

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: P730836

Luminaire Tested: **HBLED-LD5-30HE-W-AI-UNV-L840**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-AI-UNV-L840
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27739.0 lumens
Efficiency: N/A
Efficacy: 155.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

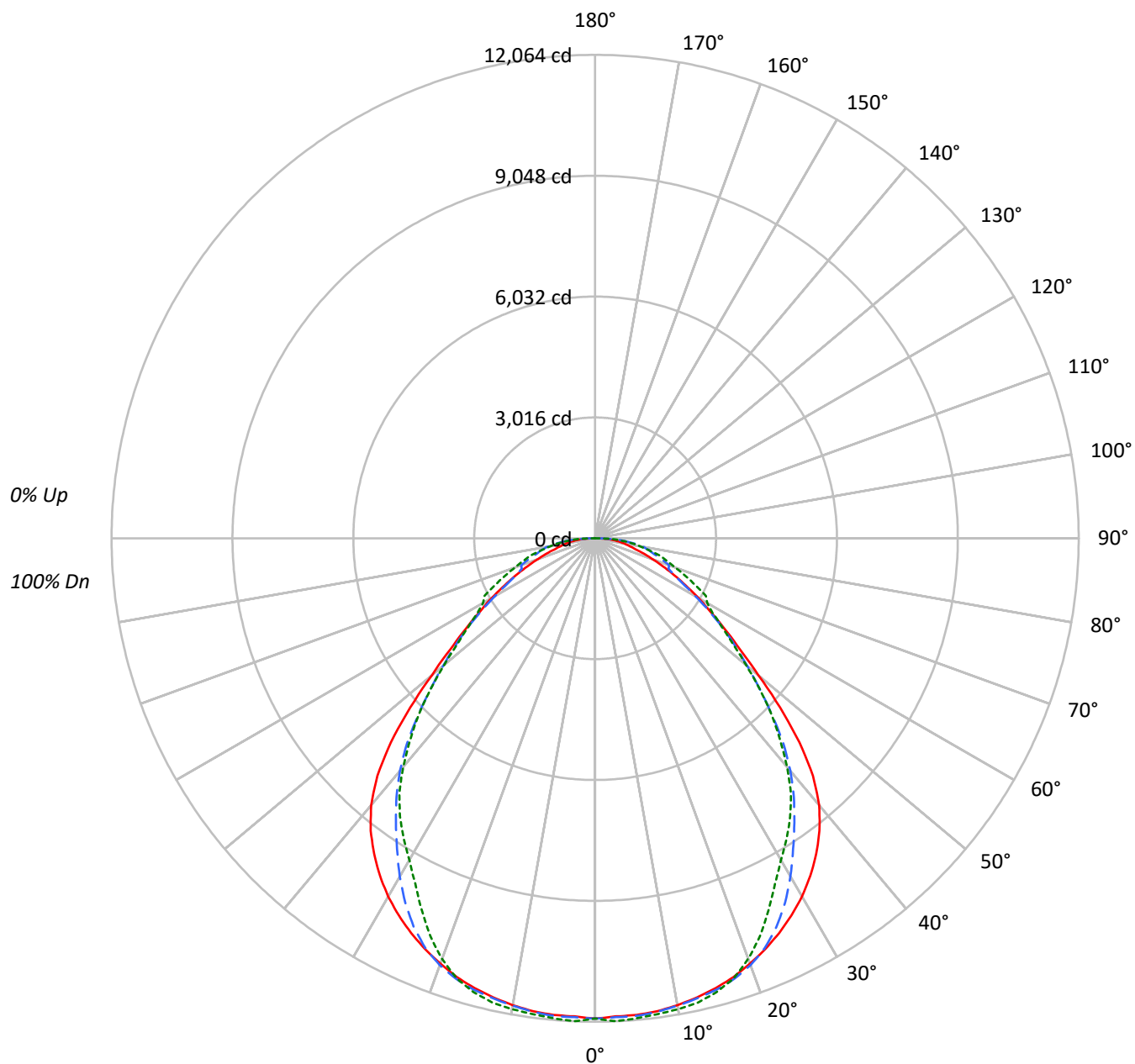
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43		
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19349	19349	19349
5°	19348	19390	19485
10°	19396	19421	19563
15°	19426	19499	19594
20°	19407	19479	19190
25°	19357	19068	18238
30°	19243	18168	17282
35°	18954	17076	16720
40°	18320	15966	15703
45°	16466	14257	14204
50°	13355	12418	12333
55°	11089	10883	10879
60°	9601	9321	10421
65°	8321	8269	10504
70°	7175	9276	10013
75°	6434	9507	10439
80°	6688	11192	10472
85°	7592	12897	11967



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1141.0	4.1
10°-20°	3295.4	11.9
20°-30°	4894.4	17.6
30°-40°	5556.5	20.0
40°-50°	4967.3	17.9
50°-60°	3434.4	12.4
60°-70°	2266.2	8.2
70°-80°	1528.9	5.5
80°-90°	654.8	2.4
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°	9330.9	33.6
0°-40°	14887.4	53.7
0°-60°	23289.1	84.0
0°-90°	27739.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27739.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11984	11984	11984	11984	11984	
5°	11938	12011	11964	12012	12022	###
15°	11622	11677	11665	11730	11722	3280
25°	10866	10969	10703	10384	10238	5007
35°	9616	9414	8663	8537	8483	5996
45°	7211	6601	6244	6291	6221	5484
55°	3940	3596	3866	3812	3865	3578
65°	2178	1934	2164	2531	2749	2174
75°	1031	1297	1524	1628	1673	1126
85°	410	570	696	700	646	427
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11984.1	11984.1	11984.1	11984.1	11984.1
2.5°	11943.4	12018.0	11962.4	12014.0	12064.1
5°	11937.9	12011.2	11963.7	12012.5	12022.1
7.5°	11904.0	11971.8	11916.2	11963.7	11974.6
10°	11830.7	11910.8	11845.6	11918.9	11932.6
12.5°	11735.8	11817.2	11760.1	11860.6	11866.0
15°	11621.8	11677.4	11665.2	11730.3	11722.2
17.5°	11477.9	11541.8	11532.2	11548.4	11510.5
20°	11294.7	11366.6	11336.7	11262.1	11168.5
22.5°	11098.0	11184.8	11066.8	10878.1	10746.4
25°	10865.8	10969.0	10703.1	10384.2	10237.6
27.5°	10609.4	10701.7	10259.3	9868.5	9716.5
30°	10321.7	10361.0	9744.9	9373.1	9269.9
32.5°	9989.2	9932.3	9195.3	8949.7	8890.0
35°	9616.1	9413.8	8663.4	8537.2	8482.9
37.5°	9195.3	8824.9	8138.3	8079.9	8022.8
40°	8691.9	8145.0	7575.1	7537.1	7450.2
42.5°	8041.9	7405.4	6949.4	6904.6	6827.3
45°	7211.4	6600.6	6243.8	6291.3	6220.7
47.5°	6255.9	5793.3	5566.6	5696.9	5566.6
50°	5316.9	5006.2	4943.7	5061.8	4909.8
52.5°	4547.5	4267.9	4396.9	4417.2	4326.3
55°	3939.5	3596.2	3866.3	3812.0	3864.8
57.5°	3410.3	3026.2	3358.7	3296.3	3478.1
60°	2973.3	2541.8	2886.5	2872.9	3227.0
62.5°	2544.5	2199.8	2476.6	2676.1	3111.7
65°	2178.1	1933.8	2164.5	2530.9	2749.4
67.5°	1826.6	1734.3	1979.9	2183.5	2422.4
70°	1519.8	1567.4	1965.0	1927.0	2121.0
72.5°	1262.1	1423.6	1734.3	1741.1	1878.2
75°	1031.4	1297.4	1524.0	1628.5	1673.3
77.5°	857.6	1176.6	1376.1	1412.7	1369.3
80°	719.3	1036.7	1203.7	1187.4	1126.3
82.5°	580.8	785.8	948.6	963.6	891.6
85°	409.8	570.0	696.2	700.3	646.0
87.5°	219.8	351.5	422.1	434.3	401.7
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)