

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: P980563

Luminaire Tested: UHBS2-1218-M-L83065-LOW-4000K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980563
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-LOW-4000K-FRR6
Description: UHBS2 LED High Bay at 4000K and LOW lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

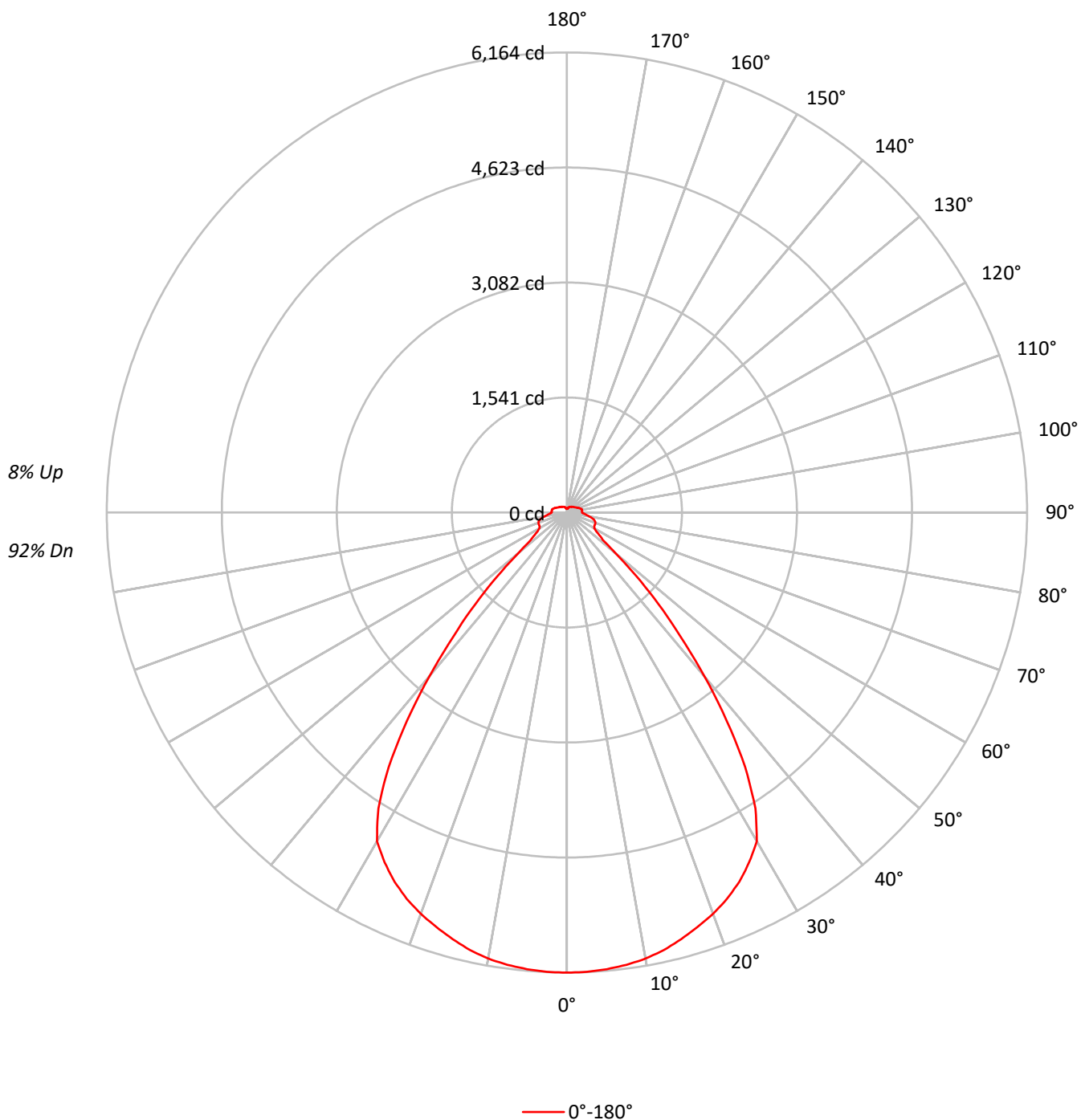
Lumens per Lamp: N/A
Luminaire Lumens: 11117.0 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 78.6
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.997
Total Harmonic Distortion (THDi): 7.2
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	57	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°	49912
5°	47873
10°	45939
15°	43854
20°	41856
25°	39717
30°	37088
35°	30641
40°	21454
45°	13320
50°	6744
55°	4412
60°	3730
65°	3813
70°	4101
75°	4152
80°	3803
85°	3403

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13320 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	584.0	5.3
10°-20°	1670.1	15.0
20°-30°	2508.9	22.6
30°-40°	2540.7	22.9
40°-50°	1352.0	12.2
50°-60°	499.8	4.5
60°-70°	408.3	3.7
70°-80°	388.9	3.5
80°-90°	268.9	2.4
90°-100°	222.6	2.0
100°-110°	203.3	1.8
110°-120°	152.8	1.4
120°-130°	112.2	1.0
130°-140°	83.8	0.8
140°-150°	59.3	0.5
150°-160°	37.7	0.3
160°-170°	18.8	0.2
170°-180°	4.9	0.0
0°-30°	4763.0	42.8
0°-40°	7303.6	65.7
0°-60°	9155.4	82.4
0°-90°	10221.5	91.9
90°-120°	578.8	5.2
90°-150°	834.1	7.5
90°-180°	896.0	8.1
0°-180°	11117.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6164	
5°	6142	584
15°	5917	1670
25°	5460	2509
35°	4162	2541
45°	1732	1352
55°	531	500
65°	408	408
75°	375	389
85°	242	211
90°	204	113
95°	204	167
105°	194	203
115°	153	153
125°	124	112
135°	108	84
145°	94	59
155°	81	38
165°	66	19
175°	50	5
180°	49	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6164.2
2.5°	6161.6
5°	6142.1
7.5°	6112.9
10°	6069.5
12.5°	6004.1
15°	5917.4
17.5°	5820.9
20°	5722.7
22.5°	5604.1
25°	5459.9
27.5°	5286.5
30°	5087.4
32.5°	4700.8
35°	4162.0
37.5°	3517.0
40°	2863.1
42.5°	2246.4
45°	1732.4
47.5°	1258.1
50°	847.6
52.5°	611.4
55°	530.9
57.5°	463.6
60°	425.6
62.5°	413.2
65°	407.9
67.5°	408.8
70°	406.1
72.5°	396.4
75°	375.1
77.5°	343.3
80°	307.9
82.5°	272.5
85°	241.5
87.5°	216.8
90°	203.5
92.5°	202.6
95°	204.4
97.5°	205.3
100°	204.4
102.5°	200.8
105°	193.8
107.5°	184.9
110°	173.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	162.8
115°	153.1
117.5°	144.2
120°	136.3
122.5°	130.1
125°	123.9
127.5°	119.4
130°	115.9
132.5°	111.5
135°	107.9
137.5°	104.4
140°	100.9
142.5°	97.3
145°	93.8
147.5°	91.1
150°	87.6
152.5°	84.9
155°	81.4
157.5°	77.0
160°	73.4
162.5°	69.9
165°	65.5
167.5°	61.9
170°	55.7
172.5°	50.4
175°	49.5
177.5°	49.5
180°	48.7

(END OF REPORT)