

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: P730995

Luminaire Tested: **HBLED-LD5-36SE-N-CLI-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730995
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-LD5-36SE-N-CLI-UNV-L740
Description: 36000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34203.0 lumens
Efficiency: N/A
Efficacy: 150.3 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

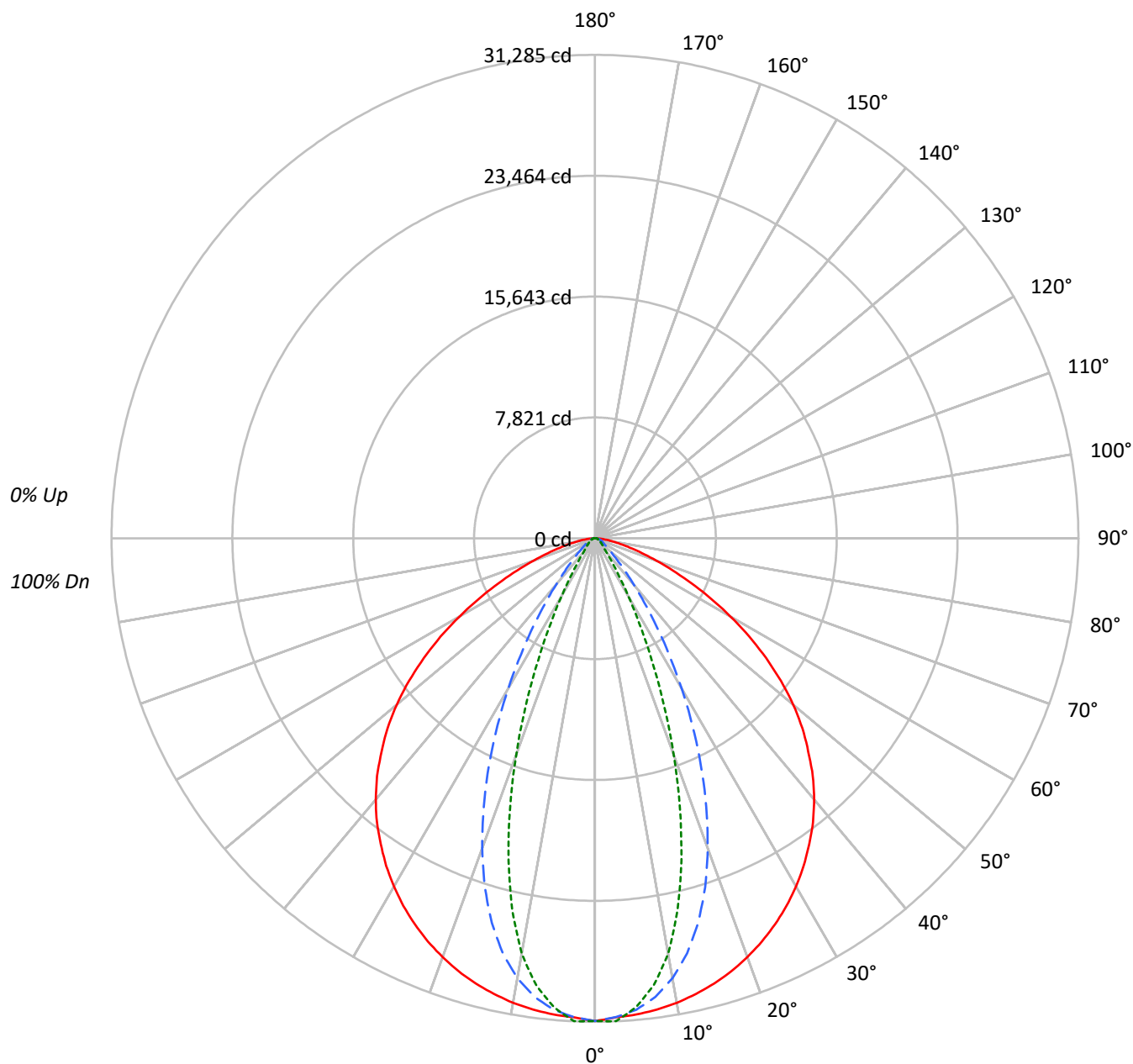
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	50443	50443	50443
5°	50140	49641	49380
10°	50055	47393	44722
15°	49854	43079	36118
20°	49555	36657	25599
25°	49111	28905	15467
30°	48515	20861	7949
35°	47639	13638	3970
40°	46509	8192	2317
45°	44577	4892	1732
50°	42044	3199	1455
55°	38052	2427	1269
60°	32701	2067	1158
65°	26303	1886	1094
70°	19816	2020	1088
75°	14576	1920	1119
80°	10664	1912	1225
85°	7988	2318	1584



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2877.2	8.4
10°-20°	7157.9	20.9
20°-30°	7928.4	23.2
30°-40°	6352.1	18.6
40°-50°	4534.6	13.3
50°-60°	2912.6	8.5
60°-70°	1578.4	4.6
70°-80°	674.7	2.0
80°-90°	187.1	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°	17963.5	52.5
0°-40°	24315.6	71.1
0°-60°	31762.8	92.9
0°-90°	34203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34203.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	31242	31242	31242	31242	31242	
5°	30936	31051	30628	30531	30467	###
15°	29825	28892	25772	22776	21607	8415
25°	27568	24308	16225	10571	8682	12700
35°	24170	17482	6919	2791	2014	15112
45°	19522	10092	2142	912	759	15048
55°	13518	4512	862	530	451	12047
65°	6885	1853	494	341	286	6895
75°	2337	678	308	214	179	2596
85°	431	179	125	104	86	527
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	31241.9	31241.9	31241.9	31241.9	31241.9
2.5°	31036.3	31230.5	31021.4	31151.4	31284.7
5°	30935.9	31051.2	30628.1	30531.0	30467.0
7.5°	30761.4	30728.5	29933.8	29418.7	29170.2
10°	30531.0	30264.5	28906.9	27774.9	27277.9
12.5°	30202.0	29652.4	27516.4	25528.7	24686.2
15°	29825.1	28892.2	25772.2	22775.8	21607.4
17.5°	29374.2	28003.5	23687.3	19823.7	18281.8
20°	28841.1	26930.7	21334.3	16687.3	14898.6
22.5°	28245.5	25693.3	18814.9	13560.7	11642.2
25°	27567.5	24307.7	16225.0	10570.9	8681.8
27.5°	26835.3	22769.2	13649.7	7898.5	6175.6
30°	26022.3	21103.9	11189.5	5695.2	4263.6
32.5°	25135.4	19333.3	8904.0	4005.2	2915.9
35°	24169.5	17482.1	6919.4	2790.8	2014.1
37.5°	23180.5	15593.0	5226.2	1972.9	1444.8
40°	22066.5	13710.4	3886.8	1444.8	1099.1
42.5°	20870.2	11864.2	2876.4	1112.3	890.2
45°	19522.5	10092.0	2142.5	911.7	758.7
47.5°	18216.0	8440.0	1627.4	776.7	659.8
50°	16738.3	6949.1	1273.6	678.0	579.2
52.5°	15170.1	5637.6	1033.4	597.3	510.1
55°	13518.0	4512.0	862.2	529.8	450.9
57.5°	11844.5	3574.0	737.2	472.2	401.6
60°	10126.6	2858.3	640.1	422.9	358.6
62.5°	8449.8	2285.7	559.4	380.1	320.9
65°	6884.9	1852.8	493.7	340.6	286.3
67.5°	5438.4	1464.5	460.8	306.0	258.4
70°	4197.7	1140.3	427.9	273.1	230.4
72.5°	3180.7	875.5	378.6	243.5	204.1
75°	2336.6	678.0	307.8	213.9	179.3
77.5°	1671.9	521.7	250.1	185.9	154.7
80°	1146.9	388.4	205.6	159.6	131.7
82.5°	745.5	274.9	166.2	131.7	108.5
85°	431.2	179.3	125.1	103.7	85.5
87.5°	185.9	98.7	85.5	77.4	65.8
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)