

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1505411

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (5000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505411
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-100)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (5000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

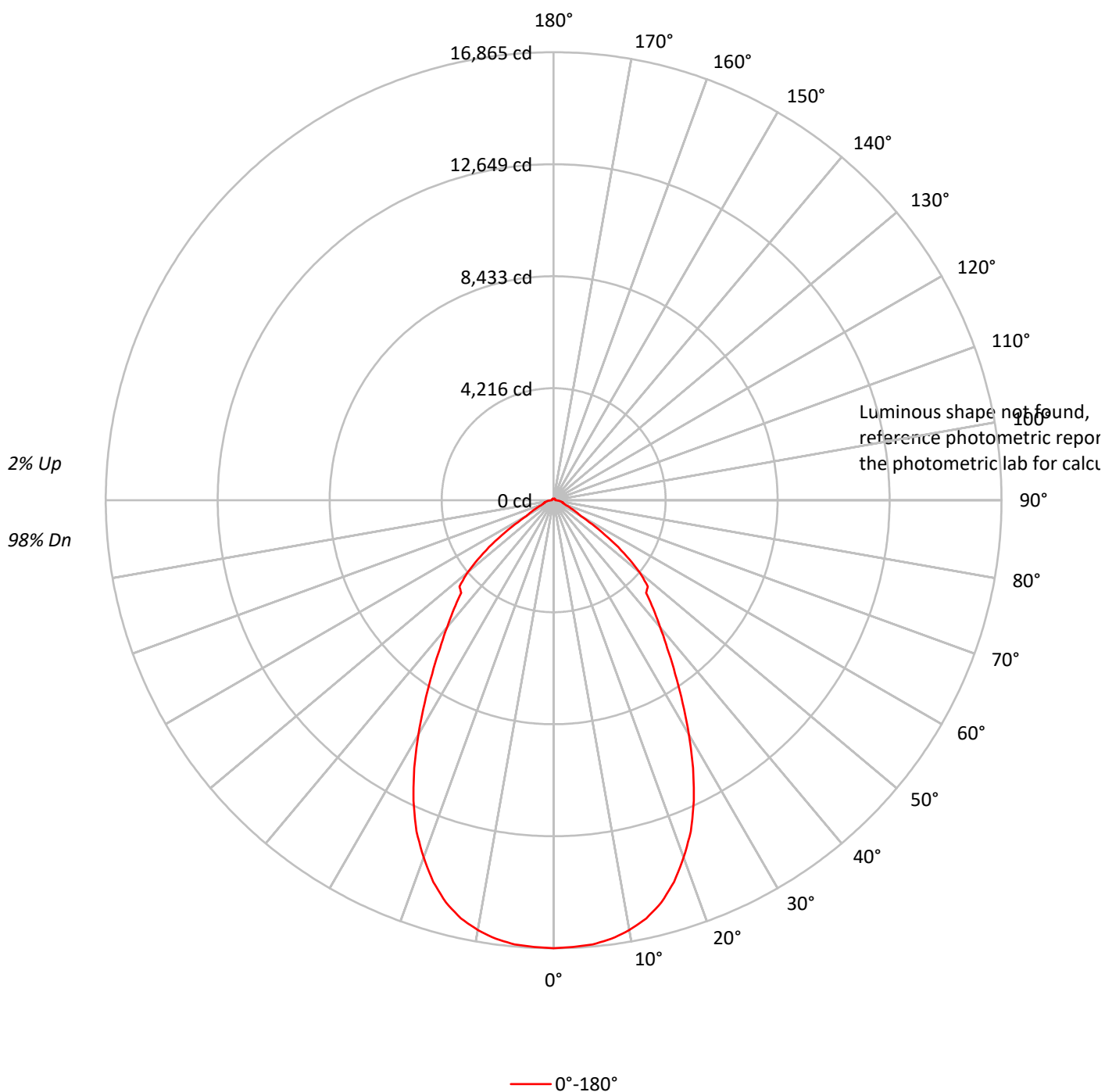
Lumens per Lamp: N/A
Luminaire Lumens: 24706.6 lumens
Efficiency: N/A
Efficacy: 158.0 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 156.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
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





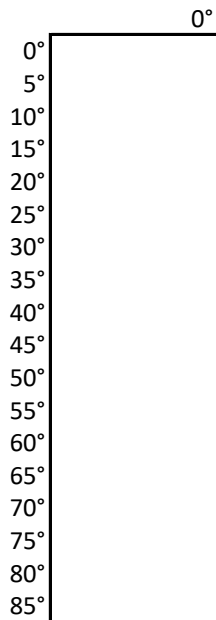
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	30	10	0		
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	98		
1	111	108	105	102	109	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	69	88	80	73	68	77	71	67	75	70	66	73	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	64	60	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	57	54	52		
7	74	63	56	50	73	62	55	50	60	54	50	59	53	49	58	53	49	47		
8	70	58	51	46	68	58	51	46	56	50	46	55	49	45	54	49	45	43		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1590.9	6.4
10°-20°	4379.8	17.7
20°-30°	5680.6	23.0
30°-40°	5017.1	20.3
40°-50°	3951.2	16.0
50°-60°	2374.8	9.6
60°-70°	744.9	3.0
70°-80°	379.2	1.5
80°-90°	188.9	0.8
90°-100°	68.4	0.3
100°-110°	69.1	0.3
110°-120°	65.2	0.3
120°-130°	58.0	0.2
130°-140°	49.4	0.2
140°-150°	40.9	0.2
150°-160°	28.5	0.1
160°-170°	15.2	0.1
170°-180°	4.6	0.0
0°-30°	11651.3	47.2
0°-40°	16668.4	67.5
0°-60°	22994.4	93.1
0°-90°	24307.3	98.4
90°-120°	202.7	0.8
90°-150°	350.9	1.4
90°-180°	399.0	1.6
0°-180°	24706.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16865	
5°	16786	###
15°	15676	4380
25°	12485	5681
35°	7976	5017
45°	4923	3951
55°	2690	2375
65°	727	745
75°	357	379
85°	174	165
90°	62	41
95°	62	51
105°	65	69
115°	66	65
125°	64	58
135°	63	49
145°	65	41
155°	61	29
165°	53	15
175°	49	5
180°	49	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16865.3
2.5°	16831.4
5°	16786.3
7.5°	16652.5
10°	16431.9
12.5°	16122.8
15°	15676.3
17.5°	15064.1
20°	14311.9
22.5°	13491.2
25°	12484.6
27.5°	11362.5
30°	10171.8
32.5°	9040.2
35°	7976.3
37.5°	7034.8
40°	6235.8
42.5°	5548.8
45°	4922.6
47.5°	4806.3
50°	4221.8
52.5°	3474.0
55°	2689.7
57.5°	1842.9
60°	1180.3
62.5°	936.2
65°	726.9
67.5°	548.0
70°	439.5
72.5°	388.2
75°	357.0
77.5°	328.3
80°	284.9
82.5°	231.9
85°	173.7
87.5°	114.6
90°	61.7
92.5°	61.7
95°	62.5
97.5°	63.4
100°	64.3
102.5°	65.1
105°	65.1
107.5°	66.0
110°	66.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	66.0
115°	66.0
117.5°	65.1
120°	65.1
122.5°	65.1
125°	64.3
127.5°	64.3
130°	64.3
132.5°	64.3
135°	63.4
137.5°	63.4
140°	63.4
142.5°	64.3
145°	65.1
147.5°	66.0
150°	66.9
152.5°	63.4
155°	60.8
157.5°	59.1
160°	57.3
162.5°	55.6
165°	53.0
167.5°	51.2
170°	49.5
172.5°	47.8
175°	48.6
177.5°	48.6
180°	48.6

(END OF REPORT)