

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: P1175841

Luminaire Tested: UHBS2-2436-W-L83065-HIGH-3000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175841
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-W-L83065-HIGH-3000K-CLR6
Description: UHBS2 LED High Bay at 3000K and HIGH lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

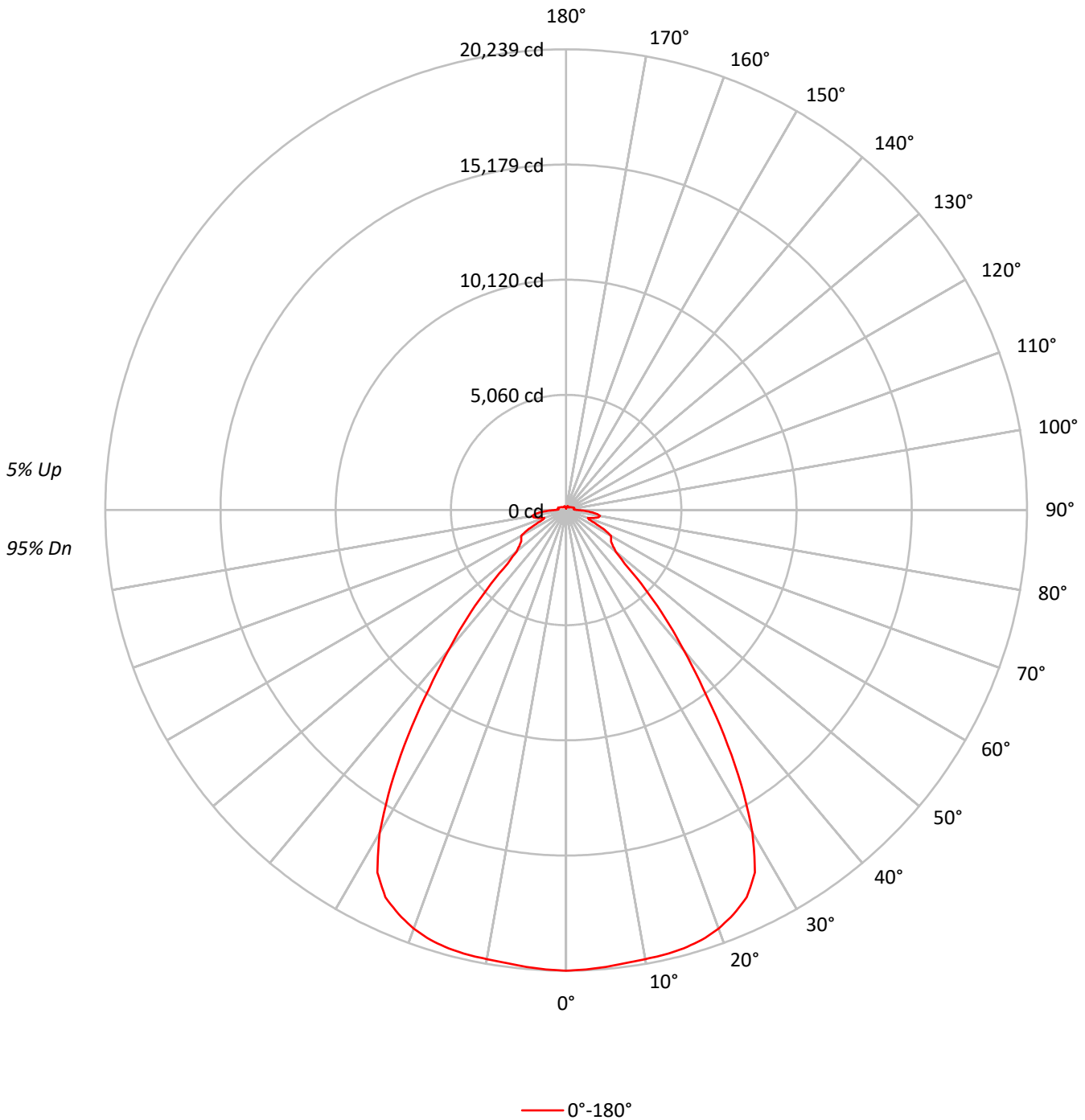
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35325.0 lumens
Efficiency: N/A
Efficacy: 147.6 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): 239.4
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.999
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				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°	128014
5°	123252
10°	119553
15°	117019
20°	113835
25°	109031
30°	95664
35°	71642
40°	48611
45°	30576
50°	18449
55°	16414
60°	16452
65°	11177
70°	8623
75°	12323
80°	15886
85°	13800

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30576 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1919.1	5.4
10°-20°	5631.8	15.9
20°-30°	8514.4	24.1
30°-40°	7508.0	21.3
40°-50°	3861.5	10.9
50°-60°	2215.2	6.3
60°-70°	1509.4	4.3
70°-80°	1375.2	3.9
80°-90°	1174.2	3.3
90°-100°	402.6	1.1
100°-110°	373.2	1.1
110°-120°	278.8	0.8
120°-130°	194.0	0.5
130°-140°	132.6	0.4
140°-150°	104.3	0.3
150°-160°	80.7	0.2
160°-170°	40.9	0.1
170°-180°	9.3	0.0
0°-30°	16065.2	45.5
0°-40°	23573.2	66.7
0°-60°	29649.9	83.9
0°-90°	33708.6	95.4
90°-120°	1054.6	3.0
90°-150°	1485.5	4.2
90°-180°	1616.0	4.6
0°-180°	35325.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20239	
5°	20147	###
15°	19941	5632
25°	18774	8514
35°	12088	7508
45°	4896	3862
55°	2408	2215
65°	1440	1509
75°	1318	1375
85°	1130	997
90°	500	296
95°	335	283
105°	361	373
115°	278	279
125°	217	194
135°	168	133
145°	165	104
155°	176	81
165°	142	41
175°	90	9
180°	75	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20239.1
2.5°	20207.3
5°	20146.6
7.5°	20071.5
10°	20033.9
12.5°	20007.9
15°	19941.4
17.5°	19805.5
20°	19574.3
22.5°	19221.7
25°	18773.6
27.5°	17955.6
30°	16368.8
32.5°	14322.3
35°	12088.0
37.5°	9868.1
40°	8024.0
42.5°	6428.4
45°	4896.5
47.5°	3485.9
50°	2841.3
52.5°	2589.9
55°	2407.8
57.5°	2341.3
60°	2274.8
62.5°	1942.4
65°	1439.5
67.5°	1089.7
70°	1020.3
72.5°	1138.8
75°	1318.1
77.5°	1471.3
80°	1505.9
82.5°	1387.4
85°	1130.2
87.5°	789.1
90°	500.1
92.5°	372.9
95°	335.3
97.5°	341.1
100°	352.6
102.5°	364.2
105°	361.3
107.5°	346.9
110°	323.7



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	300.6
115°	277.5
117.5°	260.1
120°	242.8
122.5°	231.2
125°	216.8
127.5°	199.4
130°	187.9
132.5°	176.3
135°	167.6
137.5°	164.8
140°	161.9
142.5°	164.8
145°	164.8
147.5°	167.6
150°	173.4
152.5°	176.3
155°	176.3
157.5°	173.4
160°	167.6
162.5°	156.1
165°	141.6
167.5°	127.2
170°	112.7
172.5°	101.2
175°	89.6
177.5°	80.9
180°	75.2

(END OF REPORT)