

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P980542

Luminaire Tested: UHBS2-1218-M-L83065-HIGH-3000K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-8)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-M-L83065-HIGH-3000K-FRR6
Description: UHBS2 LED High Bay at 3000K and HIGH lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

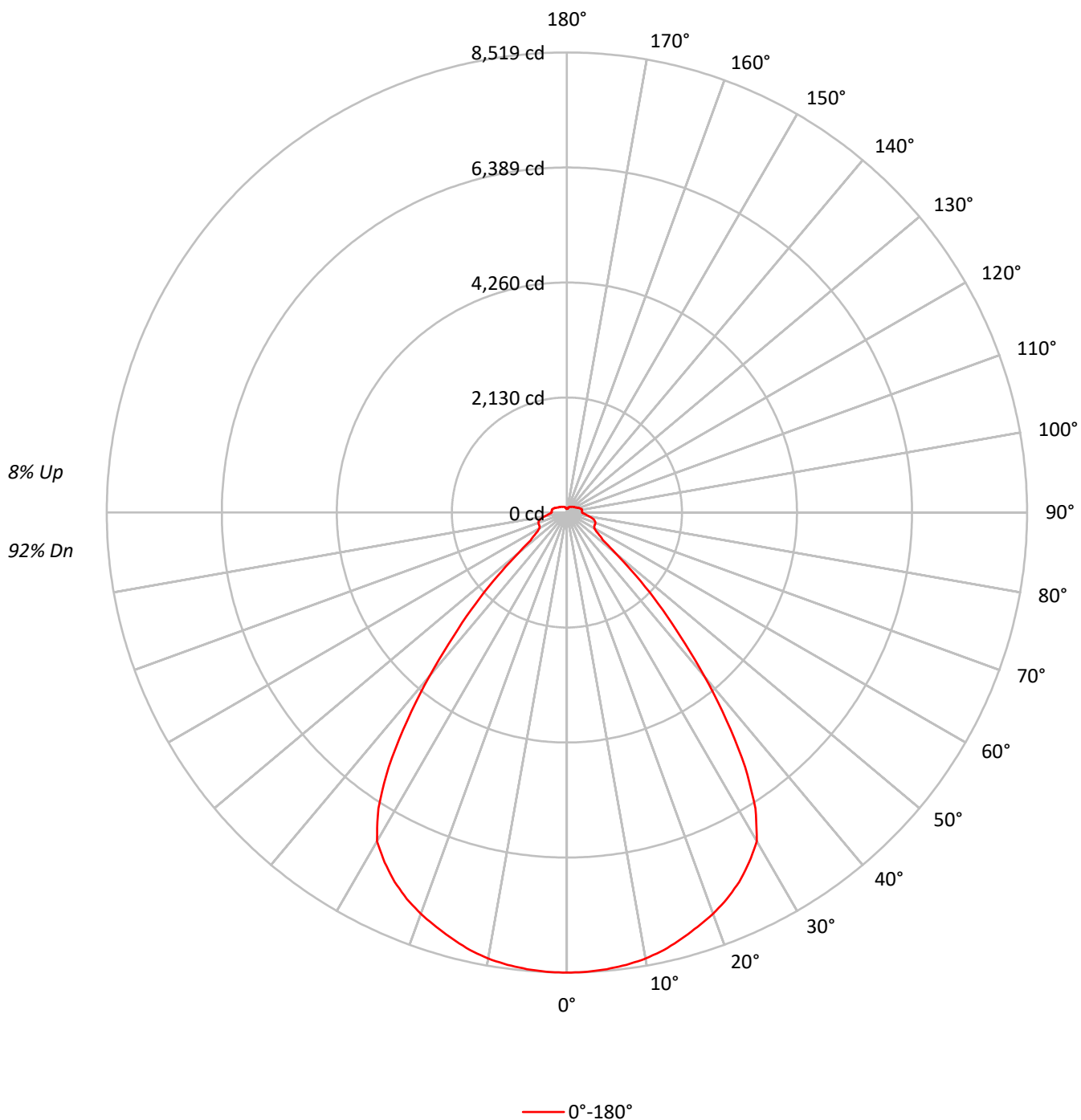
Lumens per Lamp: N/A
Luminaire Lumens: 15364.0 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 122
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 6.9
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 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	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	95	95	92
1	109	105	101	98	105	102	98	96	96	93	91	91	89	87	86	85	83	83	83	81
2	101	94	89	84	98	92	87	83	87	83	79	83	80	77	79	76	74	74	74	71
3	94	86	79	74	91	83	77	73	80	74	70	76	72	68	72	69	66	66	66	64
4	88	78	71	65	85	76	70	64	73	67	63	70	65	61	67	63	60	60	60	57
5	82	71	64	58	80	70	63	58	67	61	57	64	59	55	62	57	54	54	54	52
6	77	66	58	53	75	64	57	52	62	56	51	60	54	50	57	53	49	49	49	47
7	72	61	53	48	70	59	52	47	57	51	47	55	50	46	53	49	45	45	45	43
8	68	56	49	44	66	55	48	43	53	47	43	51	46	42	50	45	41	41	41	40
9	64	52	45	40	62	51	44	40	50	43	39	48	43	39	47	42	38	38	38	36
10	60	48	42	37	59	48	41	37	46	40	36	45	40	36	44	39	35	35	35	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	68979
5°	66162
10°	63490
15°	60607
20°	57846
25°	54890
30°	51257
35°	42347
40°	29650
45°	18408
50°	9320
55°	6097
60°	5156
65°	5270
70°	5668
75°	5740
80°	5256
85°	4704

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 18408 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	807.2	5.3
10°-20°	2308.1	15.0
20°-30°	3467.4	22.6
30°-40°	3511.2	22.9
40°-50°	1868.5	12.2
50°-60°	690.7	4.5
60°-70°	564.3	3.7
70°-80°	537.4	3.5
80°-90°	371.7	2.4
90°-100°	307.7	2.0
100°-110°	281.1	1.8
110°-120°	211.2	1.4
120°-130°	155.1	1.0
130°-140°	115.9	0.8
140°-150°	81.9	0.5
150°-160°	52.1	0.3
160°-170°	26.0	0.2
170°-180°	6.8	0.0
0°-30°	6582.6	42.8
0°-40°	10093.8	65.7
0°-60°	12653.0	82.4
0°-90°	14126.4	91.9
90°-120°	800.0	5.2
90°-150°	1152.8	7.5
90°-180°	1238.0	8.1
0°-180°	15364.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8519	
5°	8488	807
15°	8178	2308
25°	7546	3467
35°	5752	3511
45°	2394	1868
55°	734	691
65°	564	564
75°	518	537
85°	334	292
90°	281	156
95°	282	231
105°	268	281
115°	212	211
125°	171	155
135°	149	116
145°	130	82
155°	112	52
165°	90	26
175°	68	7
180°	67	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8519.1
2.5°	8515.4
5°	8488.5
7.5°	8448.2
10°	8388.3
12.5°	8297.8
15°	8178.0
17.5°	8044.7
20°	7908.9
22.5°	7745.1
25°	7545.8
27.5°	7306.1
30°	7031.0
32.5°	6496.6
35°	5752.0
37.5°	4860.5
40°	3956.9
42.5°	3104.6
45°	2394.2
47.5°	1738.8
50°	1171.4
52.5°	844.9
55°	733.7
57.5°	640.7
60°	588.2
62.5°	571.0
65°	563.7
67.5°	564.9
70°	561.3
72.5°	547.8
75°	518.5
77.5°	474.4
80°	425.5
82.5°	376.6
85°	333.8
87.5°	299.6
90°	281.2
92.5°	280.0
95°	282.5
97.5°	283.7
100°	282.5
102.5°	277.6
105°	267.8
107.5°	255.6
110°	239.7



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	225.0
115°	211.5
117.5°	199.3
120°	188.3
122.5°	179.7
125°	171.2
127.5°	165.1
130°	160.2
132.5°	154.1
135°	149.2
137.5°	144.3
140°	139.4
142.5°	134.5
145°	129.6
147.5°	125.9
150°	121.1
152.5°	117.4
155°	112.5
157.5°	106.4
160°	101.5
162.5°	96.6
165°	90.5
167.5°	85.6
170°	77.0
172.5°	69.7
175°	68.5
177.5°	68.5
180°	67.3

(END OF REPORT)