

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: P980560

Luminaire Tested: UHBS2-1218-M-L83065-LOW-3500K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980560
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-3500K-FRR6
Description: UHBS2 LED High Bay at 3500K and LOW lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

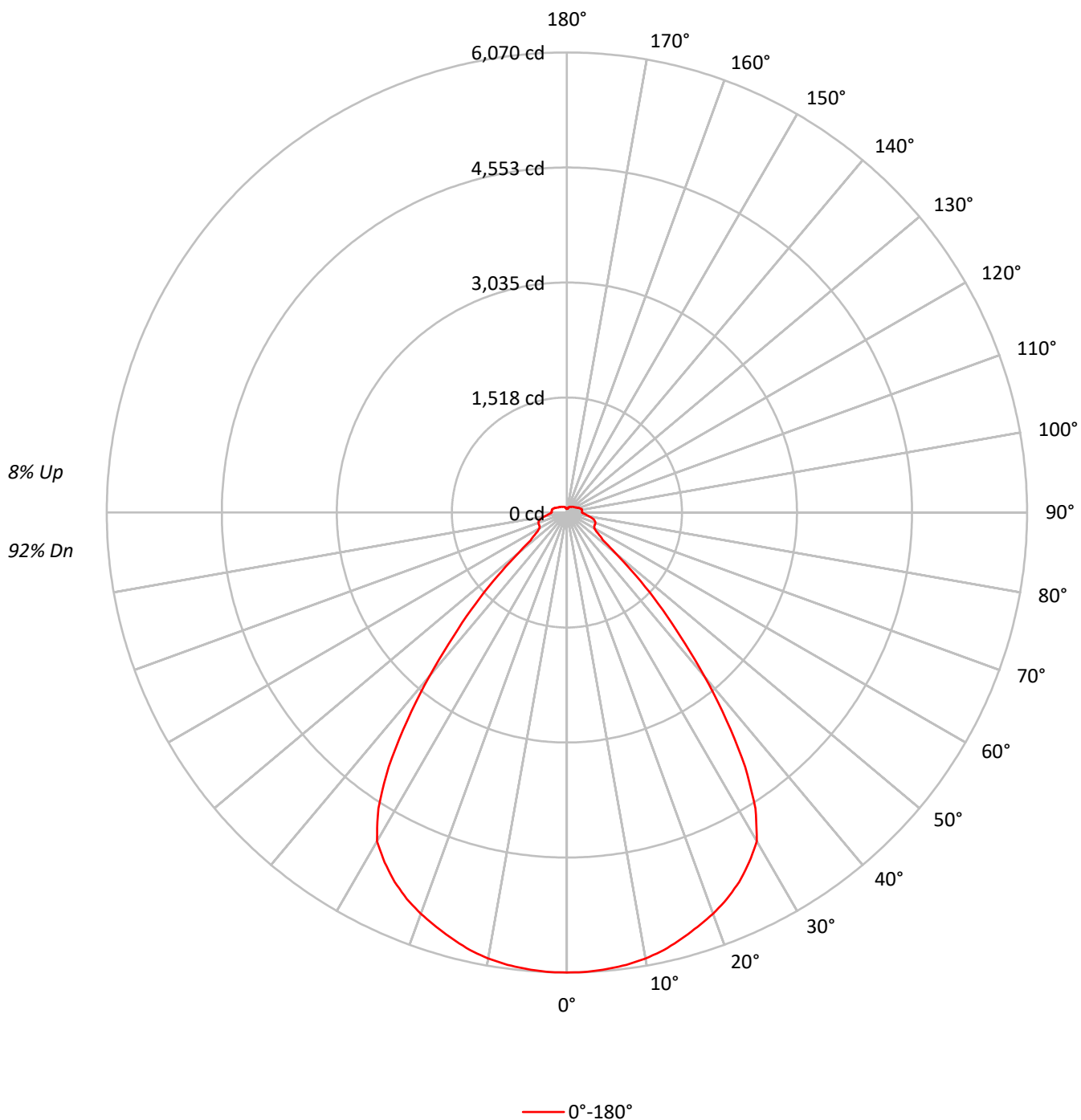
Lumens per Lamp: N/A
Luminaire Lumens: 10947.0 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 79.4
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
RCR																	
0	117	117	117	117	113	113	113	113	107	107	107		100	100	100		95
1	109	105	101	98	105	102	98	96	96	93	91		91	89	87		86
2	101	94	89	84	98	92	87	83	87	83	79		83	80	77		79
3	94	86	79	74	91	83	77	73	80	74	70		76	72	68		72
4	88	78	71	65	85	76	70	64	73	67	63		70	65	61		67
5	82	71	64	58	80	70	63	58	67	61	57		64	59	55		62
6	77	66	58	53	75	64	57	52	62	56	51		60	54	50		57
7	72	61	53	48	70	59	52	47	57	51	47		55	50	46		53
8	68	56	49	44	66	55	48	43	53	47	43		51	46	42		50
9	64	52	45	40	62	51	44	40	50	43	39		48	43	39		47
10	60	48	42	37	59	48	41	37	46	40	36		45	40	36		44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	49148
5°	47141
10°	45237
15°	43183
20°	41216
25°	39109
30°	36520
35°	30172
40°	21126
45°	13116
50°	6641
55°	4343
60°	3673
65°	3754
70°	4038
75°	4089
80°	3745
85°	3351

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13116 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	575.1	5.3
10°-20°	1644.5	15.0
20°-30°	2470.5	22.6
30°-40°	2501.8	22.9
40°-50°	1331.3	12.2
50°-60°	492.1	4.5
60°-70°	402.0	3.7
70°-80°	382.9	3.5
80°-90°	264.8	2.4
90°-100°	219.2	2.0
100°-110°	200.3	1.8
110°-120°	150.5	1.4
120°-130°	110.5	1.0
130°-140°	82.6	0.8
140°-150°	58.4	0.5
150°-160°	37.1	0.3
160°-170°	18.5	0.2
170°-180°	4.8	0.0
0°-30°	4690.2	42.8
0°-40°	7191.9	65.7
0°-60°	9015.4	82.4
0°-90°	10065.2	91.9
90°-120°	570.0	5.2
90°-150°	821.4	7.5
90°-180°	882.0	8.1
0°-180°	10947.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6070	
5°	6048	575
15°	5827	1645
25°	5376	2471
35°	4098	2502
45°	1706	1331
55°	523	492
65°	402	402
75°	369	383
85°	238	208
90°	200	112
95°	201	164
105°	191	200
115°	151	150
125°	122	110
135°	106	83
145°	92	58
155°	80	37
165°	64	19
175°	49	5
180°	48	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6069.9
2.5°	6067.3
5°	6048.2
7.5°	6019.4
10°	5976.7
12.5°	5912.3
15°	5826.9
17.5°	5731.9
20°	5635.2
22.5°	5518.5
25°	5376.4
27.5°	5205.7
30°	5009.6
32.5°	4628.9
35°	4098.3
37.5°	3463.2
40°	2819.3
42.5°	2212.1
45°	1705.9
47.5°	1238.9
50°	834.7
52.5°	602.0
55°	522.7
57.5°	456.5
60°	419.1
62.5°	406.9
65°	401.6
67.5°	402.5
70°	399.9
72.5°	390.3
75°	369.4
77.5°	338.0
80°	303.2
82.5°	268.3
85°	237.8
87.5°	213.5
90°	200.4
92.5°	199.5
95°	201.3
97.5°	202.1
100°	201.3
102.5°	197.8
105°	190.8
107.5°	182.1
110°	170.8



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	160.3
115°	150.7
117.5°	142.0
120°	134.2
122.5°	128.1
125°	122.0
127.5°	117.6
130°	114.1
132.5°	109.8
135°	106.3
137.5°	102.8
140°	99.3
142.5°	95.8
145°	92.4
147.5°	89.7
150°	86.3
152.5°	83.6
155°	80.2
157.5°	75.8
160°	72.3
162.5°	68.8
165°	64.5
167.5°	61.0
170°	54.9
172.5°	49.7
175°	48.8
177.5°	48.8
180°	47.9

(END OF REPORT)