

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: P1505357

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (4000K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505357
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-94)
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-CLER-PS (4000K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

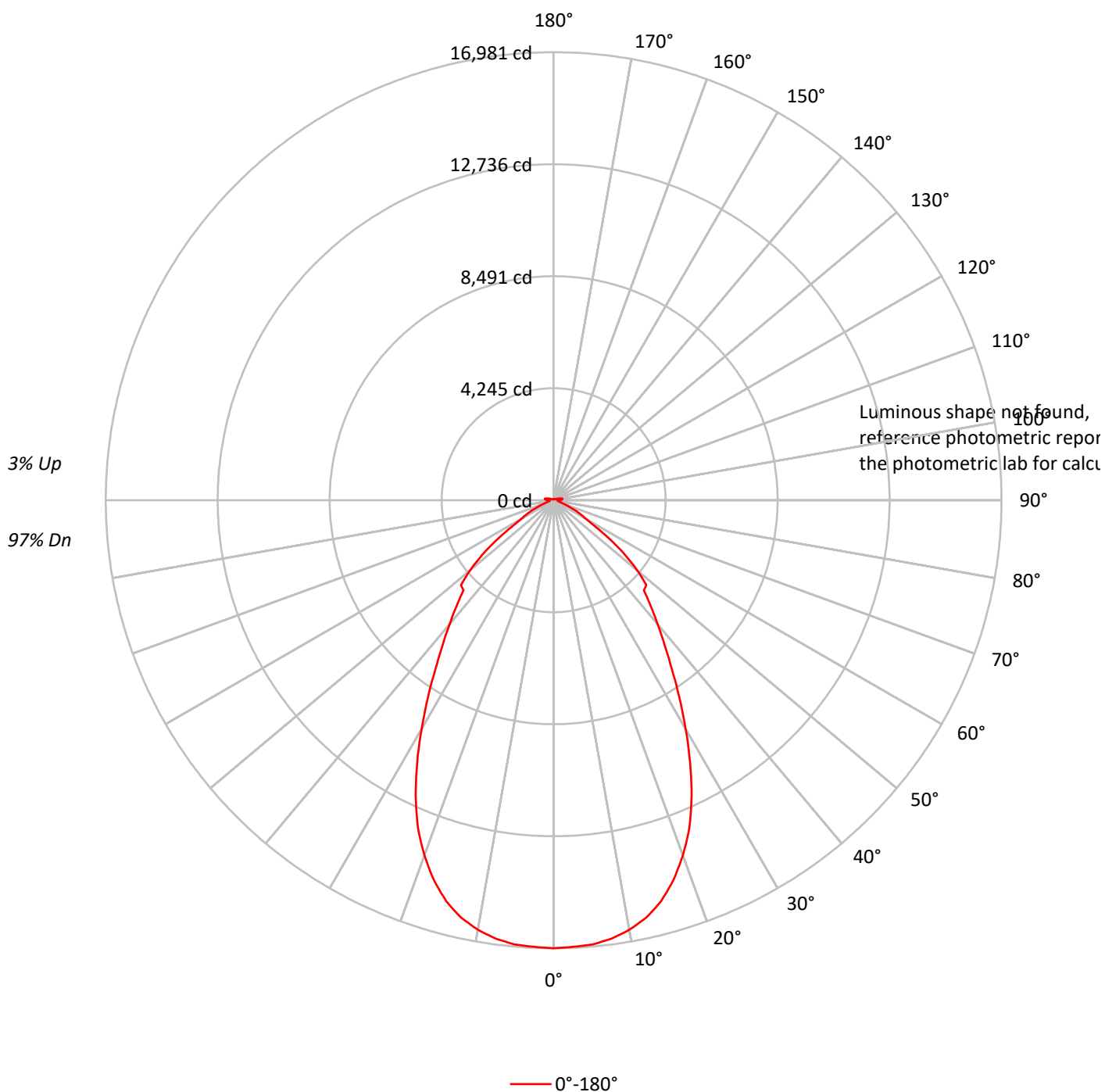
Lumens per Lamp: N/A
Luminaire Lumens: 25020.1 lumens
Efficiency: N/A
Efficacy: 160.7 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

Input Watts (W): 155.7
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





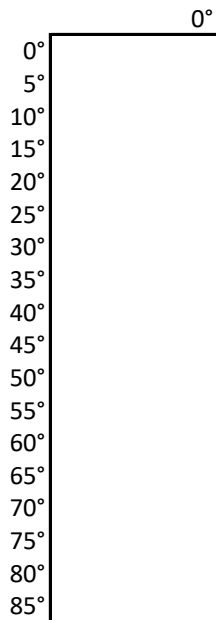
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	103	97	92	88	101	95	90	86	91	87	84	88	84	82	84	82	79	77		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	73	68	88	79	73	68	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	59	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	51	46	68	57	50	46	56	49	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	49	45	41	39		
10	62	50	43	39	60	50	43	39	49	43	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1601.5	6.4
10°-20°	4395.3	17.6
20°-30°	5632.9	22.5
30°-40°	4921.8	19.7
40°-50°	3889.2	15.5
50°-60°	2394.3	9.6
60°-70°	883.2	3.5
70°-80°	263.5	1.1
80°-90°	181.0	0.7
90°-100°	326.7	1.3
100°-110°	283.7	1.1
110°-120°	116.0	0.5
120°-130°	44.0	0.2
130°-140°	30.3	0.1
140°-150°	24.7	0.1
150°-160°	18.0	0.1
160°-170°	10.6	0.0
170°-180°	3.6	0.0
0°-30°	11629.6	46.5
0°-40°	16551.4	66.2
0°-60°	22834.8	91.3
0°-90°	24162.5	96.6
90°-120°	726.3	2.9
90°-150°	825.4	3.3
90°-180°	858.0	3.4
0°-180°	25020.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16981	
5°	16904	###
15°	15736	4395
25°	12377	5633
35°	7804	4922
45°	4832	3889
55°	2684	2394
65°	894	883
75°	228	263
85°	151	127
90°	216	120
95°	315	260
105°	273	284
115°	110	116
125°	46	44
135°	39	30
145°	40	25
155°	39	18
165°	37	11
175°	38	4
180°	40	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16981.4
2.5°	16940.9
5°	16904.0
7.5°	16762.1
10°	16534.2
12.5°	16204.9
15°	15736.3
17.5°	15098.4
20°	14328.8
22.5°	13439.8
25°	12377.0
27.5°	11204.3
30°	10010.8
32.5°	8863.8
35°	7803.7
37.5°	6905.2
40°	6129.6
42.5°	5452.1
45°	4832.2
47.5°	4762.5
50°	4142.6
52.5°	3429.8
55°	2684.3
57.5°	1902.8
60°	1392.9
62.5°	1162.5
65°	894.2
67.5°	623.4
70°	417.0
72.5°	291.5
75°	227.9
77.5°	190.9
80°	161.6
82.5°	147.9
85°	151.3
87.5°	175.4
90°	215.8
92.5°	268.3
95°	314.7
97.5°	339.6
100°	335.3
102.5°	309.5
105°	272.6
107.5°	228.7
110°	184.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	143.6
115°	110.1
117.5°	85.1
120°	67.1
122.5°	54.2
125°	46.4
127.5°	41.3
130°	39.6
132.5°	38.7
135°	38.7
137.5°	39.6
140°	39.6
142.5°	39.6
145°	39.6
147.5°	38.7
150°	39.6
152.5°	38.7
155°	38.7
157.5°	38.7
160°	38.7
162.5°	37.8
165°	37.0
167.5°	37.0
170°	36.1
172.5°	37.0
175°	37.8
177.5°	39.6
180°	39.6

(END OF REPORT)