

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: P730983

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23768)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-36SE-N-CL-UNV-L740
Description: 36000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34625.0 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.63 / 0.78
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

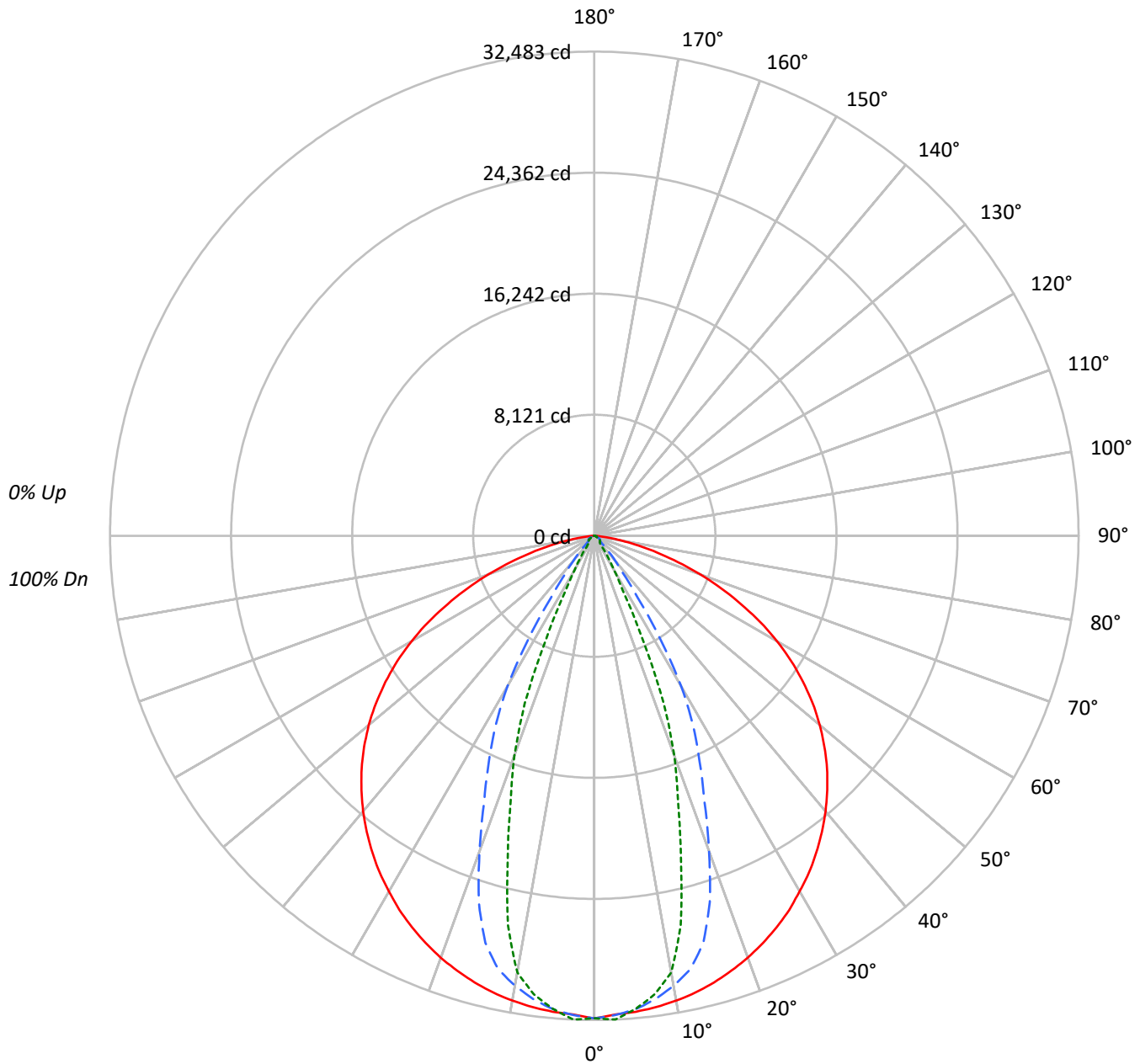
Input Watts (W): 227.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	105	103	109	106	104	101	102	100	98		98	97	95		95
2	105	99	94	90	102	97	92	89	94	90	87		91	87	85		88
3	98	90	84	79	96	89	83	79	86	81	77		83	79	76		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	86	76	69	64	85	75	69	64	73	68	63		72	67	63		70
6	81	71	64	59	80	70	63	58	68	62	58		67	62	58		65
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54
10	65	54	48	43	64	54	47	43	53	47	43		52	47	43		51

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	52273	52273	52273
5°	51952	51680	51643
10°	51917	50252	48769
15°	51857	47255	37498
20°	51756	38670	26897
25°	51594	29795	13668
30°	51350	21744	4973
35°	51166	9986	1731
40°	50851	4532	1194
45°	50399	1691	1211
50°	49596	1228	1274
55°	48128	1292	970
60°	45735	1380	856
65°	41476	1051	696
70°	35561	758	642
75°	27181	672	610
80°	17007	631	663
85°	5372	737	891



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3014.1	8.7
10°-20°	7592.8	21.9
20°-30°	8268.9	23.9
30°-40°	6185.6	17.9
40°-50°	4447.6	12.8
50°-60°	2731.5	7.9
60°-70°	1571.7	4.5
70°-80°	701.5	2.0
80°-90°	111.3	0.3
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°	18875.8	54.5
0°-40°	25061.4	72.4
0°-60°	32240.5	93.1
0°-90°	34625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34625.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	32375	32375	32375	32375	32375	
5°	32054	32205	31887	31916	31863	###
15°	31023	30429	28270	24279	22433	8757
25°	28961	26883	16724	10730	7672	13350
35°	25959	18618	5066	1489	878	16238
45°	22072	10460	740	548	530	17004
55°	17097	2174	459	444	345	15243
65°	10856	239	275	229	182	10746
75°	4357	144	108	111	98	4728
85°	290	28	40	51	48	578
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	32375.2	32375.2	32375.2	32375.2	32375.2
2.5°	32150.0	32360.3	32183.1	32342.1	32482.9
5°	32053.9	32204.7	31886.6	31916.3	31863.4
7.5°	31888.2	31924.6	31349.8	31127.8	31020.1
10°	31666.2	31568.5	30650.7	30122.2	29746.1
12.5°	31386.3	31063.2	29780.8	27893.9	26769.1
15°	31023.4	30428.7	28270.0	24279.1	22433.4
17.5°	30591.1	29765.9	25768.3	20234.9	18637.9
20°	30122.2	29033.7	22506.2	17204.9	15654.1
22.5°	29568.9	28097.7	19288.9	14308.9	12180.1
25°	28960.8	26883.4	16724.4	10730.5	7672.3
27.5°	28304.8	25281.3	14350.3	6580.4	4148.4
30°	27542.7	23331.3	11663.2	3692.8	2667.3
32.5°	26798.8	21058.4	8331.6	2460.1	1704.7
35°	25958.8	18618.1	5066.2	1489.4	878.0
37.5°	25069.2	16399.6	3170.9	810.1	606.3
40°	24126.6	14295.6	2150.4	575.0	566.6
42.5°	23119.2	12392.1	1346.8	546.7	564.9
45°	22072.3	10460.4	740.5	548.4	530.2
47.5°	20935.8	8363.1	516.9	518.5	516.9
50°	19744.7	5998.9	488.8	512.0	507.0
52.5°	18460.6	3724.3	490.4	500.3	449.0
55°	17097.2	2173.5	458.9	444.0	344.6
57.5°	15664.0	1355.1	449.0	366.2	309.8
60°	14163.1	715.8	427.4	329.8	265.0
62.5°	12564.4	352.9	342.9	281.6	217.1
65°	10856.3	238.6	275.1	228.6	182.2
67.5°	9206.3	215.3	207.2	187.2	159.0
70°	7533.0	197.1	160.6	164.0	135.9
72.5°	5891.3	178.9	129.2	140.8	114.3
75°	4357.1	144.2	107.7	110.9	97.8
77.5°	3031.7	112.7	84.6	94.5	91.1
80°	1829.1	71.3	67.9	77.8	71.3
82.5°	886.3	46.4	53.1	61.2	56.3
85°	290.0	28.1	39.8	51.3	48.1
87.5°	36.4	16.6	33.1	44.8	41.4
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)