

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: P730935

Luminaire Tested: **HBLED-LD5-30SE-W-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-W-UNV-L740
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32847.0 lumens
Efficiency: N/A
Efficacy: 172.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

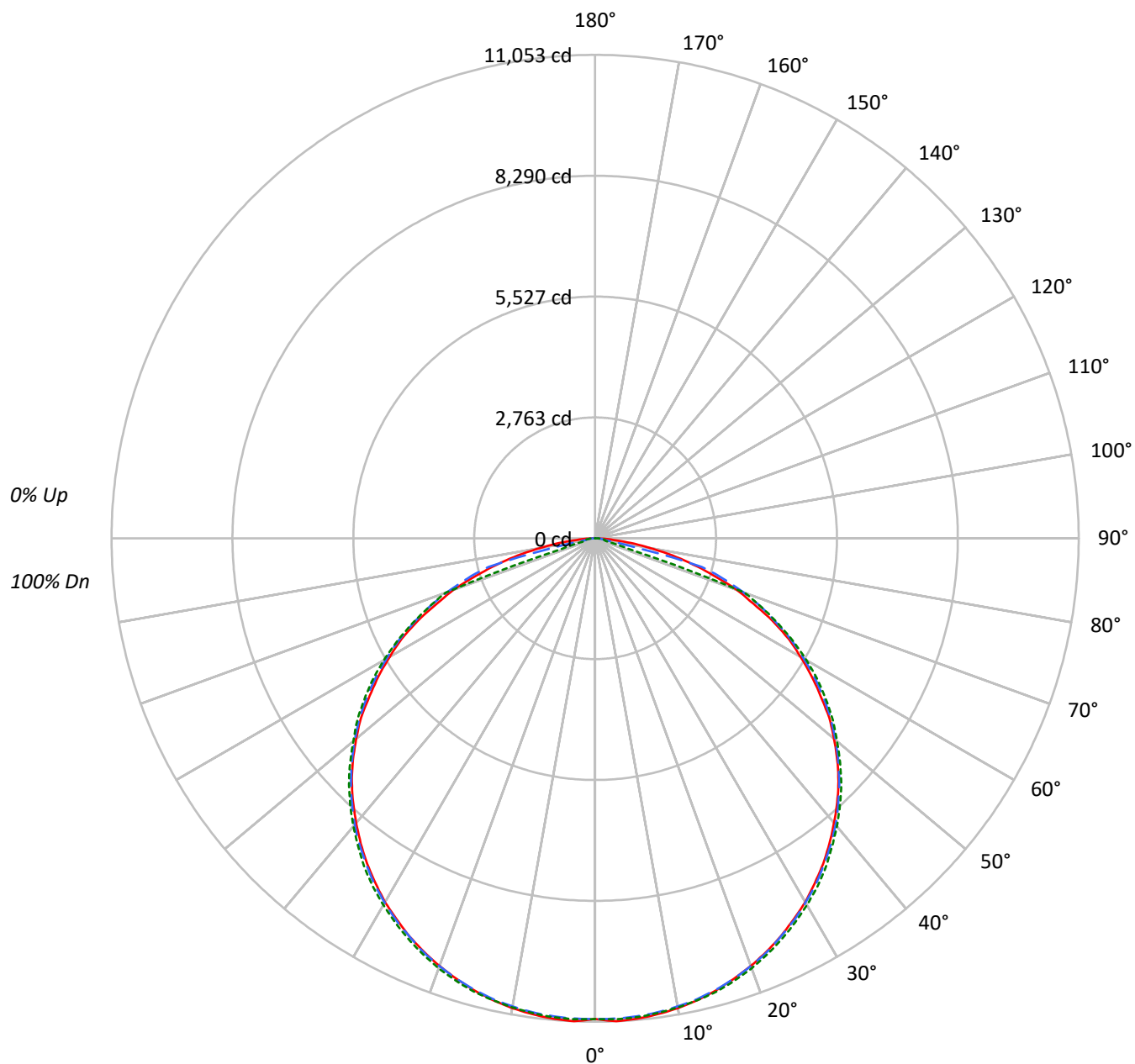
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17747	17747	17747
5°	17874	17783	17815
10°	17884	17820	17856
15°	17882	17857	17939
20°	17880	17884	17977
25°	17889	17898	18007
30°	17909	17931	18050
35°	17905	17963	18113
40°	17908	18021	18120
45°	17958	18025	18171
50°	17904	18008	18125
55°	17707	17955	18148
60°	17506	17790	18012
65°	17119	17474	17605
70°	16252	16946	17153
75°	14496	15718	1894
80°	11657	1958	2072
85°	7757	2540	2586



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1044.0	3.2
10°-20°	3016.5	9.2
20°-30°	4634.7	14.1
30°-40°	5705.5	17.4
40°-50°	6082.6	18.5
50°-60°	5686.0	17.3
60°-70°	4501.2	13.7
70°-80°	1915.1	5.8
80°-90°	261.5	0.8
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°	8695.2	26.5
0°-40°	14400.6	43.8
0°-60°	26169.2	79.7
0°-90°	32847.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	32847.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10992	10992	10992	10992	10992	
5°	11028	10979	10972	10928	10992	###
15°	10698	10678	10683	10654	10732	3021
25°	10042	10029	10046	10042	10108	4630
35°	9084	9069	9114	9145	9189	5684
45°	7865	7821	7894	7926	7958	6060
55°	6290	6310	6378	6400	6447	5633
65°	4481	4520	4574	4608	4608	4408
75°	2324	2424	2520	411	304	2458
85°	419	125	137	142	140	546
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10991.5	10991.5	10991.5	10991.5	10991.5
2.5°	11052.8	11001.3	10991.5	10947.5	11006.2
5°	11028.3	10979.3	10972.0	10927.9	10991.5
7.5°	10976.9	10937.7	10932.8	10886.3	10949.9
10°	10908.3	10871.6	10869.1	10827.5	10891.2
12.5°	10815.2	10783.4	10793.2	10751.6	10815.2
15°	10697.7	10678.1	10683.0	10653.6	10732.0
17.5°	10555.7	10545.9	10555.7	10533.7	10604.7
20°	10406.3	10394.1	10408.8	10396.5	10462.7
22.5°	10232.5	10217.8	10247.2	10230.0	10291.3
25°	10041.5	10029.3	10046.4	10041.5	10107.6
27.5°	9823.6	9811.3	9848.1	9850.5	9901.9
30°	9605.7	9588.5	9617.9	9630.2	9681.6
32.5°	9346.1	9341.2	9385.3	9395.1	9449.0
35°	9084.1	9069.4	9113.5	9145.3	9189.4
37.5°	8797.6	8795.2	8841.7	8868.7	8890.7
40°	8496.5	8484.2	8550.3	8577.3	8596.9
42.5°	8190.4	8163.5	8227.1	8261.4	8283.4
45°	7864.7	7820.7	7894.1	7926.0	7957.8
47.5°	7507.3	7468.1	7539.1	7573.4	7595.4
50°	7127.7	7091.0	7169.4	7198.7	7215.9
52.5°	6745.8	6709.0	6792.3	6816.8	6858.4
55°	6290.3	6309.9	6378.5	6400.5	6447.0
57.5°	5869.2	5886.3	5952.4	5979.4	6033.2
60°	5421.1	5448.0	5509.2	5536.2	5577.8
62.5°	4987.7	4990.1	5063.6	5075.8	5107.7
65°	4480.8	4520.0	4573.9	4608.2	4608.2
67.5°	3915.2	4010.7	4103.8	4096.4	4116.0
70°	3442.7	3479.4	3589.6	3606.7	3633.6
72.5°	2850.1	2945.6	3068.0	2291.8	778.6
75°	2323.7	2424.1	2519.6	411.4	303.6
77.5°	1804.6	1882.9	837.4	235.1	230.2
80°	1253.7	1378.5	210.6	215.5	222.8
82.5°	825.2	673.4	173.8	191.0	193.4
85°	418.7	124.9	137.1	142.0	139.6
87.5°	137.1	75.9	78.4	80.8	83.3
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)