

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: P1175851

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

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175851
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-MID-3000K-CLR6
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

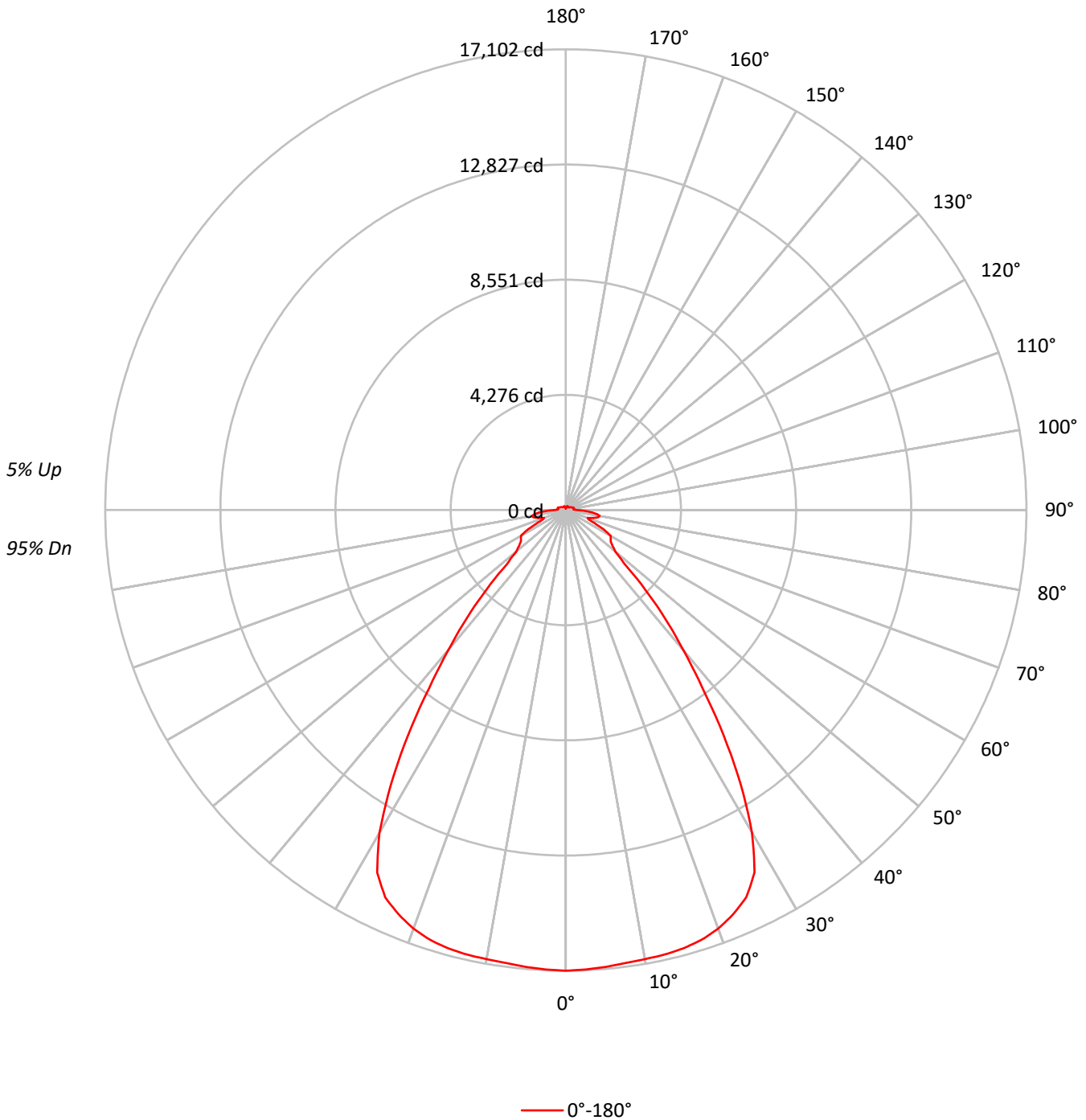
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29850.0 lumens
Efficiency: N/A
Efficacy: 153.4 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): 194.6
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	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°	108173
5°	104149
10°	101024
15°	98883
20°	96192
25°	92133
30°	80837
35°	60538
40°	41077
45°	25837
50°	15590
55°	13870
60°	13902
65°	9445
70°	7287
75°	10413
80°	13424
85°	11661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25837 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1621.6	5.4
10°-20°	4758.9	15.9
20°-30°	7194.7	24.1
30°-40°	6344.4	21.3
40°-50°	3263.0	10.9
50°-60°	1871.8	6.3
60°-70°	1275.4	4.3
70°-80°	1162.0	3.9
80°-90°	992.2	3.3
90°-100°	340.2	1.1
100°-110°	315.4	1.1
110°-120°	235.6	0.8
120°-130°	164.0	0.5
130°-140°	112.1	0.4
140°-150°	88.1	0.3
150°-160°	68.2	0.2
160°-170°	34.5	0.1
170°-180°	7.9	0.0
0°-30°	13575.3	45.5
0°-40°	19919.6	66.7
0°-60°	25054.5	83.9
0°-90°	28484.1	95.4
90°-120°	891.2	3.0
90°-150°	1255.3	4.2
90°-180°	1366.0	4.6
0°-180°	29850.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17102	
5°	17024	###
15°	16851	4759
25°	15864	7195
35°	10214	6344
45°	4138	3263
55°	2035	1872
65°	1216	1275
75°	1114	1162
85°	955	843
90°	422	250
95°	283	239
105°	305	315
115°	234	236
125°	183	164
135°	142	112
145°	139	88
155°	149	68
165°	120	35
175°	76	8
180°	64	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17102.3
2.5°	17075.4
5°	17024.1
7.5°	16960.6
10°	16928.9
12.5°	16906.9
15°	16850.7
17.5°	16735.9
20°	16540.5
22.5°	16242.5
25°	15863.9
27.5°	15172.7
30°	13831.8
32.5°	12102.5
35°	10214.5
37.5°	8338.6
40°	6780.3
42.5°	5432.1
45°	4137.6
47.5°	2945.6
50°	2401.0
52.5°	2188.5
55°	2034.6
57.5°	1978.4
60°	1922.2
62.5°	1641.3
65°	1216.4
67.5°	920.8
70°	862.2
72.5°	962.3
75°	1113.8
77.5°	1243.2
80°	1272.5
82.5°	1172.4
85°	955.0
87.5°	666.8
90°	422.5
92.5°	315.1
95°	283.3
97.5°	288.2
100°	298.0
102.5°	307.8
105°	305.3
107.5°	293.1
110°	273.6



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	254.0
115°	234.5
117.5°	219.8
120°	205.2
122.5°	195.4
125°	183.2
127.5°	168.5
130°	158.8
132.5°	149.0
135°	141.7
137.5°	139.2
140°	136.8
142.5°	139.2
145°	139.2
147.5°	141.7
150°	146.5
152.5°	149.0
155°	149.0
157.5°	146.5
160°	141.7
162.5°	131.9
165°	119.7
167.5°	107.5
170°	95.3
172.5°	85.5
175°	75.7
177.5°	68.4
180°	63.5

(END OF REPORT)