

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: P730889

Luminaire Tested: **HBLED-LD5-30SE-N-CLI-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730889
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-LD5-30SE-N-CLI-UNV-L835
Description: 30000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27154.0 lumens
Efficiency: N/A
Efficacy: 142.9 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

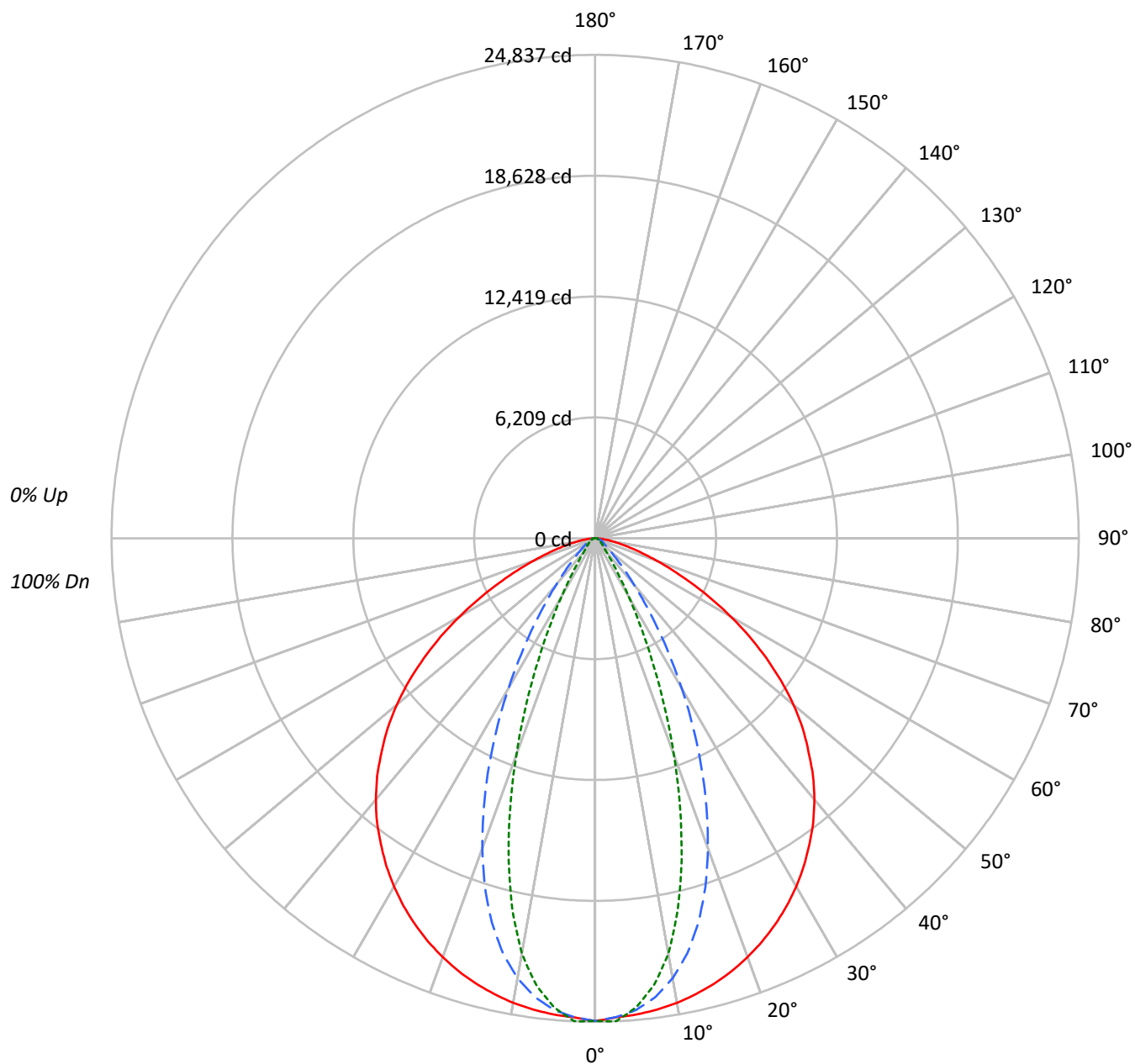
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	101	102	100	98		98	96	95		95
2	105	98	93	89	102	97	92	88	93	89	86		90	87	84		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	75		81
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	63	84	75	68	63	73	67	62		71	66	62		69
6	81	70	63	58	79	69	62	57	68	62	57		66	61	57		65
7	76	65	58	53	75	64	58	53	63	57	52		62	56	52		60
8	72	61	54	49	70	60	53	49	59	53	48		58	52	48		57
9	68	57	50	45	67	56	50	45	55	49	45		54	49	45		53
10	64	53	47	42	63	53	46	42	52	46	42		51	46	42		50

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	40047	40047	40047
5°	39806	39410	39203
10°	39739	37625	35505
15°	39579	34201	28674
20°	39342	29102	20323
25°	38990	22948	12279
30°	38516	16562	6311
35°	37821	10828	3152
40°	36924	6504	1839
45°	35390	3884	1375
50°	33379	2540	1155
55°	30210	1927	1008
60°	25961	1641	919
65°	20883	1497	868
70°	15732	1604	863
75°	11572	1524	888
80°	8466	1518	973
85°	6341	1841	1258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2284.2	8.4
10°-20°	5682.7	20.9
20°-30°	6294.4	23.2
30°-40°	5043.0	18.6
40°-50°	3600.0	13.3
50°-60°	2312.3	8.5
60°-70°	1253.1	4.6
70°-80°	535.6	2.0
80°-90°	148.5	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°	14261.4	52.5
0°-40°	19304.3	71.1
0°-60°	25216.7	92.9
0°-90°	27154.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27154.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24803	24803	24803	24803	24803	
5°	24560	24652	24316	24239	24188	###
15°	23678	22938	20461	18082	17154	6681
25°	21886	19298	12881	8392	6892	10083
35°	19188	13879	5493	2216	1599	11997
45°	15499	8012	1701	724	602	11946
55°	10732	3582	684	421	358	9564
65°	5466	1471	392	270	227	5474
75°	1855	538	244	170	142	2061
85°	342	142	99	82	68	418
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	24803.2	24803.2	24803.2	24803.2	24803.2
2.5°	24639.9	24794.1	24628.1	24731.3	24837.1
5°	24560.2	24651.7	24315.9	24238.8	24187.9
7.5°	24421.7	24395.6	23764.7	23355.7	23158.4
10°	24238.8	24027.2	22949.4	22050.7	21656.1
12.5°	23977.6	23541.2	21845.5	20267.4	19598.6
15°	23678.4	22937.7	20460.7	18081.9	17154.3
17.5°	23320.4	22232.2	18805.5	15738.2	14514.1
20°	22897.2	21380.5	16937.4	13248.2	11828.1
22.5°	22424.3	20398.1	14937.3	10766.0	9242.8
25°	21886.0	19298.0	12881.1	8392.3	6892.5
27.5°	21304.8	18076.6	10836.6	6270.7	4902.8
30°	20659.3	16754.5	8883.5	4521.5	3384.9
32.5°	19955.2	15348.9	7069.0	3179.7	2315.0
35°	19188.4	13879.2	5493.3	2215.6	1599.0
37.5°	18403.1	12379.4	4149.1	1566.3	1147.0
40°	17518.7	10884.8	3085.7	1147.0	872.6
42.5°	16569.0	9419.1	2283.6	883.1	706.7
45°	15499.1	8012.1	1701.0	723.8	602.3
47.5°	14461.8	6700.5	1292.0	616.6	523.8
50°	13288.7	5517.0	1011.1	538.3	459.8
52.5°	12043.7	4475.7	820.4	474.2	405.0
55°	10732.0	3582.1	684.5	420.6	358.0
57.5°	9403.4	2837.4	585.3	374.9	318.8
60°	8039.6	2269.2	508.2	335.7	284.7
62.5°	6708.4	1814.6	444.1	301.8	254.8
65°	5466.0	1470.9	391.9	270.4	227.3
67.5°	4317.6	1162.7	365.8	243.0	205.2
70°	3332.5	905.3	339.7	216.8	182.9
72.5°	2525.2	695.1	300.5	193.3	162.0
75°	1855.0	538.3	244.3	169.8	142.4
77.5°	1327.3	414.2	198.6	147.6	122.9
80°	910.5	308.4	163.3	126.7	104.6
82.5°	591.9	218.2	131.9	104.6	86.2
85°	342.3	142.4	99.4	82.3	67.9
87.5°	147.6	78.3	67.9	61.4	52.2
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)