

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: P980551

Luminaire Tested: UHBS2-1218-M-L83065-HIGH-5000K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980551
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-5000K-FRR6
Description: UHBS2 LED High Bay at 5000K and HIGH lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

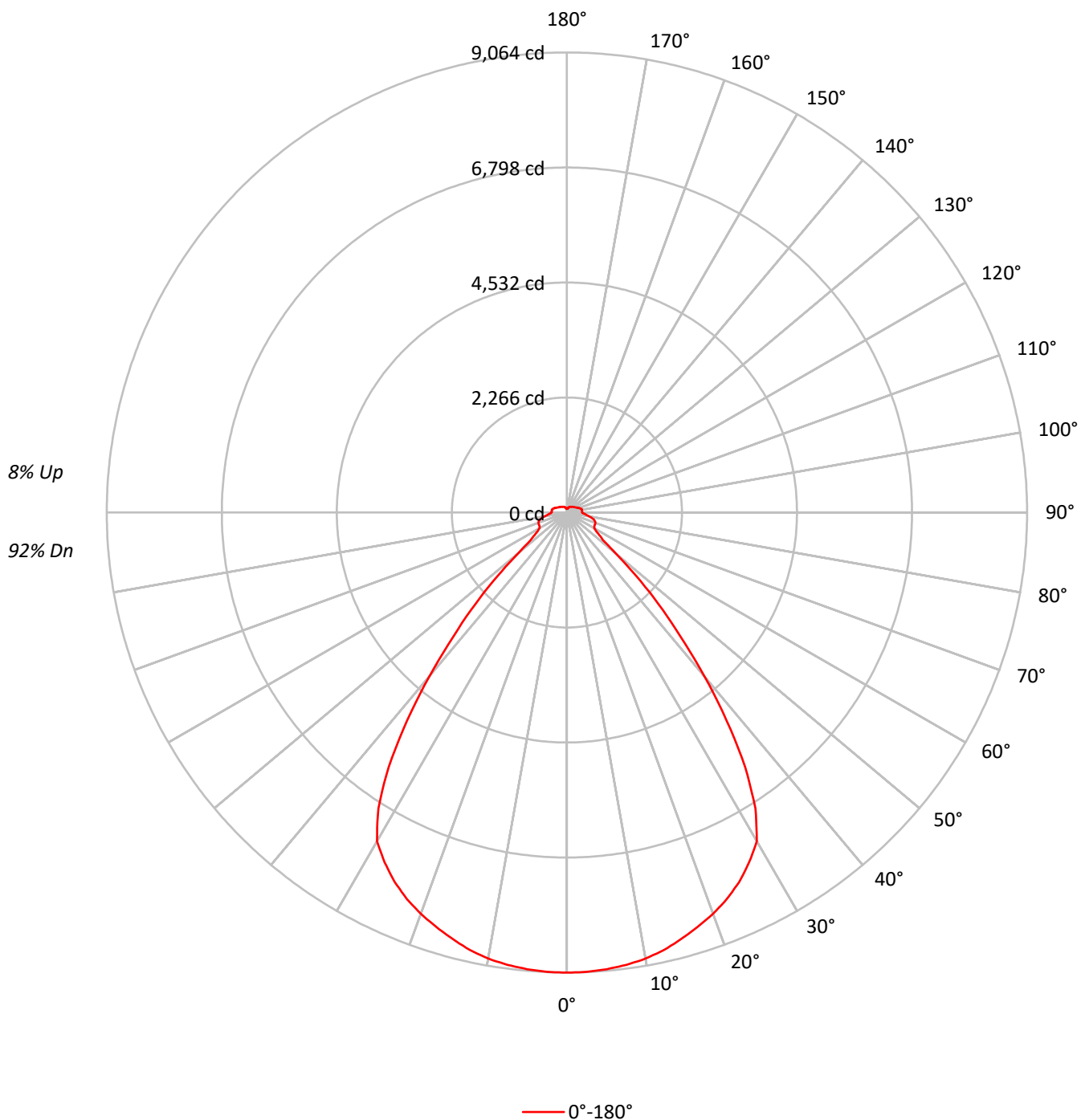
Lumens per Lamp: N/A
Luminaire Lumens: 16347.0 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 119.2
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				10
RW	70	50	30	10	70	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
1	109	105	101	98	105	102	98	96	96	93	91	91	89	87	86	85	83
2	101	94	89	84	98	92	87	83	87	83	79	83	80	77	79	76	74
3	94	86	79	74	91	83	77	73	80	74	70	76	72	68	72	69	66
4	88	78	71	65	85	76	70	64	73	67	63	70	65	61	67	63	60
5	82	71	64	58	80	70	63	58	67	61	57	64	59	55	62	58	54
6	77	66	58	53	75	64	57	52	62	56	51	60	54	50	57	53	49
7	72	61	53	48	70	59	52	47	57	51	47	55	50	46	53	49	45
8	68	56	49	44	66	55	48	43	53	47	43	51	46	42	50	45	41
9	64	52	45	40	62	51	44	40	50	43	39	48	43	39	47	42	38
10	60	48	42	37	59	48	41	37	46	40	36	45	40	36	44	39	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	73393
5°	70395
10°	67552
15°	64484
20°	61548
25°	58402
30°	54536
35°	45056
40°	31547
45°	19586
50°	9917
55°	6487
60°	5485
65°	5607
70°	6031
75°	6106
80°	5593
85°	5005

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19586 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	858.8	5.3
10°-20°	2455.8	15.0
20°-30°	3689.2	22.6
30°-40°	3735.9	22.9
40°-50°	1988.1	12.2
50°-60°	734.9	4.5
60°-70°	600.4	3.7
70°-80°	571.8	3.5
80°-90°	395.5	2.4
90°-100°	327.3	2.0
100°-110°	299.0	1.8
110°-120°	224.7	1.4
120°-130°	165.0	1.0
130°-140°	123.3	0.8
140°-150°	87.2	0.5
150°-160°	55.4	0.3
160°-170°	27.7	0.2
170°-180°	7.2	0.0
0°-30°	7003.8	42.8
0°-40°	10739.7	65.7
0°-60°	13462.6	82.4
0°-90°	15030.3	91.9
90°-120°	851.1	5.2
90°-150°	1226.5	7.5
90°-180°	1317.0	8.1
0°-180°	16347.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9064	
5°	9032	859
15°	8701	2456
25°	8029	3689
35°	6120	3736
45°	2547	1988
55°	781	735
65°	600	600
75°	552	572
85°	355	311
90°	299	166
95°	300	246
105°	285	299
115°	225	225
125°	182	165
135°	159	123
145°	138	87
155°	120	55
165°	96	28
175°	73	7
180°	72	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9064.2
2.5°	9060.3
5°	9031.6
7.5°	8988.7
10°	8925.0
12.5°	8828.7
15°	8701.2
17.5°	8559.4
20°	8415.0
22.5°	8240.6
25°	8028.6
27.5°	7773.6
30°	7480.8
32.5°	6912.3
35°	6120.0
37.5°	5171.5
40°	4210.1
42.5°	3303.3
45°	2547.4
47.5°	1850.0
50°	1246.4
52.5°	899.0
55°	780.6
57.5°	681.7
60°	625.8
62.5°	607.6
65°	599.8
67.5°	601.1
70°	597.2
72.5°	582.9
75°	551.6
77.5°	504.8
80°	452.8
82.5°	400.7
85°	355.2
87.5°	318.7
90°	299.2
92.5°	297.9
95°	300.5
97.5°	301.8
100°	300.5
102.5°	295.3
105°	284.9
107.5°	271.9
110°	255.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	239.4
115°	225.1
117.5°	212.1
120°	200.4
122.5°	191.2
125°	182.1
127.5°	175.6
130°	170.4
132.5°	163.9
135°	158.7
137.5°	153.5
140°	148.3
142.5°	143.1
145°	137.9
147.5°	134.0
150°	128.8
152.5°	124.9
155°	119.7
157.5°	113.2
160°	108.0
162.5°	102.8
165°	96.3
167.5°	91.1
170°	82.0
172.5°	74.2
175°	72.9
177.5°	72.9
180°	71.6

(END OF REPORT)