

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: P980732

Luminaire Tested: UHBS2-2436-N-L83065-MID-5000K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980732
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: UHBS2-2436-N-L83065-MID-5000K-FRR6
Description: UHBS2 LED High Bay at 5000K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

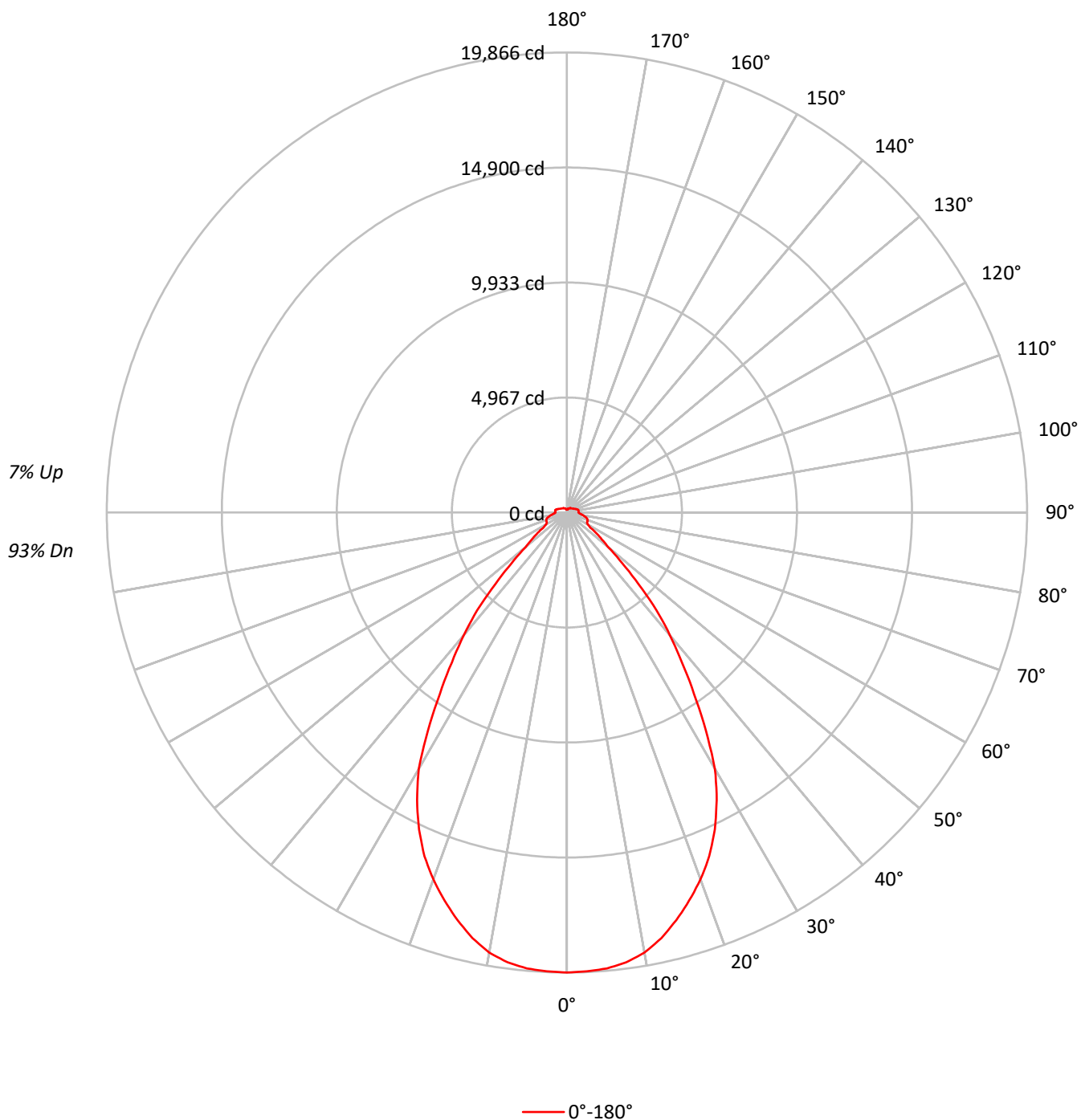
Lumens per Lamp: N/A
Luminaire Lumens: 29415.0 lumens
Efficiency: N/A
Efficacy: 154.0 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')
CIE Type: Direct

Input Watts (W): 191
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 5.15
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
RCR																	
0	117	117	117	117	114	114	114	114	107	107	107		101	101	101		95
1	109	105	102	99	106	102	99	97	97	94	92		92	90	88		87
2	102	95	90	85	99	93	88	84	88	84	81		84	81	78		80
3	95	87	80	75	92	85	79	74	81	76	72		77	73	70		74
4	89	79	72	67	86	78	71	66	74	69	65		71	67	63		69
5	83	73	66	60	81	71	65	60	69	63	58		66	61	57		64
6	78	67	60	55	76	66	59	54	64	58	53		61	56	52		59
7	73	62	55	50	71	61	54	50	59	53	49		57	52	48		55
8	69	58	51	46	67	57	50	46	55	49	45		53	48	44		52
9	65	54	47	42	64	53	47	42	52	46	42		50	45	41		49
10	62	50	44	39	60	50	43	39	48	43	39		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	125652
5°	120901
10°	115145
15°	106979
20°	98069
25°	87726
30°	74713
35°	56719
40°	41935
45°	27270
50°	15120
55°	10426
60°	7541
65°	7446
70°	8042
75°	8115
80°	7471
85°	6966

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27270 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1871.9	6.4
10°-20°	5116.7	17.4
20°-30°	6887.2	23.4
30°-40°	6012.1	20.4
40°-50°	3429.0	11.7
50°-60°	1402.2	4.8
60°-70°	967.0	3.3
70°-80°	901.4	3.1
80°-90°	634.9	2.2
90°-100°	552.6	1.9
100°-110°	506.3	1.7
110°-120°	371.3	1.3
120°-130°	268.7	0.9
130°-140°	201.0	0.7
140°-150°	143.1	0.5
150°-160°	91.3	0.3
160°-170°	46.0	0.2
170°-180°	12.2	0.0
0°-30°	13875.8	47.2
0°-40°	19887.9	67.6
0°-60°	24719.1	84.0
0°-90°	27222.4	92.5
90°-120°	1430.3	4.9
90°-150°	2043.1	6.9
90°-180°	2193.0	7.5
0°-180°	29415.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19866	
5°	19762	###
15°	18230	5117
25°	15105	6887
35°	9570	6012
45°	4367	3429
55°	1530	1402
65°	959	967
75°	868	901
85°	570	495
90°	497	276
95°	506	416
105°	484	506
115°	371	371
125°	298	269
135°	258	201
145°	226	143
155°	197	91
165°	162	46
175°	125	12
180°	123	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19865.7
2.5°	19833.7
5°	19762.4
7.5°	19595.2
10°	19295.2
12.5°	18828.0
15°	18230.5
17.5°	17566.6
20°	16863.3
22.5°	16061.7
25°	15105.2
27.5°	14006.0
30°	12784.0
32.5°	11158.6
35°	9570.1
37.5°	8161.2
40°	6921.9
42.5°	5731.8
45°	4367.1
47.5°	3245.8
50°	2328.6
52.5°	1903.2
55°	1529.5
57.5°	1185.2
60°	1042.6
62.5°	981.1
65°	959.0
67.5°	961.4
70°	951.6
72.5°	922.1
75°	868.0
77.5°	791.8
80°	708.2
82.5°	634.4
85°	570.5
87.5°	521.3
90°	496.7
92.5°	501.6
95°	506.5
97.5°	513.9
100°	511.5
102.5°	501.6
105°	484.4
107.5°	457.4
110°	427.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	398.3
115°	371.3
117.5°	346.7
120°	327.0
122.5°	312.3
125°	297.5
127.5°	285.2
130°	275.4
132.5°	268.0
135°	258.2
137.5°	250.8
140°	243.4
142.5°	236.1
145°	226.2
147.5°	218.8
150°	211.5
152.5°	204.1
155°	196.7
157.5°	189.3
160°	179.5
162.5°	169.7
165°	162.3
167.5°	150.0
170°	137.7
172.5°	125.4
175°	125.4
177.5°	122.9
180°	122.9

(END OF REPORT)