

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: P1175816

Luminaire Tested: UHBS2-2436-M-L83065-LOW-3000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/26/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-M-L83065-LOW-3000K-CLR6
Description: UHBS2 LED High Bay at 3000K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

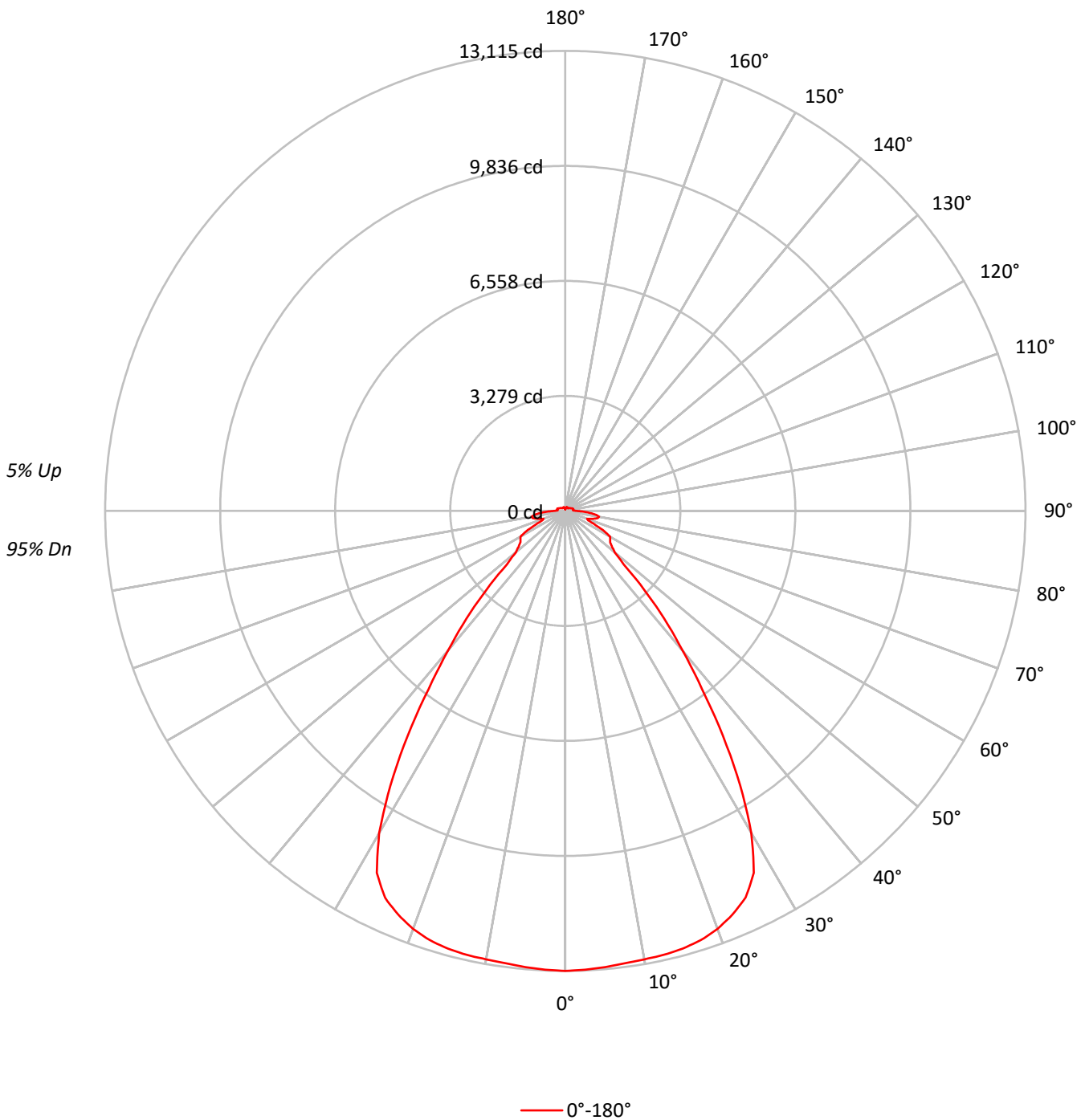
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22890.0 lumens
Efficiency: N/A
Efficacy: 146.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')
CIE Type: Direct

Input Watts (W): 156
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 5.2
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			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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	95
1	109	105	101	98	106	102	99	96	97	95	92	93	90	88	88	87	85	88	87	85	83
2	101	94	89	84	99	92	87	83	88	84	80	84	81	78	81	78	75	81	78	75	73
3	94	86	79	73	92	84	78	73	80	75	71	77	73	69	74	70	67	74	70	67	65
4	88	78	71	65	86	77	70	64	74	68	63	71	66	62	68	64	61	68	64	61	59
5	82	72	64	58	80	70	63	58	68	62	57	65	60	56	63	59	55	63	59	55	53
6	77	66	58	53	75	65	58	52	63	56	52	61	55	51	59	54	50	59	54	50	48
7	72	61	53	48	71	60	53	48	58	52	47	56	51	47	55	50	46	55	50	46	44
8	68	56	49	44	66	56	49	44	54	48	43	52	47	43	51	46	42	51	46	42	41
9	64	52	45	40	63	52	45	40	50	44	40	49	43	39	48	43	39	48	43	39	37
10	61	49	42	37	59	48	42	37	47	41	37	46	40	37	45	40	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82951
5°	79865
10°	77468
15°	75827
20°	73763
25°	70651
30°	61988
35°	46423
40°	31499
45°	19812
50°	11955
55°	10636
60°	10661
65°	7242
70°	5588
75°	7985
80°	10294
85°	8942

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19812 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1243.5	5.4
10°-20°	3649.3	15.9
20°-30°	5517.2	24.1
30°-40°	4865.1	21.3
40°-50°	2502.2	10.9
50°-60°	1435.4	6.3
60°-70°	978.0	4.3
70°-80°	891.1	3.9
80°-90°	760.8	3.3
90°-100°	260.9	1.1
100°-110°	241.8	1.1
110°-120°	180.7	0.8
120°-130°	125.7	0.5
130°-140°	85.9	0.4
140°-150°	67.6	0.3
150°-160°	52.3	0.2
160°-170°	26.5	0.1
170°-180°	6.0	0.0
0°-30°	10410.0	45.5
0°-40°	15275.1	66.7
0°-60°	19212.6	83.9
0°-90°	21842.5	95.4
90°-120°	683.4	3.0
90°-150°	962.6	4.2
90°-180°	1047.0	4.6
0°-180°	22890.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13115	
5°	13055	###
15°	12922	3649
25°	12165	5517
35°	7833	4865
45°	3173	2502
55°	1560	1435
65°	933	978
75°	854	891
85°	732	646
90°	324	192
95°	217	183
105°	234	242
115°	180	181
125°	140	126
135°	109	86
145°	107	68
155°	114	52
165°	92	26
175°	58	6
180°	49	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13114.6
2.5°	13094.0
5°	13054.7
7.5°	13006.0
10°	12981.6
12.5°	12964.8
15°	12921.7
17.5°	12833.7
20°	12683.8
22.5°	12455.3
25°	12165.0
27.5°	11634.9
30°	10606.7
32.5°	9280.6
35°	7832.8
37.5°	6394.4
40°	5199.4
42.5°	4165.5
45°	3172.8
47.5°	2258.8
50°	1841.1
52.5°	1678.2
55°	1560.2
57.5°	1517.1
60°	1474.0
62.5°	1258.6
65°	932.7
67.5°	706.1
70°	661.2
72.5°	738.0
75°	854.1
77.5°	953.3
80°	975.8
82.5°	899.0
85°	732.3
87.5°	511.3
90°	324.0
92.5°	241.6
95°	217.3
97.5°	221.0
100°	228.5
102.5°	236.0
105°	234.1
107.5°	224.8
110°	209.8



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	194.8
115°	179.8
117.5°	168.6
120°	157.3
122.5°	149.8
125°	140.5
127.5°	129.2
130°	121.7
132.5°	114.3
135°	108.6
137.5°	106.8
140°	104.9
142.5°	106.8
145°	106.8
147.5°	108.6
150°	112.4
152.5°	114.3
155°	114.3
157.5°	112.4
160°	108.6
162.5°	101.1
165°	91.8
167.5°	82.4
170°	73.0
172.5°	65.6
175°	58.1
177.5°	52.4
180°	48.7

(END OF REPORT)