

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: P980767

Luminaire Tested: UHBS2-2436-W-L83065-MID-3000K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-7)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-W-L83065-MID-3000K-FRR6
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

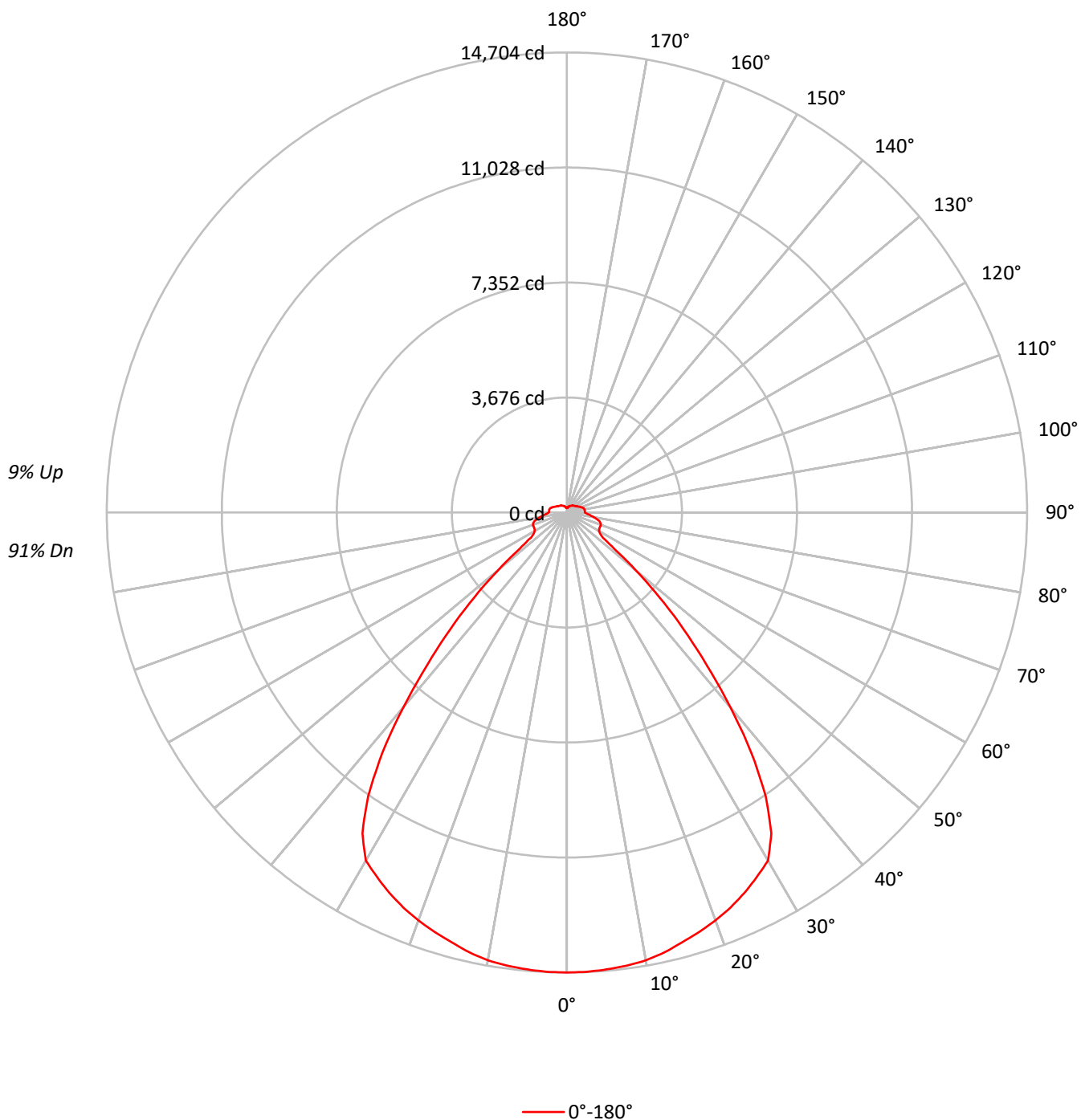
Lumens per Lamp: N/A
Luminaire Lumens: 29469.2 lumens
Efficiency: N/A
Efficacy: 151.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	117	117	117	117	113	113	113	113	106	106	106		100	100	100		94
1	108	104	101	97	105	101	98	95	95	93	90		90	88	86		85
2	100	94	88	83	97	91	86	81	86	82	78		82	78	75		78
3	93	85	78	72	90	82	76	71	78	73	69		75	70	67		71
4	87	77	69	64	84	75	68	63	72	66	61		68	63	60		65
5	81	70	62	57	78	68	61	56	66	59	55		63	58	53		60
6	76	64	57	51	73	63	56	50	60	54	49		58	53	48		56
7	71	59	51	46	69	58	51	46	56	49	45		54	48	44		52
8	66	55	47	42	64	53	46	42	52	45	41		50	44	40		48
9	62	50	43	38	61	50	43	38	48	42	37		46	41	37		45
10	59	47	40	35	57	46	39	35	45	39	34		43	38	34		42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93002
5°	89675
10°	86751
15°	83470
20°	80677
25°	77929
30°	75083
35°	65640
40°	49278
45°	32839
50°	18713
55°	9558
60°	8572
65°	8954
70°	9746
75°	10034
80°	9275
85°	8366

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32839 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1395.5	4.7
10°-20°	4021.7	13.6
20°-30°	6186.1	21.0
30°-40°	6758.9	22.9
40°-50°	4083.2	13.9
50°-60°	1466.7	5.0
60°-70°	1151.3	3.9
70°-80°	1110.2	3.8
80°-90°	764.8	2.6
90°-100°	624.1	2.1
100°-110°	571.4	1.9
110°-120°	433.9	1.5
120°-130°	319.6	1.1
130°-140°	238.7	0.8
140°-150°	168.5	0.6
150°-160°	107.1	0.4
160°-170°	53.5	0.2
170°-180°	13.9	0.0
0°-30°	11603.3	39.4
0°-40°	18362.2	62.3
0°-60°	23912.0	81.1
0°-90°	26938.4	91.4
90°-120°	1629.5	5.5
90°-150°	2356.3	8.0
90°-180°	2531.0	8.6
0°-180°	29469.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14704	
5°	14658	###
15°	14224	4022
25°	13418	6186
35°	11075	6759
45°	5259	4083
55°	1402	1467
65°	1153	1151
75°	1073	1110
85°	685	601
90°	576	320
95°	571	467
105°	546	571
115°	434	434
125°	354	320
135°	308	239
145°	267	168
155°	231	107
165°	187	53
175°	142	14
180°	139	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14703.8
2.5°	14694.7
5°	14658.2
7.5°	14610.2
10°	14537.1
12.5°	14400.1
15°	14224.3
17.5°	14057.6
20°	13872.6
22.5°	13664.8
25°	13418.2
27.5°	13137.3
30°	12847.3
32.5°	12157.7
35°	11075.3
37.5°	9686.9
40°	8134.0
42.5°	6590.4
45°	5259.0
47.5°	4016.8
50°	2881.9
52.5°	1902.2
55°	1402.1
57.5°	1260.5
60°	1185.2
62.5°	1162.3
65°	1153.2
67.5°	1155.5
70°	1153.2
72.5°	1128.1
75°	1073.3
77.5°	984.2
80°	879.2
82.5°	776.4
85°	685.1
87.5°	616.6
90°	575.5
92.5°	570.9
95°	570.9
97.5°	573.2
100°	570.9
102.5°	561.8
105°	545.8
107.5°	520.7
110°	491.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	463.6
115°	433.9
117.5°	408.8
120°	388.2
122.5°	369.9
125°	354.0
127.5°	340.3
130°	328.8
132.5°	317.4
135°	308.3
137.5°	296.9
140°	287.7
142.5°	276.3
145°	267.2
147.5°	258.0
150°	248.9
152.5°	239.8
155°	230.6
157.5°	221.5
160°	210.1
162.5°	198.7
165°	187.3
167.5°	173.6
170°	159.8
172.5°	141.6
175°	141.6
177.5°	139.3
180°	139.3

(END OF REPORT)