

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: P730887

Luminaire Tested: **HBLED-LD5-30SE-N-CLI-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730887
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-L740
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: 29267.0 lumens
Efficiency: N/A
Efficacy: 154.0 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

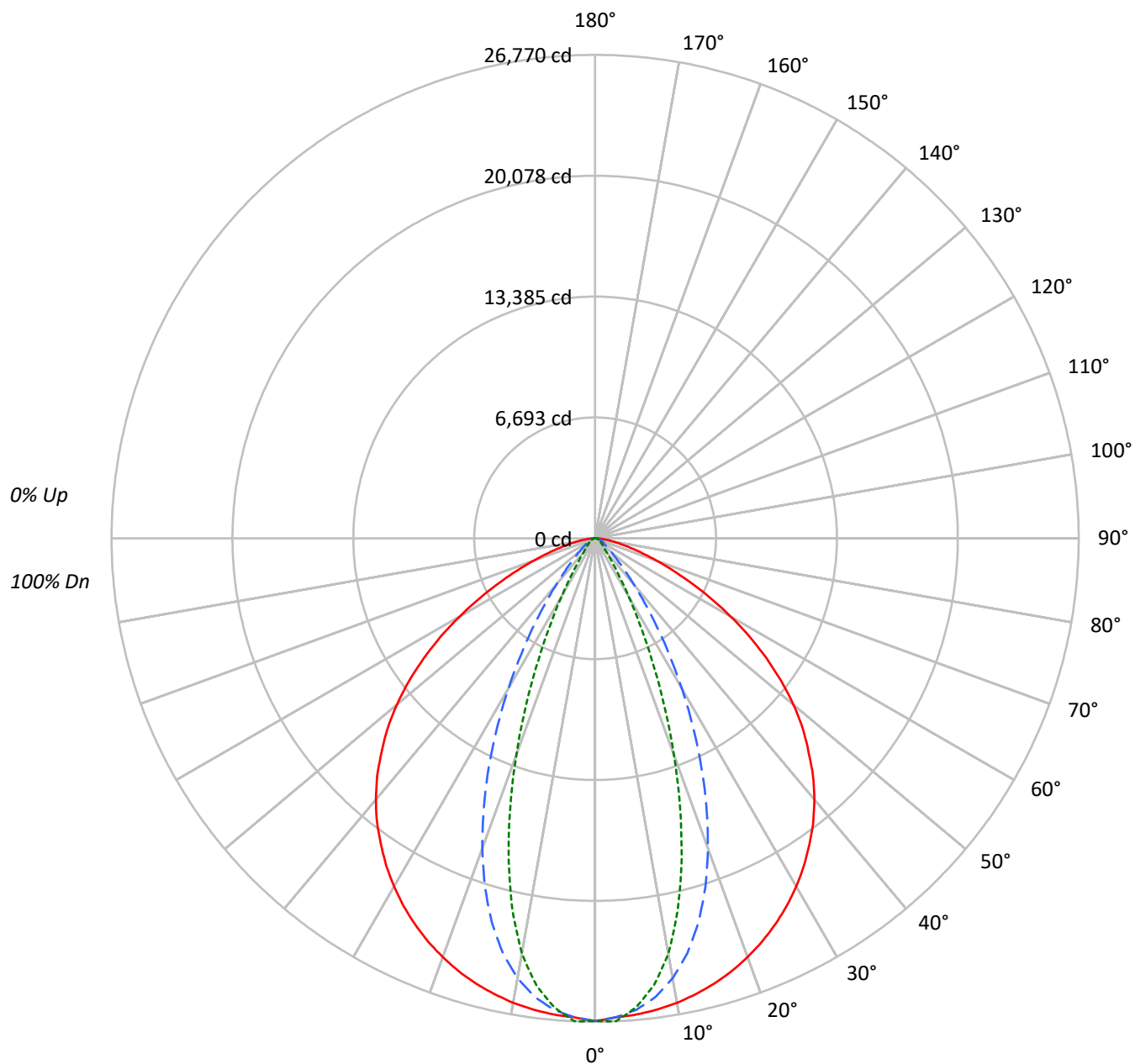
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730887

CATALOG NUMBER: HBLED-LD5-30SE-N-CLI-UNV-L740

Luminous Intensity Polar Plot





TEST NUMBER: P730887

CATALOG NUMBER: HBLED-LD5-30SE-N-CLI-UNV-L740

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
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	75		81	77	74
4	92	82	75	70	90	81	75	70		79	73	69		77	72	68		75	71	67
5	86	76	69	63	84	75	68	63		73	67	62		71	66	62		69	65	61
6	81	70	63	58	79	69	62	57		68	62	57		66	61	57		65	60	56
7	76	65	58	53	75	64	58	53		63	57	52		62	56	52		60	56	52
8	72	61	54	49	70	60	53	49		59	53	48		58	52	48		57	52	48
9	68	57	50	45	67	56	50	45		55	49	45		54	49	45		53	48	45
10	64	53	47	42	63	53	46	42		52	46	42		51	46	42		50	45	42

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	43163	43163	43163
5°	42904	42477	42253
10°	42832	40553	38268
15°	42659	36862	30906
20°	42403	31367	21905
25°	42024	24733	13235
30°	41514	17851	6802
35°	40764	11670	3397
40°	39797	7010	1982
45°	38144	4186	1482
50°	35977	2737	1245
55°	32561	2077	1086
60°	27981	1769	991
65°	22507	1614	936
70°	16956	1728	930
75°	12473	1643	957
80°	9125	1636	1048
85°	6834	1984	1356



TEST NUMBER: P730887

CATALOG NUMBER: HBLED-LD5-30SE-N-CLI-UNV-L740

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2462.0	8.4
10°-20°	6124.9	20.9
20°-30°	6784.3	23.2
30°-40°	5435.4	18.6
40°-50°	3880.2	13.3
50°-60°	2492.3	8.5
60°-70°	1350.6	4.6
70°-80°	577.3	2.0
80°-90°	160.1	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°	15371.1	52.5
0°-40°	20806.5	71.1
0°-60°	27179.0	92.9
0°-90°	29267.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29267.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26733	26733	26733	26733	26733	
5°	26471	26570	26208	26125	26070	###
15°	25521	24723	22053	19489	18489	7201
25°	23589	20800	13884	9045	7429	10867
35°	20682	14959	5921	2388	1723	12931
45°	16705	8636	1833	780	649	12876
55°	11567	3861	738	453	386	10309
65°	5891	1585	422	292	245	5900
75°	1999	580	263	183	153	2222
85°	369	153	107	89	73	451
90°	0	0	0	0	0	



TEST NUMBER: P730887

CATALOG NUMBER: HBLED-LD5-30SE-N-CLI-UNV-L740

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	26733.2	26733.2	26733.2	26733.2	26733.2
2.5°	26557.3	26723.5	26544.5	26655.8	26769.8
5°	26471.4	26570.0	26208.0	26124.9	26070.1
7.5°	26322.1	26293.9	25613.9	25173.2	24960.5
10°	26124.9	25896.8	24735.2	23766.5	23341.3
12.5°	25843.4	25373.1	23545.4	21844.5	21123.6
15°	25520.9	24722.6	22052.9	19488.9	18489.2
17.5°	25135.1	23962.2	20268.9	16962.9	15643.5
20°	24678.9	23044.2	18255.4	14279.1	12748.5
22.5°	24169.3	21985.3	16099.7	11603.7	9962.0
25°	23589.1	20799.7	13883.5	9045.4	7428.9
27.5°	22962.6	19483.3	11679.8	6758.7	5284.4
30°	22266.9	18058.3	9574.7	4873.3	3648.3
32.5°	21508.0	16543.3	7619.0	3427.2	2495.1
35°	20681.5	14959.2	5920.8	2388.0	1723.4
37.5°	19835.2	13342.7	4472.0	1688.2	1236.3
40°	18881.9	11731.8	3325.9	1236.3	940.5
42.5°	17858.3	10152.1	2461.3	951.8	761.7
45°	16705.1	8635.5	1833.3	780.1	649.2
47.5°	15587.2	7222.0	1392.6	664.6	564.6
50°	14322.8	5946.3	1089.8	580.2	495.6
52.5°	12980.9	4824.0	884.2	511.1	436.5
55°	11567.1	3860.8	737.7	453.4	385.8
57.5°	10135.2	3058.2	630.8	404.1	343.6
60°	8665.2	2445.8	547.7	361.8	306.9
62.5°	7230.4	1955.8	478.7	325.3	274.6
65°	5891.3	1585.4	422.4	291.5	245.0
67.5°	4653.5	1253.2	394.3	261.9	221.1
70°	3591.9	975.8	366.1	233.7	197.1
72.5°	2721.7	749.2	323.9	208.4	174.6
75°	1999.4	580.2	263.3	183.1	153.4
77.5°	1430.6	446.4	214.0	159.1	132.4
80°	981.4	332.4	176.0	136.6	112.7
82.5°	637.9	235.2	142.2	112.7	92.9
85°	368.9	153.4	107.1	88.7	73.2
87.5°	159.1	84.4	73.2	66.2	56.3
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)