

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: P1504988

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3500K_L24_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504988
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-82)
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-A-04-CLER-PS (3500K_L24_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

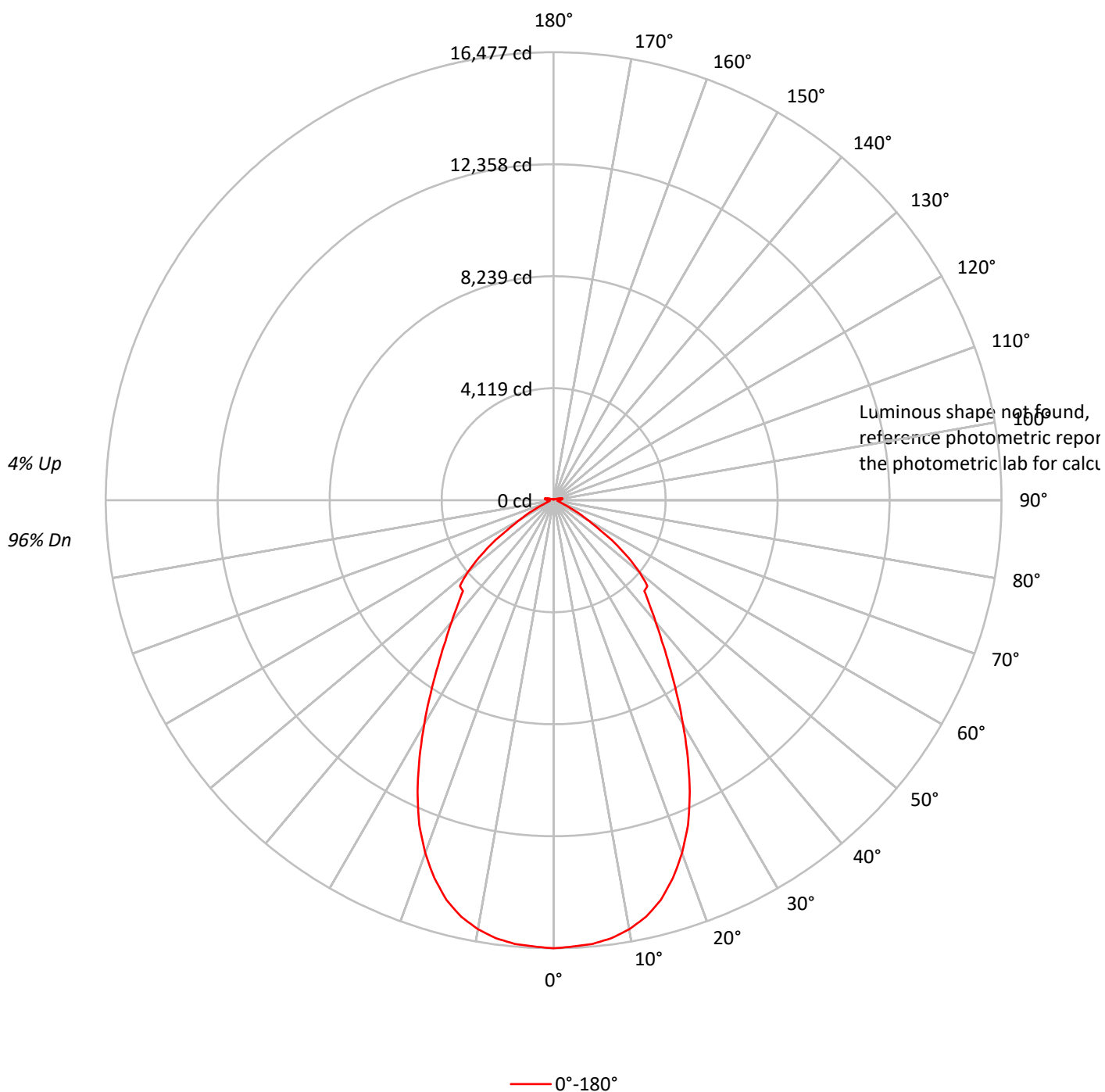
Lumens per Lamp: N/A
Luminaire Lumens: 24083.6 lumens
Efficiency: N/A
Efficacy: 152.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 157.5
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



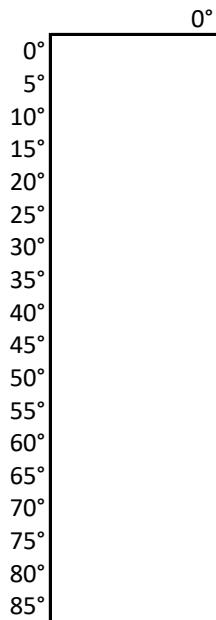
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	96		
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	87	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	74	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	44	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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CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3500K_L24_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1552.1	6.4
10°-20°	4248.4	17.6
20°-30°	5392.0	22.4
30°-40°	4671.5	19.4
40°-50°	3779.6	15.7
50°-60°	2434.0	10.1
60°-70°	747.9	3.1
70°-80°	240.7	1.0
80°-90°	172.2	0.7
90°-100°	302.8	1.3
100°-110°	288.0	1.2
110°-120°	122.3	0.5
120°-130°	45.8	0.2
130°-140°	30.0	0.1
140°-150°	25.2	0.1
150°-160°	18.1	0.1
160°-170°	10.0	0.0
170°-180°	3.1	0.0
0°-30°	11192.5	46.5
0°-40°	15863.9	65.9
0°-60°	22077.5	91.7
0°-90°	23238.3	96.5
90°-120°	713.1	3.0
90°-150°	814.1	3.4
90°-180°	845.0	3.5
0°-180°	24083.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16477	
5°	16381	###
15°	15220	4248
25°	11847	5392
35°	7398	4671
45°	4719	3780
55°	2747	2434
65°	690	748
75°	223	241
85°	144	123
90°	196	109
95°	287	243
105°	279	288
115°	117	122
125°	48	46
135°	38	30
145°	40	25
155°	39	18
165°	35	10
175°	32	3
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16476.9
2.5°	16426.3
5°	16381.4
7.5°	16244.4
10°	16021.0
12.5°	15693.0
15°	15219.7
17.5°	14574.5
20°	13808.0
22.5°	12912.0
25°	11847.4
27.5°	10684.0
30°	9517.3
32.5°	8421.1
35°	7398.1
37.5°	6541.1
40°	5831.9
42.5°	5220.8
45°	4719.2
47.5°	4677.7
50°	4134.6
52.5°	3470.3
55°	2747.0
57.5°	1965.6
60°	1420.0
62.5°	1044.7
65°	690.1
67.5°	440.9
70°	314.7
72.5°	255.8
75°	223.4
77.5°	193.5
80°	164.4
82.5°	144.5
85°	143.7
87.5°	162.8
90°	196.0
92.5°	242.5
95°	287.3
97.5°	318.9
100°	328.0
102.5°	312.2
105°	279.0
107.5°	235.8
110°	191.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	151.1
115°	117.1
117.5°	90.5
120°	70.6
122.5°	57.3
125°	48.2
127.5°	42.4
130°	39.9
132.5°	38.2
135°	38.2
137.5°	39.0
140°	39.0
142.5°	39.9
145°	39.9
147.5°	40.7
150°	40.7
152.5°	39.9
155°	39.0
157.5°	38.2
160°	37.4
162.5°	36.5
165°	34.9
167.5°	34.0
170°	33.2
172.5°	32.4
175°	32.4
177.5°	31.6
180°	31.6

(END OF REPORT)