

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: P980548

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980548
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-4000K-FRR6
Description: UHBS2 LED High Bay at 4000K and HIGH lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

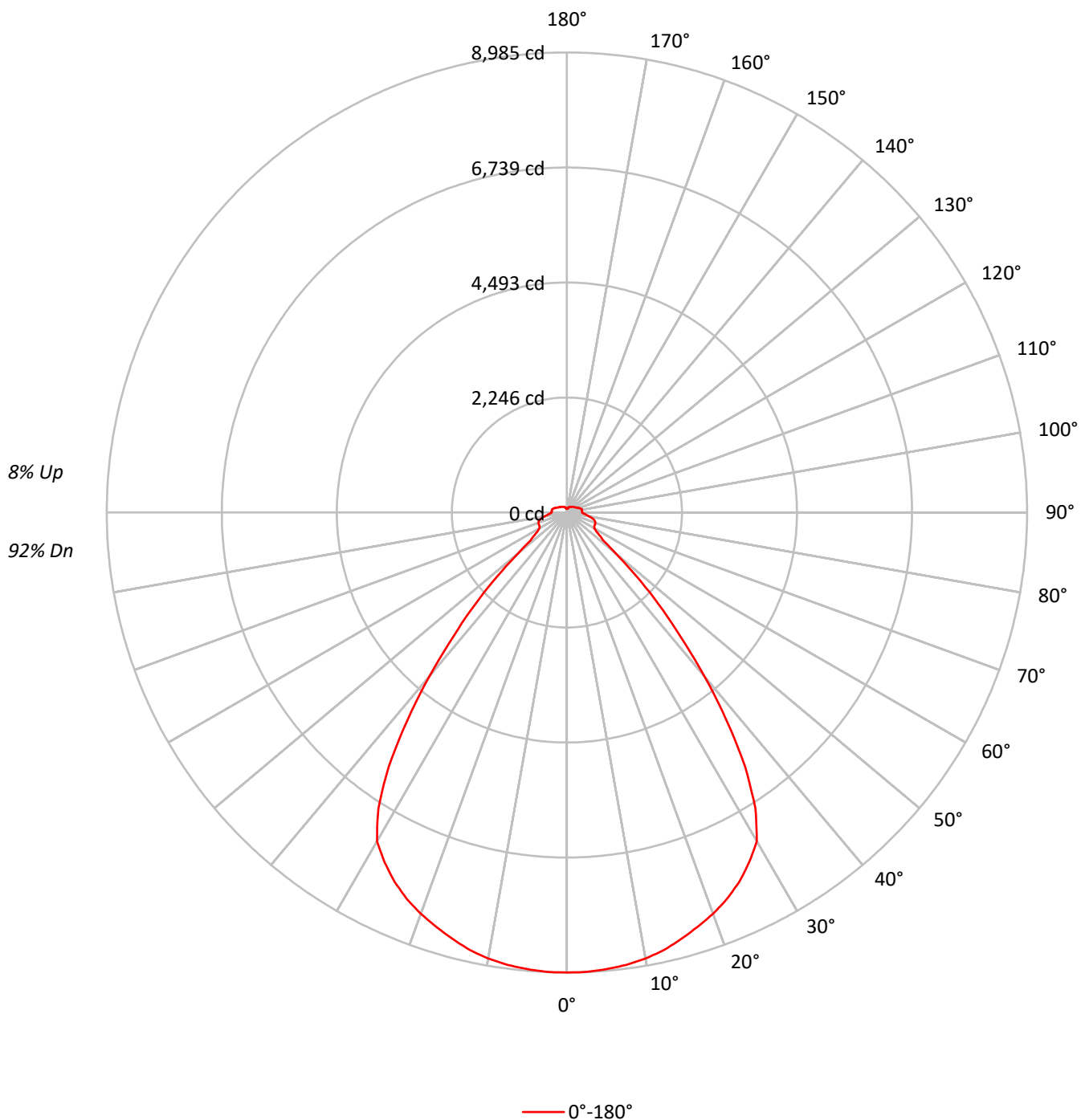
Lumens per Lamp: N/A
Luminaire Lumens: 16204.0 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 119.1
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°	72751
5°	69779
10°	66961
15°	63920
20°	61009
25°	57891
30°	54059
35°	44662
40°	31271
45°	19415
50°	9831
55°	6430
60°	5437
65°	5558
70°	5977
75°	6053
80°	5543
85°	4961

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19415 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	851.3	5.3
10°-20°	2434.3	15.0
20°-30°	3656.9	22.6
30°-40°	3703.2	22.9
40°-50°	1970.7	12.2
50°-60°	728.4	4.5
60°-70°	595.1	3.7
70°-80°	566.8	3.5
80°-90°	392.0	2.4
90°-100°	324.5	2.0
100°-110°	296.4	1.8
110°-120°	222.8	1.4
120°-130°	163.5	1.0
130°-140°	122.2	0.8
140°-150°	86.4	0.5
150°-160°	54.9	0.3
160°-170°	27.4	0.2
170°-180°	7.1	0.0
0°-30°	6942.5	42.8
0°-40°	10645.7	65.7
0°-60°	13344.8	82.4
0°-90°	14898.8	91.9
90°-120°	843.6	5.2
90°-150°	1215.8	7.5
90°-180°	1305.0	8.1
0°-180°	16204.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8985	
5°	8953	851
15°	8625	2434
25°	7958	3657
35°	6066	3703
45°	2525	1971
55°	774	728
65°	594	595
75°	547	567
85°	352	308
90°	297	165
95°	298	243
105°	282	296
115°	223	223
125°	180	164
135°	157	122
145°	137	86
155°	119	55
165°	95	27
175°	72	7
180°	71	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8984.9
2.5°	8981.0
5°	8952.6
7.5°	8910.1
10°	8846.9
12.5°	8751.5
15°	8625.1
17.5°	8484.5
20°	8341.3
22.5°	8168.5
25°	7958.3
27.5°	7705.6
30°	7415.4
32.5°	6851.8
35°	6066.4
37.5°	5126.3
40°	4173.3
42.5°	3274.4
45°	2525.1
47.5°	1833.9
50°	1235.5
52.5°	891.1
55°	773.8
57.5°	675.8
60°	620.3
62.5°	602.3
65°	594.5
67.5°	595.8
70°	591.9
72.5°	577.8
75°	546.8
77.5°	500.4
80°	448.8
82.5°	397.2
85°	352.1
87.5°	316.0
90°	296.6
92.5°	295.3
95°	297.9
97.5°	299.2
100°	297.9
102.5°	292.7
105°	282.4
107.5°	269.5
110°	252.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	237.3
115°	223.1
117.5°	210.2
120°	198.6
122.5°	189.6
125°	180.5
127.5°	174.1
130°	168.9
132.5°	162.5
135°	157.3
137.5°	152.2
140°	147.0
142.5°	141.9
145°	136.7
147.5°	132.8
150°	127.7
152.5°	123.8
155°	118.6
157.5°	112.2
160°	107.0
162.5°	101.9
165°	95.4
167.5°	90.3
170°	81.2
172.5°	73.5
175°	72.2
177.5°	72.2
180°	70.9

(END OF REPORT)