

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: P1175838

Luminaire Tested: UHBS2-2436-N-L83065-MID-4000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-3)
Test Lab: INNOVATION CENTER
Issue Date: 8/26/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-N-L83065-MID-4000K-CLR6
Description: UHBS2 LED High Bay at 4000K and MID lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

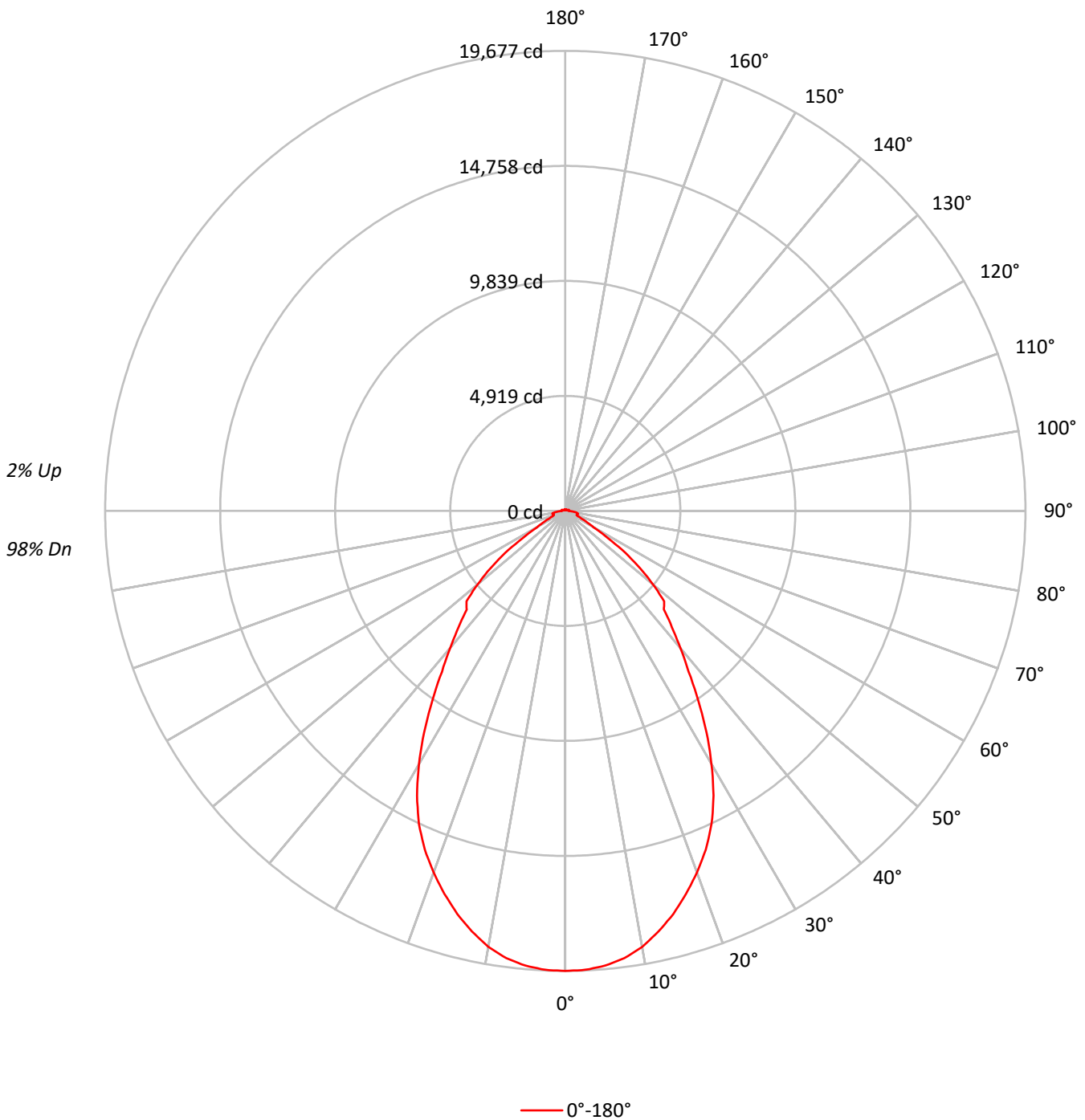
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29677.1 lumens
Efficiency: N/A
Efficacy: 156.2 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')
CIE Type: Direct

Input Watts (W): 190
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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	100	100	100	98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	89	89	89	87
2	103	97	92	87	101	95	90	86	91	87	84	88	85	82	85	82	80	80	80	80	78
3	96	88	82	77	94	86	81	76	83	78	74	81	76	73	78	74	71	71	71	71	69
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64	64	64	64	62
5	84	73	66	61	82	72	65	60	70	64	60	68	63	59	66	62	58	58	58	58	56
6	79	67	60	55	77	67	60	54	65	58	54	63	57	53	61	56	53	53	53	53	51
7	74	62	55	50	72	61	54	49	60	54	49	58	53	49	57	52	48	48	48	48	46
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	44	44	44	42
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	44	41	41	41	41	39
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	38	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	124456
5°	119461
10°	112972
15°	104725
20°	95709
25°	85935
30°	73098
35°	58774
40°	46332
45°	37245
50°	31800
55°	21452
60°	10063
65°	5789
70°	4341
75°	5129
80°	5576
85°	3928

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 37245 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1845.3	6.2
10°-20°	5006.0	16.9
20°-30°	6738.5	22.7
30°-40°	6204.6	20.9
40°-50°	4759.4	16.0
50°-60°	2771.0	9.3
60°-70°	810.5	2.7
70°-80°	570.0	1.9
80°-90°	356.9	1.2
90°-100°	150.3	0.5
100°-110°	167.6	0.6
110°-120°	113.3	0.4
120°-130°	64.3	0.2
130°-140°	41.8	0.1
140°-150°	35.6	0.1
150°-160°	26.1	0.1
160°-170°	12.5	0.0
170°-180°	3.2	0.0
0°-30°	13589.8	45.8
0°-40°	19794.4	66.7
0°-60°	27324.9	92.1
0°-90°	29062.3	97.9
90°-120°	431.1	1.5
90°-150°	572.9	1.9
90°-180°	615.0	2.1
0°-180°	29677.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19677	
5°	19527	###
15°	17846	5006
25°	14797	6739
35°	9917	6205
45°	5965	4759
55°	3147	2771
65°	746	811
75°	549	570
85°	322	308
90°	142	86
95°	130	113
105°	165	168
115°	112	113
125°	70	64
135°	52	42
145°	57	36
155°	57	26
165°	42	12
175°	32	3
180°	30	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19676.6
2.5°	19649.2
5°	19527.0
7.5°	19300.1
10°	18931.0
12.5°	18429.8
15°	17846.3
17.5°	17175.6
20°	16457.4
22.5°	15684.4
25°	14796.7
27.5°	13729.5
30°	12507.6
32.5°	11238.4
35°	9916.8
37.5°	8662.6
40°	7647.7
42.5°	6750.0
45°	5964.6
47.5°	5730.2
50°	4897.3
52.5°	4042.0
55°	3146.9
57.5°	2159.4
60°	1391.4
62.5°	1019.9
65°	745.6
67.5°	571.0
70°	513.7
72.5°	521.2
75°	548.6
77.5°	563.5
80°	528.6
82.5°	438.9
85°	321.7
87.5°	214.4
90°	142.1
92.5°	127.2
95°	129.7
97.5°	144.6
100°	157.1
102.5°	164.6
105°	164.6
107.5°	154.6
110°	142.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	127.2
115°	112.2
117.5°	99.7
120°	89.8
122.5°	79.8
125°	69.8
127.5°	62.3
130°	57.4
132.5°	54.9
135°	52.4
137.5°	52.4
140°	54.9
142.5°	54.9
145°	57.4
147.5°	57.4
150°	59.8
152.5°	59.8
155°	57.4
157.5°	52.4
160°	49.9
162.5°	47.4
165°	42.4
167.5°	39.9
170°	37.4
172.5°	34.9
175°	32.4
177.5°	29.9
180°	29.9

(END OF REPORT)