

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: P730792

Luminaire Tested: **HBLED-LD5-24SE-W-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730792
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-LD5-24SE-W-UNV-L750
Description: 24000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26207.0 lumens
Efficiency: N/A
Efficacy: 174.7 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

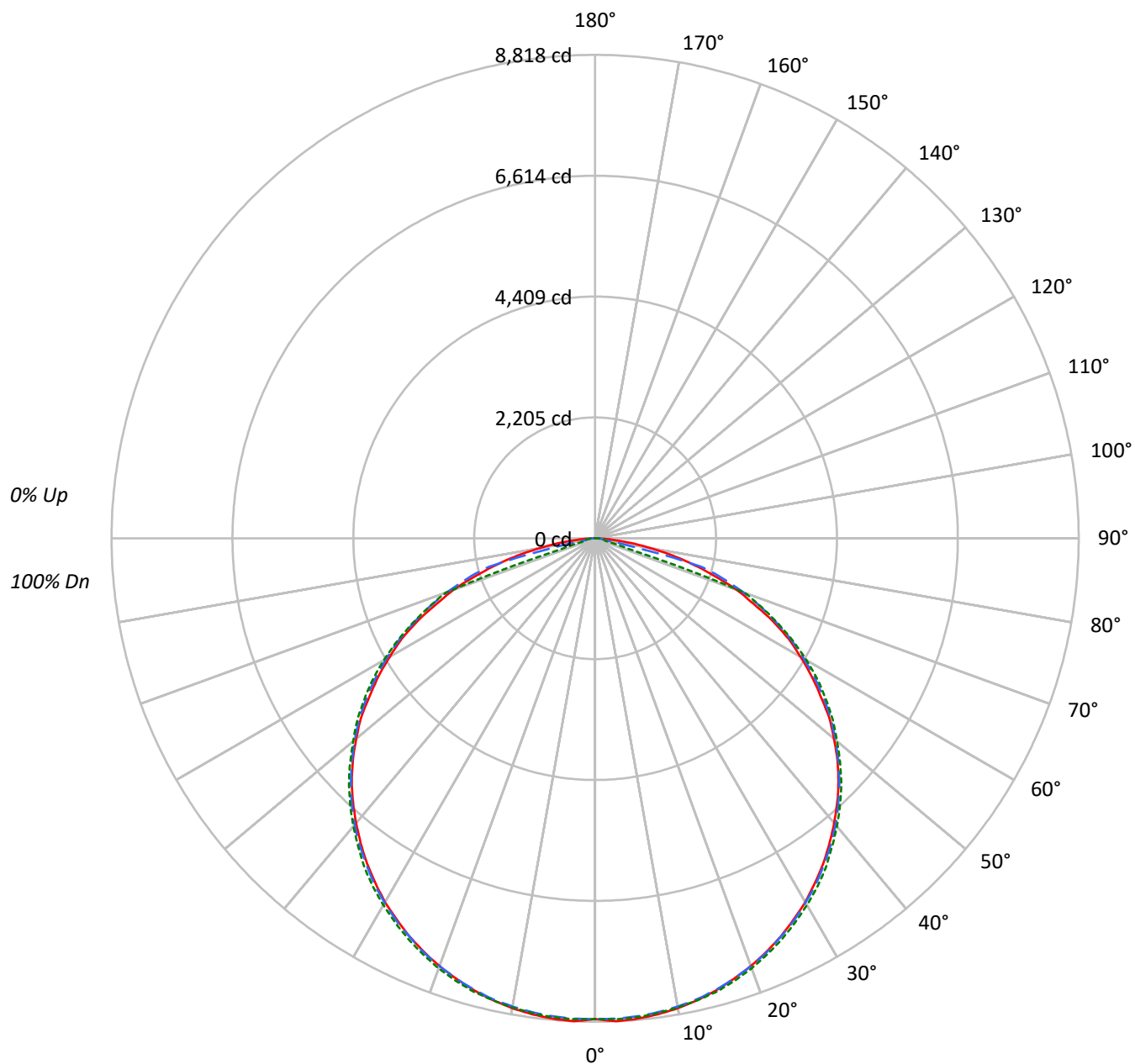
Input Watts (W): 150
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	14159	14159	14159
5°	14261	14188	14213
10°	14269	14218	14246
15°	14267	14247	14313
20°	14266	14269	14343
25°	14273	14280	14367
30°	14288	14307	14401
35°	14286	14332	14451
40°	14288	14378	14457
45°	14328	14381	14497
50°	14285	14368	14461
55°	14127	14326	14480
60°	13967	14194	14371
65°	13658	13942	14046
70°	12966	13520	13686
75°	11565	12540	1511
80°	9300	1562	1653
85°	6189	2027	2064



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	832.9	3.2
10°-20°	2406.7	9.2
20°-30°	3697.8	14.1
30°-40°	4552.1	17.4
40°-50°	4853.0	18.5
50°-60°	4536.6	17.3
60°-70°	3591.3	13.7
70°-80°	1527.9	5.8
80°-90°	208.6	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°	6937.4	26.5
0°-40°	11489.6	43.8
0°-60°	20879.2	79.7
0°-90°	26207.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26207.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8770	8770	8770	8770	8770	
5°	8799	8760	8754	8719	8770	837
15°	8535	8520	8524	8500	8562	2410
25°	8012	8002	8016	8012	8064	3694
35°	7248	7236	7271	7297	7332	4535
45°	6275	6240	6298	6324	6349	4835
55°	5019	5034	5089	5107	5144	4494
65°	3575	3606	3649	3677	3677	3517
75°	1854	1934	2010	328	242	1961
85°	334	100	109	113	111	436
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8769.6	8769.6	8769.6	8769.6	8769.6
2.5°	8818.5	8777.4	8769.6	8734.4	8781.3
5°	8798.9	8759.8	8754.0	8718.8	8769.6
7.5°	8757.9	8726.6	8722.7	8685.6	8736.4
10°	8703.2	8673.9	8671.9	8638.7	8689.5
12.5°	8629.0	8603.6	8611.4	8578.2	8629.0
15°	8535.2	8519.6	8523.5	8500.0	8562.5
17.5°	8421.9	8414.1	8421.9	8404.3	8460.9
20°	8302.7	8292.9	8304.7	8294.9	8347.6
22.5°	8164.0	8152.3	8175.7	8162.0	8210.9
25°	8011.6	8001.9	8015.5	8011.6	8064.4
27.5°	7837.8	7828.0	7857.3	7859.2	7900.3
30°	7663.9	7650.2	7673.7	7683.4	7724.4
32.5°	7456.8	7452.9	7488.1	7495.9	7538.9
35°	7247.8	7236.1	7271.2	7296.6	7331.8
37.5°	7019.2	7017.3	7054.4	7075.9	7093.4
40°	6778.9	6769.1	6821.9	6843.4	6859.0
42.5°	6534.7	6513.2	6564.0	6591.4	6609.0
45°	6274.9	6239.7	6298.3	6323.7	6349.1
47.5°	5989.7	5958.4	6015.1	6042.4	6060.0
50°	5686.9	5657.6	5720.1	5743.5	5757.2
52.5°	5382.1	5352.8	5419.2	5438.8	5472.0
55°	5018.7	5034.4	5089.1	5106.7	5143.8
57.5°	4682.7	4696.4	4749.1	4770.6	4813.6
60°	4325.2	4346.7	4395.6	4417.0	4450.3
62.5°	3979.4	3981.4	4040.0	4049.8	4075.2
65°	3575.0	3606.3	3649.3	3676.6	3676.6
67.5°	3123.8	3200.0	3274.2	3268.3	3284.0
70°	2746.7	2776.0	2863.9	2877.6	2899.1
72.5°	2274.0	2350.2	2447.8	1828.5	621.2
75°	1853.9	1934.0	2010.2	328.2	242.2
77.5°	1439.8	1502.3	668.1	187.5	183.6
80°	1000.2	1099.9	168.0	171.9	177.8
82.5°	658.4	537.2	138.7	152.4	154.3
85°	334.1	99.6	109.4	113.3	111.4
87.5°	109.4	60.6	62.5	64.5	66.4
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)