

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: P730868

Luminaire Tested: **HBLED-LD5-30HE-W-WG-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730868
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33336)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30HE-W-WG-UNV-L735
Description: 30000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30285.0 lumens
Efficiency: N/A
Efficacy: 169.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.31 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

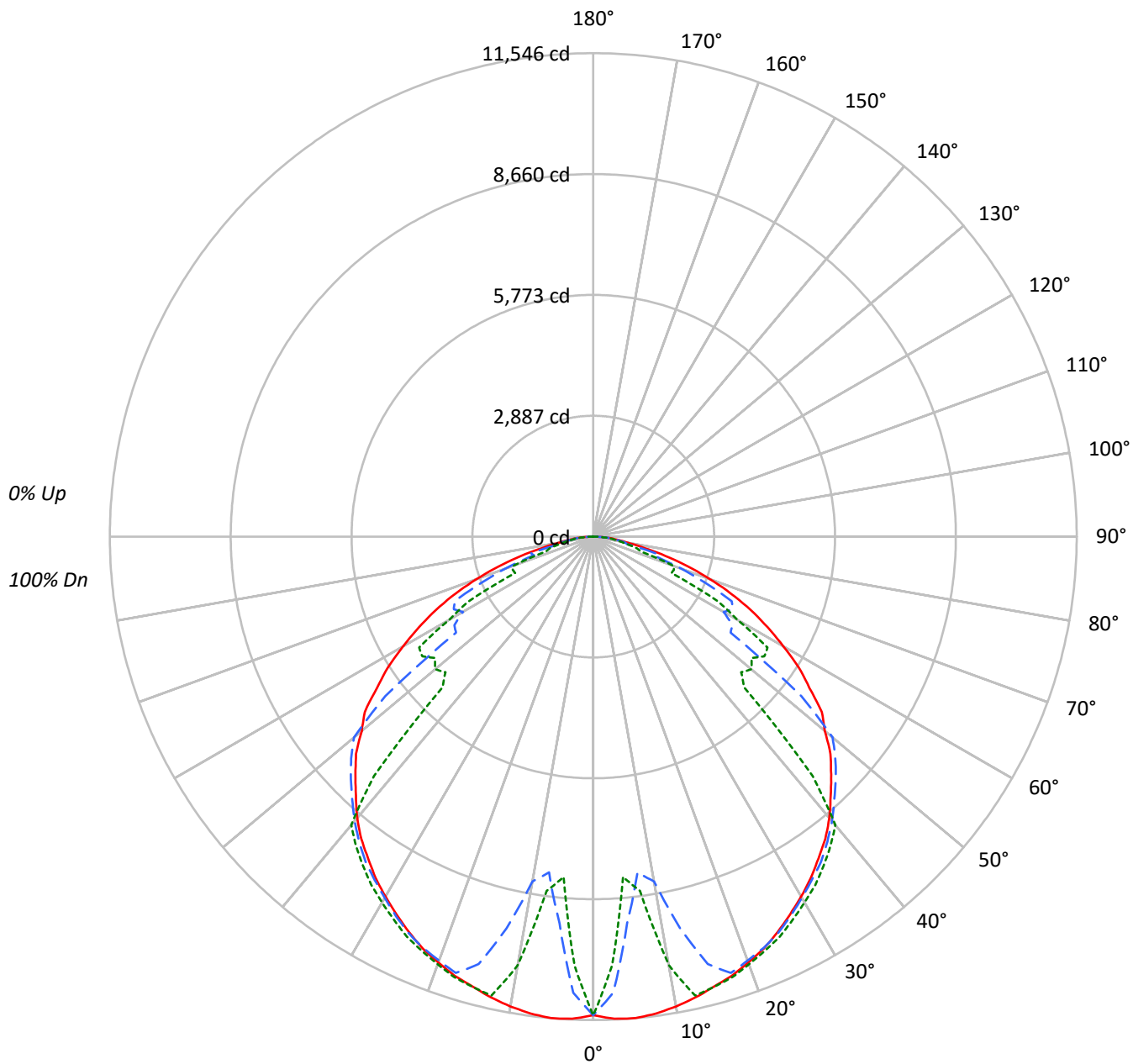
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39		
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35		
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31		
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28		
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18457	18457	18457
5°	18714	15034	13222
10°	18682	13711	17052
15°	18599	17671	18615
20°	18599	18515	18679
25°	18566	18607	18778
30°	18512	18573	18813
35°	18483	18687	18906
40°	18485	18687	18955
45°	18340	18699	11620
50°	18132	18737	12385
55°	17750	11266	14037
60°	16932	11613	12854
65°	15865	13943	7865
70°	14009	10564	9641
75°	11163	9602	6686
80°	7689	6939	5745
85°	7368	6406	6078



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	914.1	3.0
10°-20°	2863.8	9.5
20°-30°	4711.6	15.6
30°-40°	5924.2	19.6
40°-50°	5810.2	19.2
50°-60°	4814.0	15.9
60°-70°	3395.5	11.2
70°-80°	1481.4	4.9
80°-90°	370.1	1.2
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°	8489.6	28.0
0°-40°	14413.8	47.6
0°-60°	25038.1	82.7
0°-90°	30285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30285.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11432	11432	11432	11432	11432	
5°	11546	10747	9276	8411	8158	###
15°	11127	7727	10572	11171	11136	3146
25°	10422	9536	10445	10514	10540	4804
35°	9377	9372	9481	9544	9592	5875
45°	8032	8057	8189	7253	5089	6200
55°	6306	6512	4002	4550	4986	5642
65°	4153	4397	3650	2808	2059	4083
75°	1789	1754	1539	1006	1072	1919
85°	398	354	346	331	328	413
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11431.6	11431.6	11431.6	11431.6	11431.6
2.5°	11525.9	11286.7	10906.7	10428.3	10258.8
5°	11546.4	10746.7	9276.0	8410.7	8157.8
7.5°	11487.7	9766.7	8086.8	8268.5	8536.5
10°	11394.7	8905.5	8362.9	9839.1	10400.9
12.5°	11275.8	8140.1	9580.7	11114.5	11226.5
15°	11126.7	7727.3	10571.8	11170.6	11136.3
17.5°	11001.0	7969.2	10927.2	11058.4	11033.8
20°	10824.6	8451.7	10775.5	10880.7	10871.1
22.5°	10647.0	9023.0	10631.9	10707.2	10707.2
25°	10421.5	9535.7	10444.6	10514.4	10540.4
27.5°	10174.0	9830.9	10210.9	10268.3	10314.8
30°	9929.3	9873.4	9962.2	10036.0	10090.6
32.5°	9671.0	9649.2	9718.8	9796.8	9866.4
35°	9377.1	9371.6	9481.0	9543.8	9591.8
37.5°	9100.9	9081.9	9183.0	9270.5	9307.4
40°	8770.2	8770.2	8865.9	8954.7	8993.1
42.5°	8392.9	8446.3	8520.1	8611.6	7755.9
45°	8032.0	8056.7	8189.2	7253.0	5089.1
47.5°	7684.8	7716.2	7842.1	4662.6	4789.8
50°	7218.7	7360.9	7459.3	4649.0	4930.5
52.5°	6878.4	6939.8	6261.9	4602.5	4761.0
55°	6305.7	6512.0	4002.3	4550.5	4986.5
57.5°	5816.3	5966.7	3935.4	4662.6	4933.2
60°	5243.6	5473.2	3596.3	4498.6	3980.5
62.5°	4694.0	4912.7	3755.0	3540.4	3370.8
65°	4152.7	4397.4	3649.7	2807.7	2058.6
67.5°	3559.4	3331.3	2911.6	1978.0	2081.9
70°	2967.6	2326.6	2237.7	2211.7	2042.2
72.5°	2359.3	1697.7	1485.8	1659.5	1187.8
75°	1789.4	1753.8	1539.2	1006.0	1071.7
77.5°	1241.1	1265.8	824.2	981.4	814.6
80°	827.0	716.3	746.3	626.0	617.9
82.5°	572.7	585.0	490.7	475.6	482.6
85°	397.7	354.0	345.8	330.9	328.1
87.5°	132.5	154.5	143.6	129.9	138.1
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)