

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: P731021

Luminaire Tested: **HBLED-LD5-36SE-W-CL-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P731021
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23762)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-W-CL-UNV-L835
Description: 36000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
& DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32125.0 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

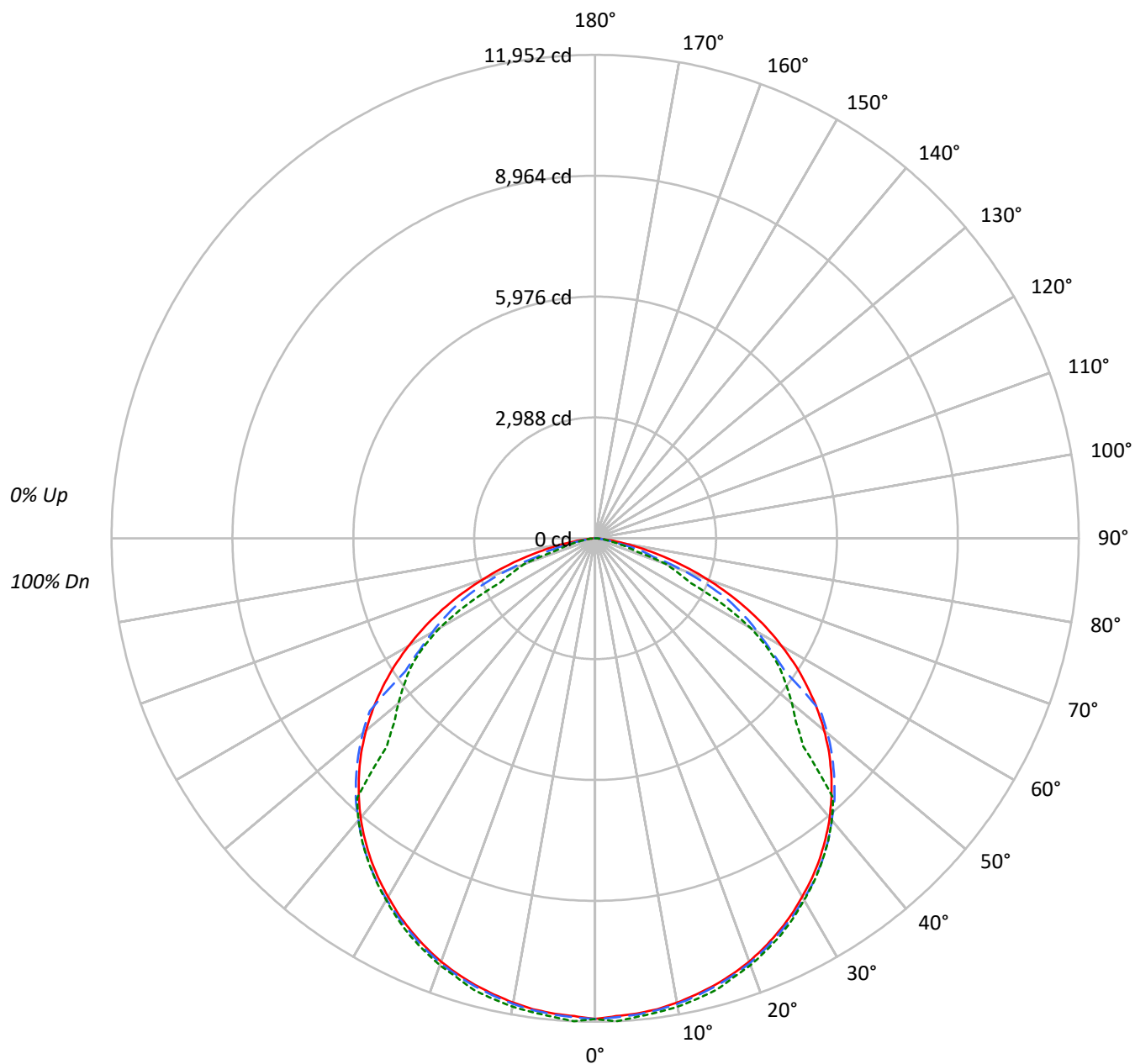
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	110	106	102	98	107	103	100	97	99	96	94		95	93	91		92
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81
3	92	82	74	68	89	80	73	67	77	71	66		75	69	65		72
4	84	73	64	58	82	71	64	57	69	62	57		67	61	56		64
5	77	65	56	50	75	64	56	50	62	55	49		60	54	49		58
6	72	59	50	44	70	58	49	43	56	49	43		54	48	43		53
7	66	53	45	39	65	52	44	38	51	43	38		49	43	38		48
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44
9	58	44	36	31	56	44	36	31	43	36	31		42	35	31		41
10	54	41	33	28	53	40	33	28	40	33	28		39	32	28		38

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19186	19186	19186
5°	19116	19158	19252
10°	19114	19169	19280
15°	19113	19171	19326
20°	19137	19209	19299
25°	19115	19187	19303
30°	19079	19219	19262
35°	19070	19244	19258
40°	19011	19178	19178
45°	18847	19076	16621
50°	18557	18836	15947
55°	18030	16124	15664
60°	17184	14988	14310
65°	15892	13913	9911
70°	13838	10826	8831
75°	10931	7266	4747
80°	7035	3470	2959
85°	2896	2119	2330



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1127.2	3.5
10°-20°	3249.0	10.1
20°-30°	4981.2	15.5
30°-40°	6105.2	19.0
40°-50°	6276.6	19.5
50°-60°	5356.8	16.7
60°-70°	3541.5	11.0
70°-80°	1312.1	4.1
80°-90°	175.5	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°	9357.4	29.1
0°-40°	15462.6	48.1
0°-60°	27096.0	84.3
0°-90°	32125.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32125.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11883	11883	11883	11883	11883	
5°	11795	11877	11821	11867	11879	###
15°	11434	11504	11469	11556	11562	3230
25°	10730	10786	10770	10867	10835	4947
35°	9675	9742	9763	9824	9771	6052
45°	8254	8337	8354	8341	7279	6361
55°	6405	6522	5728	5562	5565	5715
65°	4160	4194	3642	2995	2594	4102
75°	1752	1535	1165	783	761	1880
85°	156	112	114	124	126	258
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11882.9	11882.9	11882.9	11882.9	<i>11882.9</i>
2.5°	<i>11825.0</i>	<i>11898.9</i>	<i>11855.3</i>	<i>11910.3</i>	<i>11952.3</i>
5°	11794.7	11877.1	11820.7	11867.0	<i>11878.6</i>
7.5°	11742.6	11819.2	11767.1	11827.9	<i>11819.2</i>
10°	11658.7	11728.1	11691.9	11755.6	<i>11759.9</i>
12.5°	11551.6	11621.0	11587.7	11665.8	<i>11664.4</i>
15°	11434.4	11503.9	11469.0	11556.0	<i>11561.8</i>
17.5°	11296.9	11360.6	11334.5	11414.2	<i>11382.3</i>
20°	11137.7	11192.7	11179.7	11255.0	<i>11231.8</i>
22.5°	10942.4	10998.8	10985.9	11072.7	<i>11037.9</i>
25°	10729.8	10786.3	10770.3	10867.2	<i>10835.4</i>
27.5°	10499.8	10553.2	10551.7	10643.0	<i>10593.8</i>
30°	10233.5	10304.5	10308.8	10389.8	<i>10331.9</i>
32.5°	9970.2	10036.7	10055.6	10114.9	<i>10065.7</i>
35°	9675.1	9741.5	9763.3	9824.1	<i>9770.6</i>
37.5°	9356.7	9413.1	9452.2	9497.0	<i>9455.1</i>
40°	9019.6	9070.2	9099.2	9154.1	<i>9099.2</i>
42.5°	8643.4	8715.8	8756.3	8795.4	<i>8705.7</i>
45°	8254.2	8336.6	8354.1	8341.0	<i>7279.0</i>
47.5°	7841.9	7931.6	7941.8	6926.1	<i>6730.8</i>
50°	7387.6	7500.5	7499.0	6400.8	<i>6348.8</i>
52.5°	6914.5	7023.0	7018.7	5989.9	<i>5955.2</i>
55°	6405.1	6522.4	5728.0	5561.7	<i>5564.6</i>
57.5°	5885.7	5969.6	5139.2	5146.4	<i>5050.9</i>
60°	5321.5	5401.0	4641.5	4596.6	<i>4431.6</i>
62.5°	4755.8	4789.1	4159.7	3941.1	<i>3627.2</i>
65°	4159.7	4194.4	3641.8	2995.0	<i>2594.1</i>
67.5°	3547.7	3582.4	3022.4	2228.2	<i>2197.7</i>
70°	2931.3	2647.7	2293.3	1856.4	<i>1870.7</i>
72.5°	2323.6	2034.3	1498.9	1438.1	<i>1038.8</i>
75°	1752.2	1535.1	1164.7	782.8	<i>761.0</i>
77.5°	1219.7	1057.6	623.6	533.9	<i>499.2</i>
80°	756.6	531.0	373.2	331.3	<i>318.2</i>
82.5°	383.4	305.3	202.6	202.6	<i>202.6</i>
85°	156.3	111.5	114.4	124.4	<i>125.8</i>
87.5°	33.2	44.8	55.0	56.5	<i>55.0</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)