

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: P980592

Luminaire Tested: UHBS2-1218-N-L83065-HIGH-5000K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-9)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-N-L83065-HIGH-5000K-FRR6
Description: UHBS2 LED High Bay at 5000K and HIGH lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

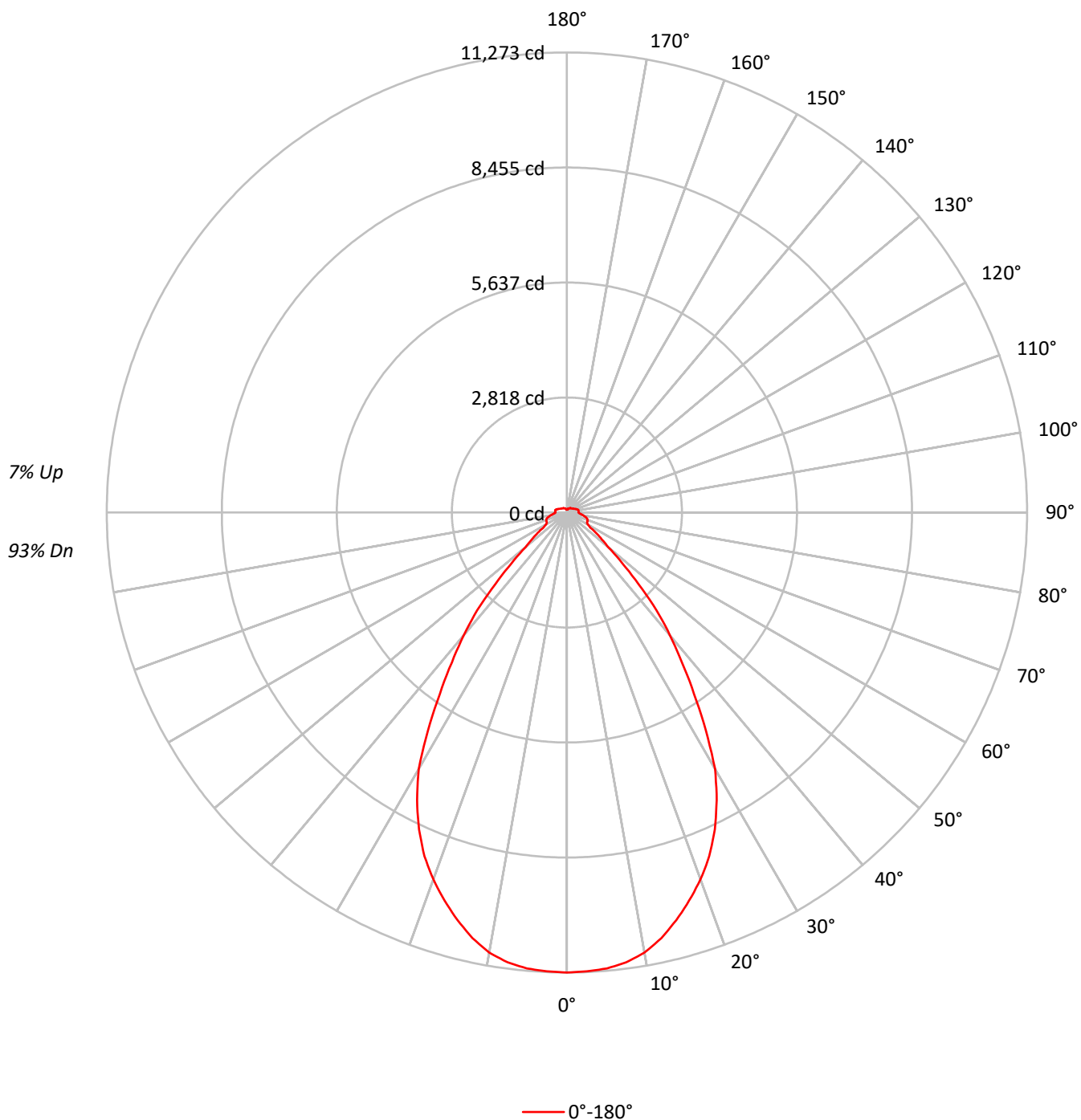
Lumens per Lamp: N/A
Luminaire Lumens: 16692.0 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 119.2
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	114	114	114	114	107	107	107	101	101	101	95	95	95
1	109	105	102	99	106	102	99	97	97	94	92	92	90	88	87	86	84
2	102	95	90	85	99	93	88	84	88	84	81	84	81	78	80	78	75
3	95	87	80	75	92	85	79	74	81	76	72	77	73	70	74	71	68
4	89	79	72	67	86	78	71	66	74	69	65	71	67	63	69	65	62
5	83	73	66	60	81	71	65	60	69	63	58	66	61	57	64	59	56
6	78	67	60	55	76	66	59	54	64	58	53	61	56	52	59	55	51
7	73	62	55	50	71	61	54	50	59	53	49	57	52	48	55	51	47
8	69	58	51	46	67	57	50	46	55	49	45	53	48	44	52	47	44
9	65	54	47	42	64	53	47	42	52	46	42	50	45	41	49	44	40
10	62	50	44	39	60	50	43	39	48	43	39	47	42	38	46	41	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	91279
5°	87409
10°	82875
15°	76668
20°	69991
25°	62353
30°	52886
35°	39982
40°	29433
45°	19054
50°	10514
55°	7212
60°	5185
65°	5088
70°	5453
75°	5453
80°	4964
85°	4561

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19054 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1062.2	6.4
10°-20°	2903.6	17.4
20°-30°	3908.3	23.4
30°-40°	3411.7	20.4
40°-50°	1945.8	11.7
50°-60°	795.7	4.8
60°-70°	548.7	3.3
70°-80°	511.5	3.1
80°-90°	360.3	2.2
90°-100°	313.6	1.9
100°-110°	287.3	1.7
110°-120°	210.7	1.3
120°-130°	152.5	0.9
130°-140°	114.1	0.7
140°-150°	81.2	0.5
150°-160°	51.8	0.3
160°-170°	26.1	0.2
170°-180°	6.9	0.0
0°-30°	7874.0	47.2
0°-40°	11285.7	67.6
0°-60°	14027.3	84.0
0°-90°	15447.8	92.5
90°-120°	811.6	4.9
90°-150°	1159.4	6.9
90°-180°	1244.0	7.5
0°-180°	16692.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11273	
5°	11214	###
15°	10345	2904
25°	8572	3908
35°	5431	3412
45°	2478	1946
55°	868	796
65°	544	549
75°	493	512
85°	324	281
90°	282	157
95°	287	236
105°	275	287
115°	211	211
125°	169	153
135°	146	114
145°	128	81
155°	112	52
165°	92	26
175°	71	7
180°	70	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11273.1
2.5°	11254.9
5°	11214.5
7.5°	11119.6
10°	10949.4
12.5°	10684.2
15°	10345.2
17.5°	9968.4
20°	9569.4
22.5°	9114.5
25°	8571.7
27.5°	7948.0
30°	7254.5
32.5°	6332.1
35°	5430.7
37.5°	4631.2
40°	3927.9
42.5°	3252.6
45°	2478.2
47.5°	1841.9
50°	1321.4
52.5°	1080.0
55°	867.9
57.5°	672.6
60°	591.6
62.5°	556.7
65°	544.2
67.5°	545.6
70°	540.0
72.5°	523.3
75°	492.6
77.5°	449.3
80°	401.9
82.5°	360.0
85°	323.7
87.5°	295.8
90°	281.9
92.5°	284.7
95°	287.4
97.5°	291.6
100°	290.2
102.5°	284.7
105°	274.9
107.5°	259.5
110°	242.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	226.0
115°	210.7
117.5°	196.7
120°	185.6
122.5°	177.2
125°	168.8
127.5°	161.9
130°	156.3
132.5°	152.1
135°	146.5
137.5°	142.3
140°	138.1
142.5°	134.0
145°	128.4
147.5°	124.2
150°	120.0
152.5°	115.8
155°	111.6
157.5°	107.4
160°	101.9
162.5°	96.3
165°	92.1
167.5°	85.1
170°	78.1
172.5°	71.2
175°	71.2
177.5°	69.8
180°	69.8

(END OF REPORT)