

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: P980584

Luminaire Tested: UHBS2-1218-M-L83065-MID-6500K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980584
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-MID-6500K-FRR6
Description: UHBS2 LED High Bay at 6500K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

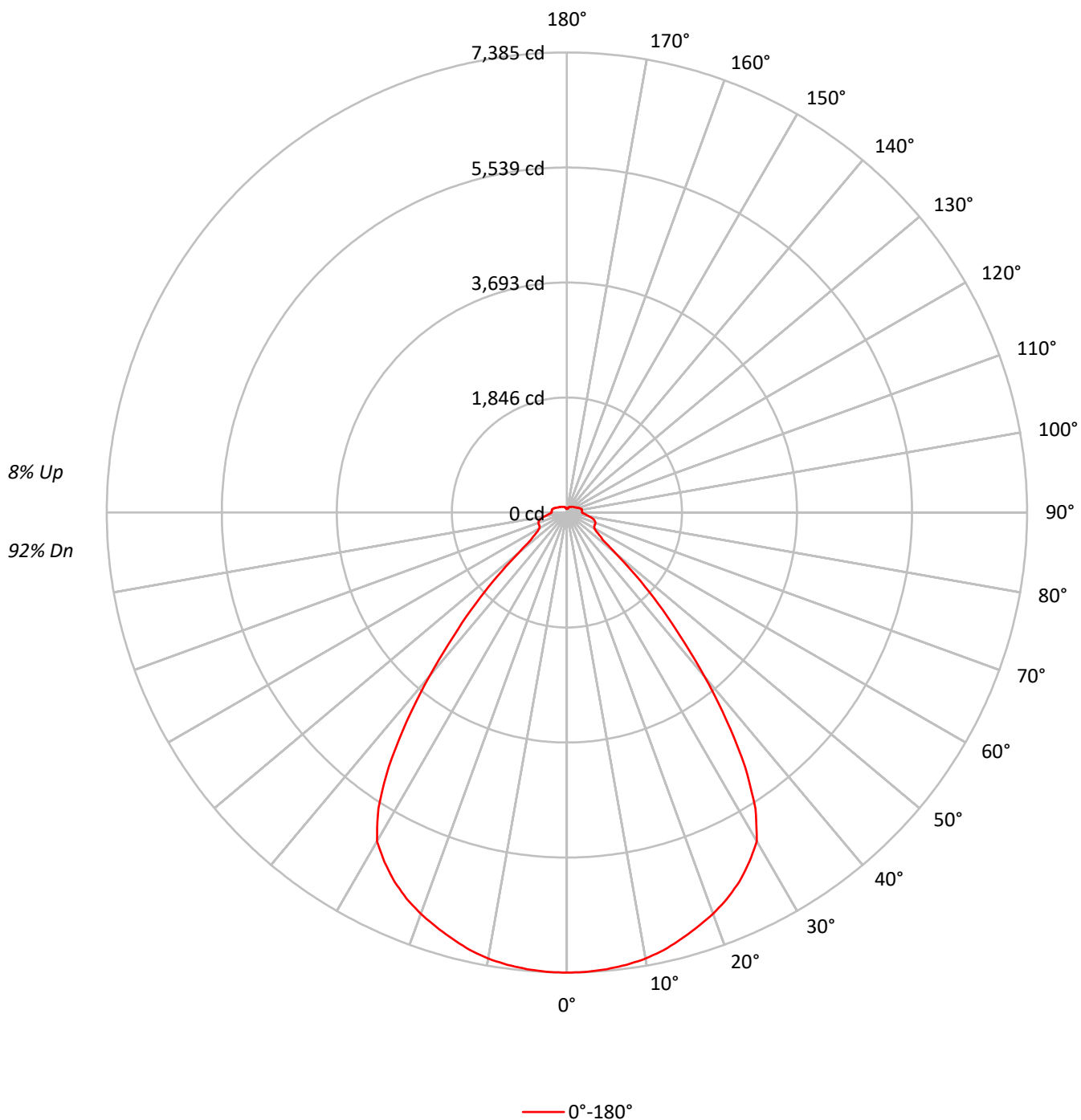
Lumens per Lamp: N/A
Luminaire Lumens: 13319.0 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 98.7
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.997
Total Harmonic Distortion (THDi): 7.15
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°	59798
5°	57356
10°	55039
15°	52539
20°	50146
25°	47584
30°	44434
35°	36711
40°	25703
45°	15958
50°	8080
55°	5285
60°	4469
65°	4569
70°	4914
75°	4976
80°	4557
85°	4078

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15958 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	699.7	5.3
10°-20°	2000.9	15.0
20°-30°	3005.8	22.6
30°-40°	3043.9	22.9
40°-50°	1619.8	12.2
50°-60°	598.8	4.5
60°-70°	489.2	3.7
70°-80°	465.9	3.5
80°-90°	322.2	2.4
90°-100°	266.7	2.0
100°-110°	243.6	1.8
110°-120°	183.1	1.4
120°-130°	134.4	1.0
130°-140°	100.4	0.8
140°-150°	71.0	0.5
150°-160°	45.1	0.3
160°-170°	22.5	0.2
170°-180°	5.9	0.0
0°-30°	5706.4	42.8
0°-40°	8750.3	65.7
0°-60°	10968.9	82.4
0°-90°	12246.2	91.9
90°-120°	693.4	5.2
90°-150°	999.3	7.5
90°-180°	1073.0	8.1
0°-180°	13319.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7385	
5°	7359	700
15°	7089	2001
25°	6541	3006
35°	4986	3044
45°	2076	1620
55°	636	599
65°	489	489
75°	450	466
85°	289	253
90°	244	136
95°	245	200
105°	232	244
115°	183	183
125°	148	134
135°	129	100
145°	112	71
155°	98	45
165°	78	23
175°	59	6
180°	58	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7385.2
2.5°	7382.0
5°	7358.7
7.5°	7323.7
10°	7271.8
12.5°	7193.3
15°	7089.4
17.5°	6973.9
20°	6856.2
22.5°	6714.2
25°	6541.4
27.5°	6333.6
30°	6095.1
32.5°	5631.9
35°	4986.4
37.5°	4213.6
40°	3430.2
42.5°	2691.4
45°	2075.5
47.5°	1507.4
50°	1015.5
52.5°	732.5
55°	636.0
57.5°	555.5
60°	509.9
62.5°	495.0
65°	488.7
67.5°	489.7
70°	486.6
72.5°	474.9
75°	449.5
77.5°	411.3
80°	368.9
82.5°	326.5
85°	289.4
87.5°	259.7
90°	243.8
92.5°	242.7
95°	244.9
97.5°	245.9
100°	244.9
102.5°	240.6
105°	232.1
107.5°	221.5
110°	207.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	195.0
115°	183.4
117.5°	172.8
120°	163.2
122.5°	155.8
125°	148.4
127.5°	143.1
130°	138.9
132.5°	133.6
135°	129.3
137.5°	125.1
140°	120.8
142.5°	116.6
145°	112.4
147.5°	109.2
150°	104.9
152.5°	101.8
155°	97.5
157.5°	92.2
160°	88.0
162.5°	83.7
165°	78.4
167.5°	74.2
170°	66.8
172.5°	60.4
175°	59.4
177.5°	59.4
180°	58.3

(END OF REPORT)