

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: P1505420

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (6500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505420
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 (6500K_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

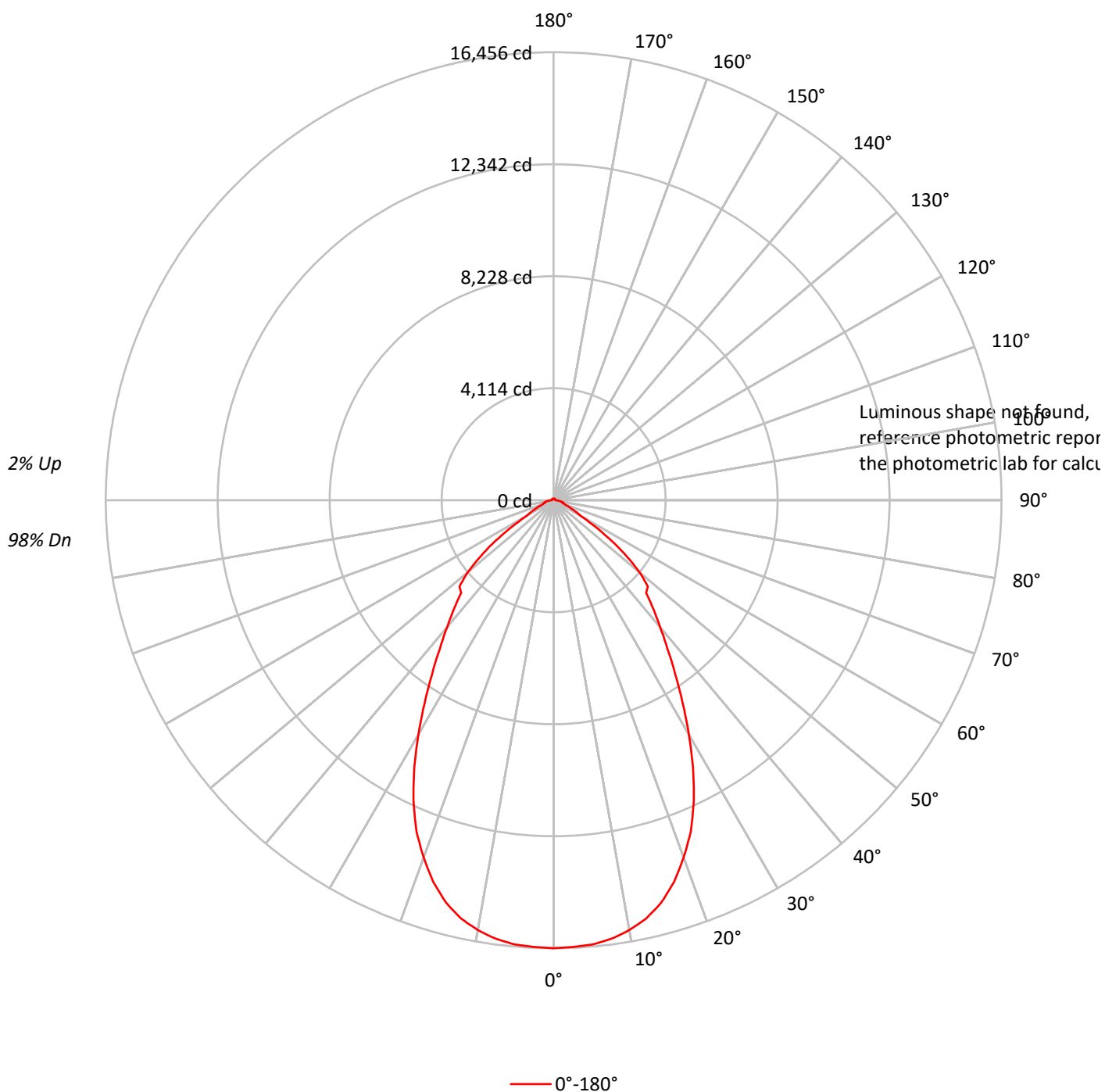
Lumens per Lamp: N/A
Luminaire Lumens: 24106.9 lumens
Efficiency: N/A
Efficacy: 150.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 159.8
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





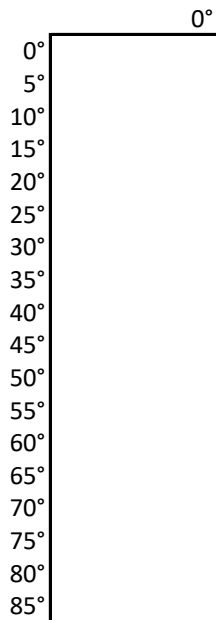
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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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CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-TRWH-PS (6500K_L24_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1552.3	6.4
10°-20°	4273.5	17.7
20°-30°	5542.7	23.0
30°-40°	4895.3	20.3
40°-50°	3855.3	16.0
50°-60°	2317.1	9.6
60°-70°	726.8	3.0
70°-80°	369.9	1.5
80°-90°	184.3	0.8
90°-100°	66.7	0.3
100°-110°	67.5	0.3
110°-120°	63.6	0.3
120°-130°	56.6	0.2
130°-140°	48.2	0.2
140°-150°	39.9	0.2
150°-160°	27.8	0.1
160°-170°	14.9	0.1
170°-180°	4.5	0.0
0°-30°	11368.5	47.2
0°-40°	16263.7	67.5
0°-60°	22436.1	93.1
0°-90°	23717.2	98.4
90°-120°	197.8	0.8
90°-150°	342.5	1.4
90°-180°	390.0	1.6
0°-180°	24106.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16456	
5°	16379	###
15°	15296	4273
25°	12182	5543
35°	7783	4895
45°	4803	3855
55°	2624	2317
65°	709	727
75°	348	370
85°	170	161
90°	60	40
95°	61	50
105°	64	67
115°	64	64
125°	63	57
135°	62	48
145°	64	40
155°	59	28
165°	52	15
175°	48	5
180°	48	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16455.9
2.5°	16422.8
5°	16378.7
7.5°	16248.2
10°	16033.0
12.5°	15731.3
15°	15295.8
17.5°	14698.3
20°	13964.5
22.5°	13163.7
25°	12181.5
27.5°	11086.7
30°	9924.9
32.5°	8820.7
35°	7782.6
37.5°	6864.0
40°	6084.4
42.5°	5414.1
45°	4803.1
47.5°	4689.6
50°	4119.3
52.5°	3389.6
55°	2624.4
57.5°	1798.2
60°	1151.6
62.5°	913.5
65°	709.3
67.5°	534.7
70°	428.8
72.5°	378.8
75°	348.3
77.5°	320.3
80°	278.0
82.5°	226.3
85°	169.5
87.5°	111.9
90°	60.2
92.5°	60.2
95°	61.0
97.5°	61.9
100°	62.7
102.5°	63.6
105°	63.6
107.5°	64.4
110°	64.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	64.4
115°	64.4
117.5°	63.6
120°	63.6
122.5°	63.6
125°	62.7
127.5°	62.7
130°	62.7
132.5°	62.7
135°	61.9
137.5°	61.9
140°	61.9
142.5°	62.7
145°	63.6
147.5°	64.4
150°	65.3
152.5°	61.9
155°	59.3
157.5°	57.6
160°	55.9
162.5°	54.2
165°	51.7
167.5°	50.0
170°	48.3
172.5°	46.6
175°	47.5
177.5°	47.5
180°	47.5

(END OF REPORT)