

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: P1175818

Luminaire Tested: UHBS2-2436-M-L83065-LOW-4000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175818
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-4000K-CLR6
Description: UHBS2 LED High Bay at 4000K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

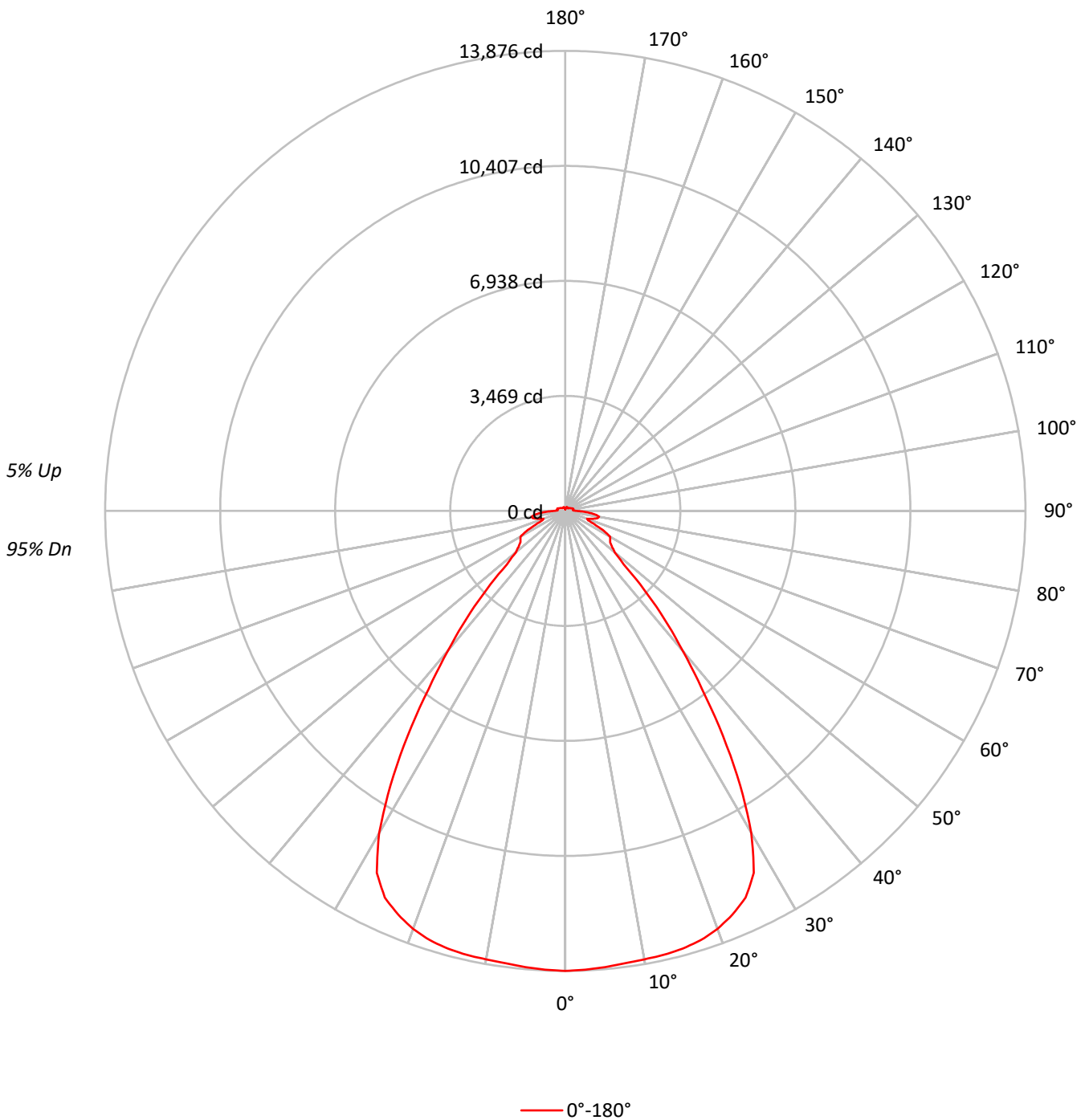
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24219.0 lumens
Efficiency: N/A
Efficacy: 158.5 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): 152.8
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°	87767
5°	84502
10°	81966
15°	80229
20°	78046
25°	74752
30°	65587
35°	49118
40°	33328
45°	20962
50°	12649
55°	11253
60°	11280
65°	7663
70°	5912
75°	8448
80°	10892
85°	9462

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20962 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1315.7	5.4
10°-20°	3861.2	15.9
20°-30°	5837.5	24.1
30°-40°	5147.5	21.3
40°-50°	2647.5	10.9
50°-60°	1518.7	6.3
60°-70°	1034.8	4.3
70°-80°	942.8	3.9
80°-90°	805.0	3.3
90°-100°	276.0	1.1
100°-110°	255.9	1.1
110°-120°	191.2	0.8
120°-130°	133.0	0.5
130°-140°	90.9	0.4
140°-150°	71.5	0.3
150°-160°	55.3	0.2
160°-170°	28.0	0.1
170°-180°	6.4	0.0
0°-30°	11014.4	45.5
0°-40°	16161.9	66.7
0°-60°	20328.1	83.9
0°-90°	23110.8	95.4
90°-120°	723.0	3.0
90°-150°	1018.5	4.2
90°-180°	1108.0	4.6
0°-180°	24219.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13876	
5°	13813	###
15°	13672	3861
25°	12871	5837
35°	8288	5148
45°	3357	2647
55°	1651	1519
65°	987	1035
75°	904	943
85°	775	684
90°	343	203
95°	230	194
105°	248	256
115°	190	191
125°	149	133
135°	115	91
145°	113	72
155°	121	55
165°	97	28
175°	61	6
180°	52	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13876.0
2.5°	13854.2
5°	13812.6
7.5°	13761.1
10°	13735.3
12.5°	13717.5
15°	13671.9
17.5°	13578.8
20°	13420.2
22.5°	13178.5
25°	12871.3
27.5°	12310.5
30°	11222.5
32.5°	9819.4
35°	8287.6
37.5°	6765.6
40°	5501.3
42.5°	4407.4
45°	3357.0
47.5°	2390.0
50°	1948.0
52.5°	1775.6
55°	1650.8
57.5°	1605.2
60°	1559.6
62.5°	1331.7
65°	986.9
67.5°	747.1
70°	699.5
72.5°	780.8
75°	903.7
77.5°	1008.7
80°	1032.5
82.5°	951.2
85°	774.9
87.5°	541.0
90°	342.8
92.5°	255.6
95°	229.9
97.5°	233.8
100°	241.8
102.5°	249.7
105°	247.7
107.5°	237.8
110°	222.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	206.1
115°	190.2
117.5°	178.4
120°	166.5
122.5°	158.5
125°	148.6
127.5°	136.7
130°	128.8
132.5°	120.9
135°	114.9
137.5°	113.0
140°	111.0
142.5°	113.0
145°	113.0
147.5°	114.9
150°	118.9
152.5°	120.9
155°	120.9
157.5°	118.9
160°	114.9
162.5°	107.0
165°	97.1
167.5°	87.2
170°	77.3
172.5°	69.4
175°	61.4
177.5°	55.5
180°	51.5

(END OF REPORT)