

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: P980609

Luminaire Tested: UHBS2-1218-N-L83065-MID-4000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-N-L83065-MID-4000K-CLR3
Description: UHBS2 LED High Bay at 4000K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

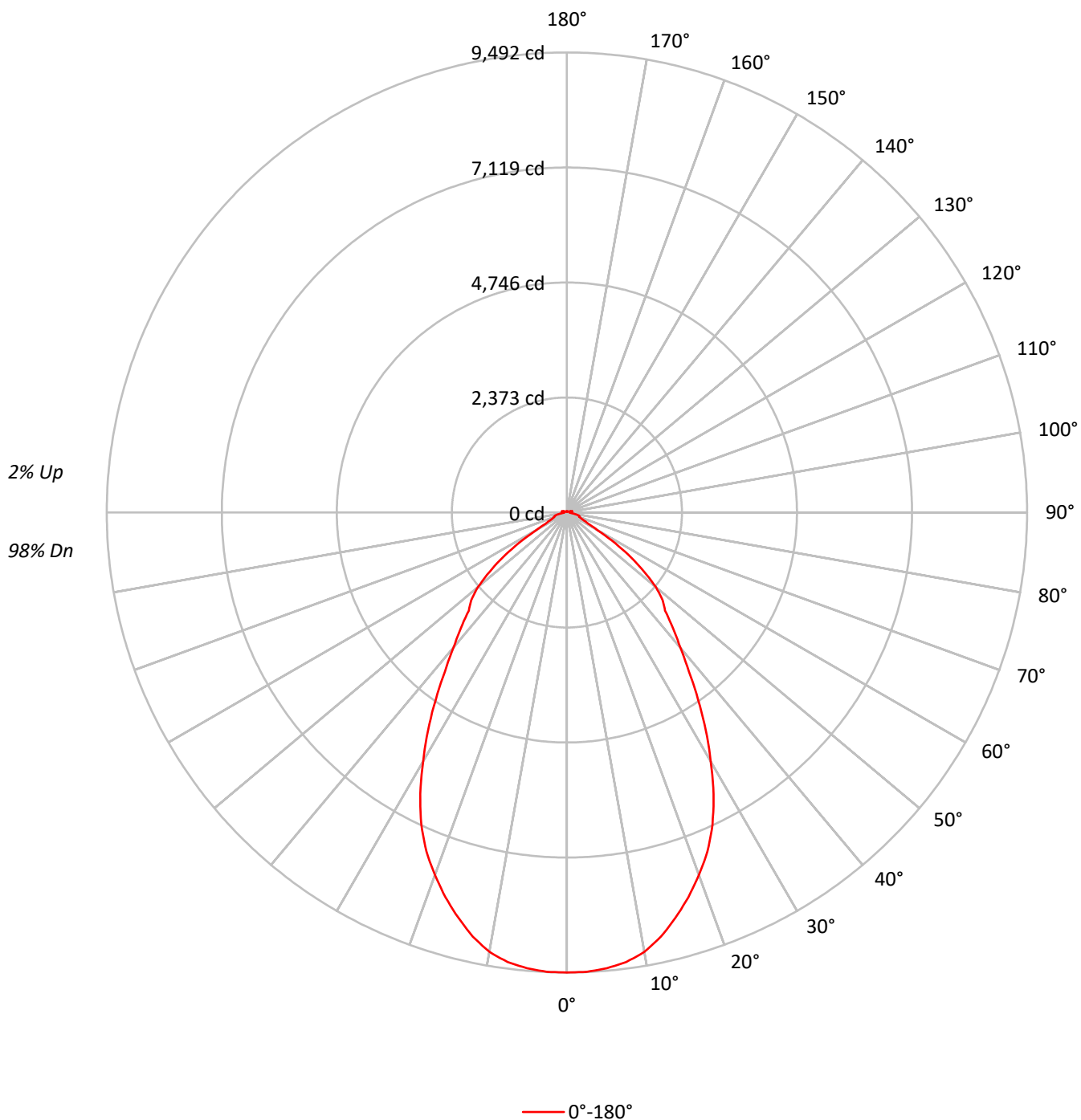
Lumens per Lamp: N/A
Luminaire Lumens: 14280.1 lumens
Efficiency: N/A
Efficacy: 148.0 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 96.5
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	0		
RCR																				
0	119	119	119	119	115	115	115	115	110	110	110	105	105	105	100	100	100	98		
1	111	107	104	101	108	105	102	100	101	98	96	96	94	93	93	91	90	88		
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	82	80	78		
3	97	88	82	77	94	87	81	76	84	79	74	81	76	73	78	75	72	70		
4	90	80	73	68	88	79	73	67	76	71	66	74	69	65	72	68	64	62		
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	62	58	56		
6	79	68	60	55	77	67	60	55	65	59	54	63	58	53	61	57	53	51		
7	74	62	55	50	72	61	54	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	44	41	39		
10	62	50	43	39	60	49	43	38	48	42	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95681
5°	93287
10°	89910
15°	84177
20°	77687
25°	70120
30°	59681
35°	48783
40°	38953
45°	32063
50°	28373
55°	20504
60°	9969
65°	5786
70°	4726
75°	4850
80°	3463
85°	2035

MAXIMUM LUMINANCE 45°-90°:

Luminance: 32063 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	893.9	6.3
10°-20°	2428.9	17.0
20°-30°	3233.6	22.6
30°-40°	2951.5	20.7
40°-50°	2271.4	15.9
50°-60°	1415.6	9.9
60°-70°	417.9	2.9
70°-80°	250.6	1.8
80°-90°	91.4	0.6
90°-100°	80.9	0.6
100°-110°	105.5	0.7
110°-120°	52.2	0.4
120°-130°	27.6	0.2
130°-140°	21.0	0.1
140°-150°	16.9	0.1
150°-160°	12.3	0.1
160°-170°	6.8	0.0
170°-180°	2.0	0.0
0°-30°	6556.4	45.9
0°-40°	9507.9	66.6
0°-60°	13194.9	92.4
0°-90°	13954.8	97.7
90°-120°	238.7	1.7
90°-150°	304.1	2.1
90°-180°	325.0	2.3
0°-180°	14280.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9492	
5°	9439	894
15°	8656	2429
25°	7107	3234
35°	4722	2952
45°	2863	2271
55°	1622	1416
65°	385	418
75°	251	251
85°	72	76
90°	54	31
95°	71	65
105°	105	106
115°	50	52
125°	30	28
135°	27	21
145°	27	17
155°	27	12
165°	23	7
175°	21	2
180°	22	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9491.7
2.5°	9484.7
5°	9439.1
7.5°	9356.1
10°	9206.5
12.5°	8965.7
15°	8655.9
17.5°	8325.0
20°	7961.4
22.5°	7575.6
25°	7106.8
27.5°	6551.5
30°	5935.4
32.5°	5334.5
35°	4721.9
37.5°	4132.7
40°	3638.2
42.5°	3237.2
45°	2863.1
47.5°	2678.4
50°	2397.8
52.5°	2007.3
55°	1621.5
57.5°	1183.1
60°	728.3
62.5°	488.7
65°	384.6
67.5°	316.8
70°	280.6
72.5°	268.9
75°	251.4
77.5°	212.8
80°	152.0
82.5°	101.7
85°	72.5
87.5°	58.5
90°	53.8
92.5°	59.6
95°	71.3
97.5°	87.7
100°	102.9
102.5°	109.9
105°	105.2
107.5°	93.5
110°	77.2



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	62.0
115°	50.3
117.5°	40.9
120°	35.1
122.5°	31.6
125°	30.4
127.5°	29.2
130°	28.1
132.5°	26.9
135°	26.9
137.5°	26.9
140°	26.9
142.5°	26.9
145°	26.9
147.5°	26.9
150°	26.9
152.5°	26.9
155°	26.9
157.5°	25.7
160°	25.7
162.5°	24.6
165°	23.4
167.5°	23.4
170°	22.2
172.5°	21.0
175°	21.0
177.5°	22.2
180°	22.2

(END OF REPORT)