

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: P1505367

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (5000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505367
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-96)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-B-04-CLER-PS (5000K_L24_Wide_120V)
Description: PentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

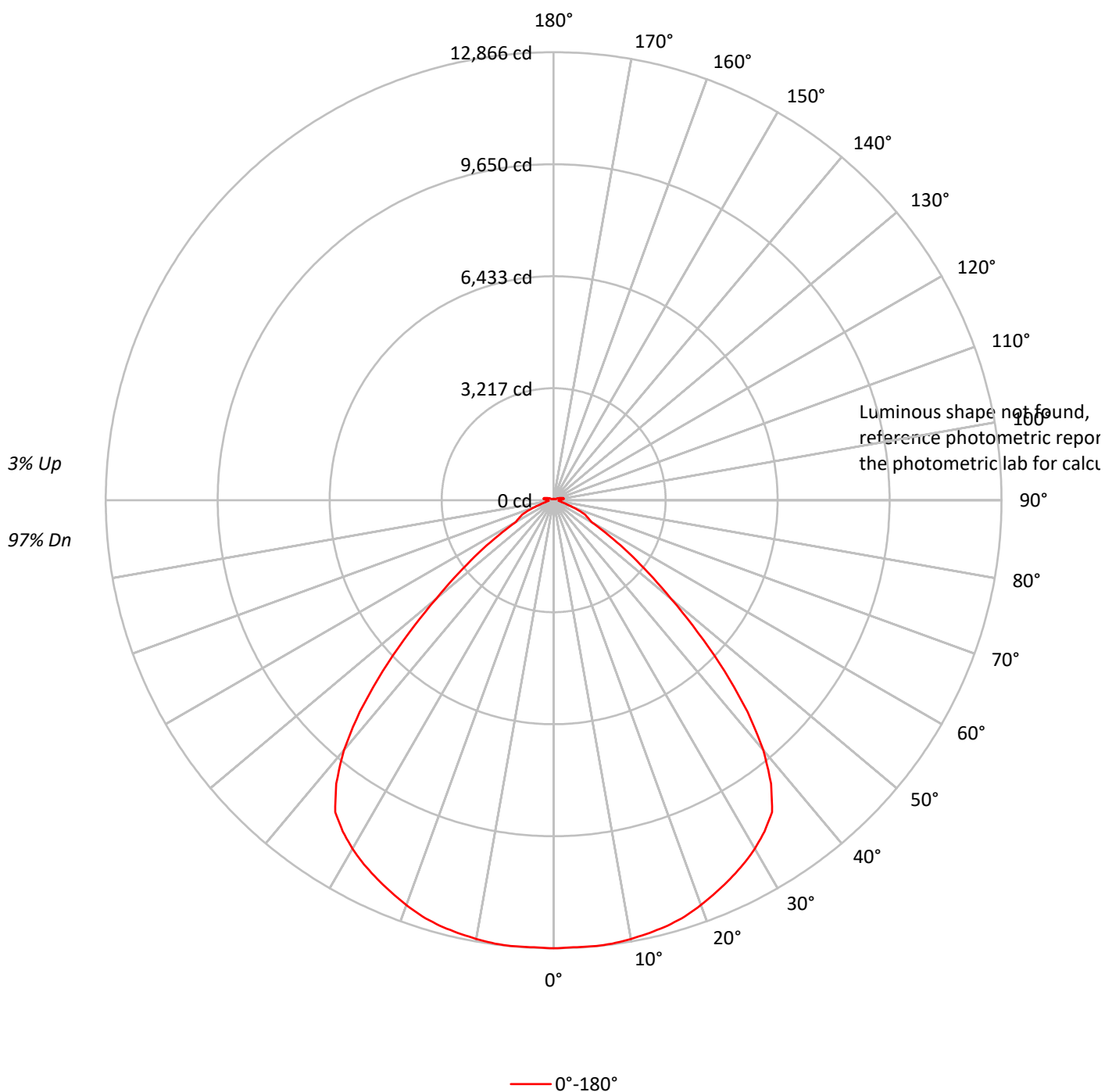
Lumens per Lamp: N/A
Luminaire Lumens: 27045.7 lumens
Efficiency: N/A
Efficacy: 172.9 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.38' x L: 1.38' x H: 0.58')
CIE Type: Direct

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



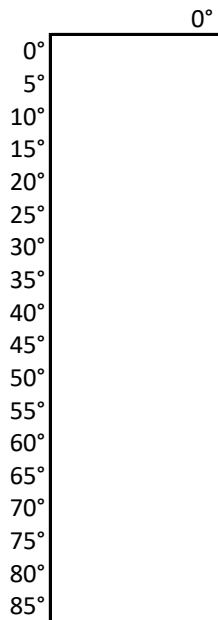
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	
1	111	107	104	101	108	105	102	99	100	97	95	96	94	92	92	90	89	89	87	
2	103	96	91	87	100	94	89	85	91	86	83	87	84	81	84	81	79	79	76	
3	96	87	80	75	93	85	79	74	82	77	73	79	75	71	76	73	70	70	68	
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	65	62	62	60	
5	82	72	64	58	80	70	63	58	68	62	57	66	60	56	64	59	55	55	54	
6	77	65	58	52	75	64	57	52	62	56	51	60	55	50	59	54	50	50	48	
7	72	60	52	47	70	59	52	46	57	51	46	56	50	45	54	49	45	45	43	
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41	41	39	
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	46	41	37	37	36	
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34	34	33	

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1225.6	4.5
10°-20°	3572.3	13.2
20°-30°	5536.9	20.5
30°-40°	6716.6	24.8
40°-50°	5307.9	19.6
50°-60°	2383.1	8.8
60°-70°	961.9	3.6
70°-80°	357.8	1.3
80°-90°	169.6	0.6
90°-100°	270.1	1.0
100°-110°	264.8	1.0
110°-120°	124.4	0.5
120°-130°	51.8	0.2
130°-140°	37.1	0.1
140°-150°	29.8	0.1
150°-160°	20.7	0.1
160°-170°	11.6	0.0
170°-180°	3.6	0.0
0°-30°	10334.8	38.2
0°-40°	17051.5	63.0
0°-60°	24742.5	91.5
0°-90°	26231.8	97.0
90°-120°	659.3	2.4
90°-150°	778.0	2.9
90°-180°	814.0	3.0
0°-180°	27045.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12866	
5°	12860	###
15°	12649	3572
25°	11999	5537
35°	10938	6717
45°	6939	5308
55°	2610	2383
65°	1011	962
75°	304	358
85°	142	127
90°	168	95
95°	258	218
105°	255	265
115°	121	124
125°	55	52
135°	48	37
145°	47	30
155°	44	21
165°	41	12
175°	38	4
180°	39	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12865.9
2.5°	12852.9
5°	12859.8
7.5°	12847.7
10°	12791.2
12.5°	12726.9
15°	12648.8
17.5°	12534.1
20°	12371.7
22.5°	12187.6
25°	11999.1
27.5°	11792.4
30°	11557.1
32.5°	11273.9
35°	10937.8
37.5°	10256.9
40°	9371.1
42.5°	8242.9
45°	6939.3
47.5°	5621.8
50°	4405.0
52.5°	3427.1
55°	2609.8
57.5°	1873.3
60°	1264.5
62.5°	1118.6
65°	1010.9
67.5°	825.9
70°	608.8
72.5°	420.4
75°	304.0
77.5°	236.2
80°	187.6
82.5°	156.3
85°	141.6
87.5°	145.9
90°	168.5
92.5°	212.8
95°	257.9
97.5°	288.3
100°	295.3
102.5°	281.4
105°	255.3
107.5°	222.3
110°	185.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	152.0
115°	120.7
117.5°	94.7
120°	76.4
122.5°	63.4
125°	54.7
127.5°	49.5
130°	47.8
132.5°	46.9
135°	47.8
137.5°	48.6
140°	48.6
142.5°	48.6
145°	46.9
147.5°	46.9
150°	46.0
152.5°	45.2
155°	44.3
157.5°	44.3
160°	43.4
162.5°	42.6
165°	40.8
167.5°	39.1
170°	37.3
172.5°	37.3
175°	38.2
177.5°	39.1
180°	39.1

(END OF REPORT)