

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: P730894

Luminaire Tested: **HBLED-LD5-30SE-N-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730894
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23767)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-N-UNV-L750
Description: 30000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32393.0 lumens
Efficiency: N/A
Efficacy: 170.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.62 / 0.77
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

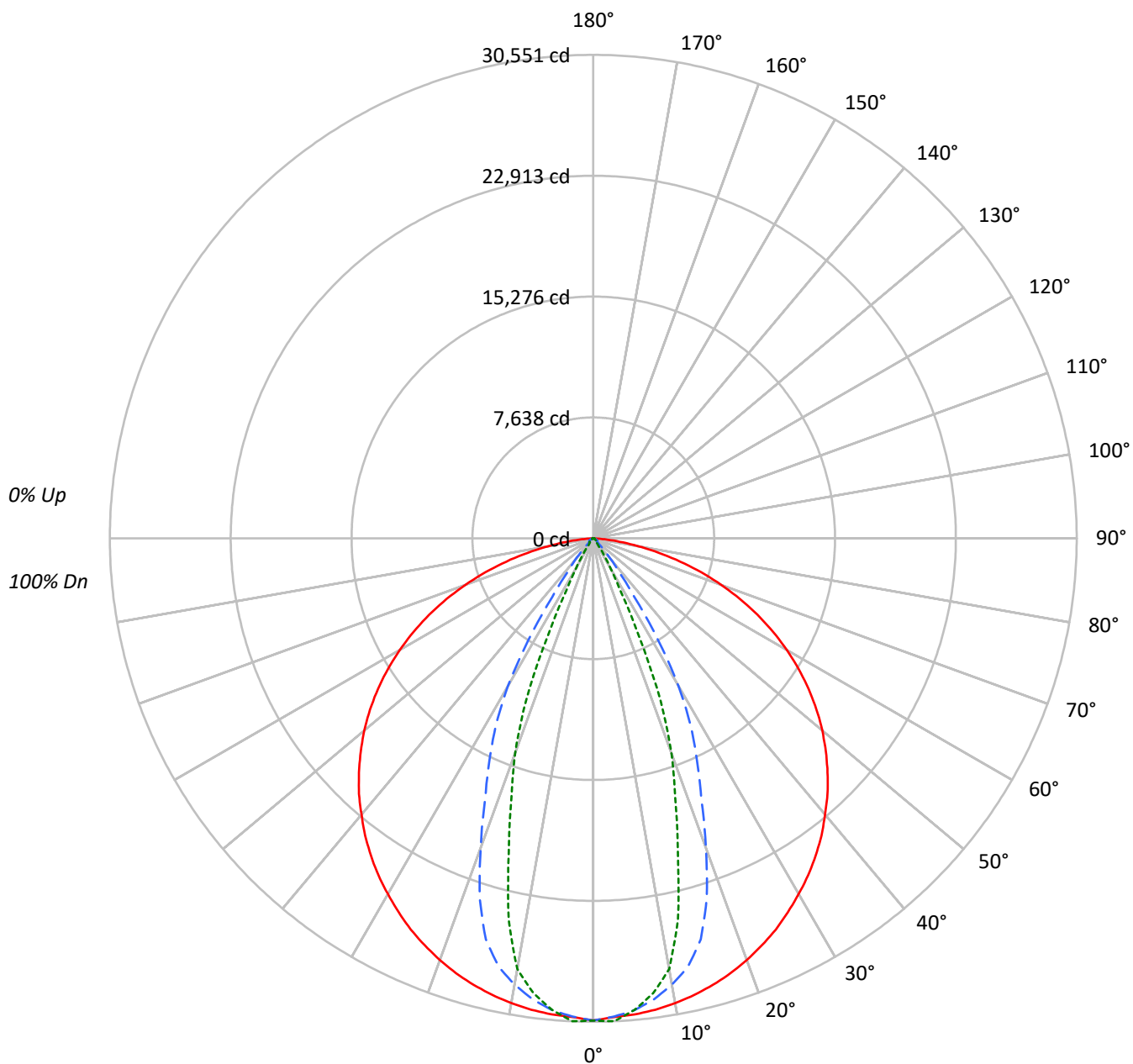
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	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
1	112	108	105	102	109	106	103	101		102	100	98		98	96	95		95	93	92
2	105	98	93	89	102	97	92	88		93	89	86		90	87	84		87	85	82
3	98	90	84	79	96	88	83	78		86	81	77		83	79	76		81	77	74
4	92	82	76	70	90	81	75	70		79	73	69		77	72	68		75	71	67
5	86	76	69	64	84	75	68	63		73	67	63		71	66	62		70	65	62
6	81	70	63	58	79	70	63	58		68	62	58		66	61	57		65	60	57
7	76	66	58	54	75	65	58	53		63	57	53		62	57	53		61	56	52
8	72	61	54	49	71	61	54	49		59	53	49		58	53	49		57	52	49
9	68	57	51	46	67	57	50	46		56	50	46		55	49	46		54	49	45
10	65	54	47	43	64	53	47	43		53	47	43		52	46	43		51	46	42

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	49207	49207	49207
5°	48944	48512	48491
10°	48914	46957	45310
15°	48845	43869	34483
20°	48731	35762	24822
25°	48607	27652	12227
30°	48392	20097	3965
35°	48278	8916	1020
40°	48025	3621	687
45°	47810	1016	732
50°	47438	721	812
55°	46754	857	347
60°	45600	955	211
65°	43725	609	249
70°	40621	541	308
75°	35535	407	425
80°	26569	499	607
85°	13160	643	804



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2828.3	8.7
10°-20°	7072.1	21.8
20°-30°	7660.2	23.6
30°-40°	5672.7	17.5
40°-50°	4085.8	12.6
50°-60°	2529.9	7.8
60°-70°	1555.9	4.8
70°-80°	820.2	2.5
80°-90°	167.9	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°	17560.6	54.2
0°-40°	23233.4	71.7
0°-60°	29849.1	92.1
0°-90°	32393.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32393.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	30477	30477	30477	30477	30477	
5°	30198	30310	29932	29953	29919	###
15°	29221	28543	26245	22319	20630	8249
25°	27284	24992	15522	9765	6863	12572
35°	24493	17267	4523	1064	518	15323
45°	20938	9728	445	322	320	16148
55°	16609	2004	304	275	123	14827
65°	11445	212	159	101	65	11292
75°	5696	49	65	86	68	6017
85°	710	19	35	52	43	###
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	30476.8	30476.8	30476.8	30476.8	30476.8
2.5°	30281.1	30474.0	30246.3	30416.0	30550.8
5°	30198.4	30310.1	29931.7	29953.4	29918.6
7.5°	30053.4	30027.4	29390.9	29112.5	28990.8
10°	29834.6	29662.0	28641.4	28060.0	27636.6
12.5°	29551.9	29166.2	27706.3	25857.7	24709.5
15°	29221.2	28542.8	26244.8	22318.7	20629.6
17.5°	28826.9	27865.7	23855.4	18705.6	17197.9
20°	28361.5	27110.3	20813.7	15914.8	14446.2
22.5°	27842.4	26191.1	17859.0	13226.8	11131.8
25°	27284.3	24992.2	15521.8	9764.6	6863.4
27.5°	26639.1	23451.0	13329.7	5751.5	3502.8
30°	25956.3	21595.1	10779.4	3093.9	2126.9
32.5°	25267.6	19491.4	7627.5	1932.6	1206.2
35°	24493.4	17267.4	4523.4	1064.2	517.7
37.5°	23685.8	15229.0	2673.5	484.3	332.0
40°	22785.5	13366.0	1718.0	321.8	326.1
42.5°	21915.7	11629.1	967.1	317.5	323.3
45°	20938.3	9728.3	445.1	321.8	320.4
47.5°	19927.8	7758.0	288.5	324.7	324.7
50°	18885.5	5547.1	287.1	332.0	323.3
52.5°	17785.1	3460.8	298.7	330.6	265.3
55°	16609.2	2003.7	304.4	275.4	123.3
57.5°	15391.4	1181.6	307.4	158.0	69.6
60°	14121.3	653.8	295.7	117.4	65.3
62.5°	12812.1	311.7	233.4	110.3	63.7
65°	11444.9	211.7	159.4	101.4	65.3
67.5°	10025.6	163.8	126.1	95.7	66.7
70°	8604.7	121.7	114.6	95.7	65.3
72.5°	7160.7	82.7	95.7	97.1	65.3
75°	5696.3	49.3	65.3	85.6	68.1
77.5°	4245.1	30.4	50.7	88.4	82.7
80°	2857.5	26.1	53.7	82.7	65.3
82.5°	1677.5	23.3	52.3	63.7	52.3
85°	710.4	18.9	34.7	52.3	43.4
87.5°	133.4	16.0	27.6	42.0	37.7
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)