9	9048.6	9169.6	5714.9	6061.1
52.5°	8455.6	8531.0	7697.6	5657.8	5852.6
55°	7751.5	8005.1	4920.0	5593.9	6129.8
57.5°	7149.9	7334.8	4837.8	5731.6	6064.3
60°	6445.9	6728.1	4420.9	5530.1	4893.1
62.5°	5770.3	6039.1	4615.9	4352.1	4143.7
65°	5104.8	5405.6	4486.6	3451.4	2530.6
67.5°	4375.6	4095.1	3579.1	2431.5	2559.2
70°	3648.1	2860.0	2750.8	2718.9	2510.4
72.5°	2900.3	2087.0	1826.5	2040.0	1460.2
75°	2199.6	2155.9	1892.1	1236.7	1317.4
77.5°	1525.7	1556.0	1013.2	1206.4	1001.4
80°	1016.6	880.6	917.4	769.6	759.6
82.5°	704.1	719.1	603.2	584.7	593.2
85°	488.9	435.2	425.1	406.7	403.3
87.5°	162.9	189.9	176.5	159.6	169.8
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)