

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: P1504992

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3500K_L32_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504992
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-84)
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_L32_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

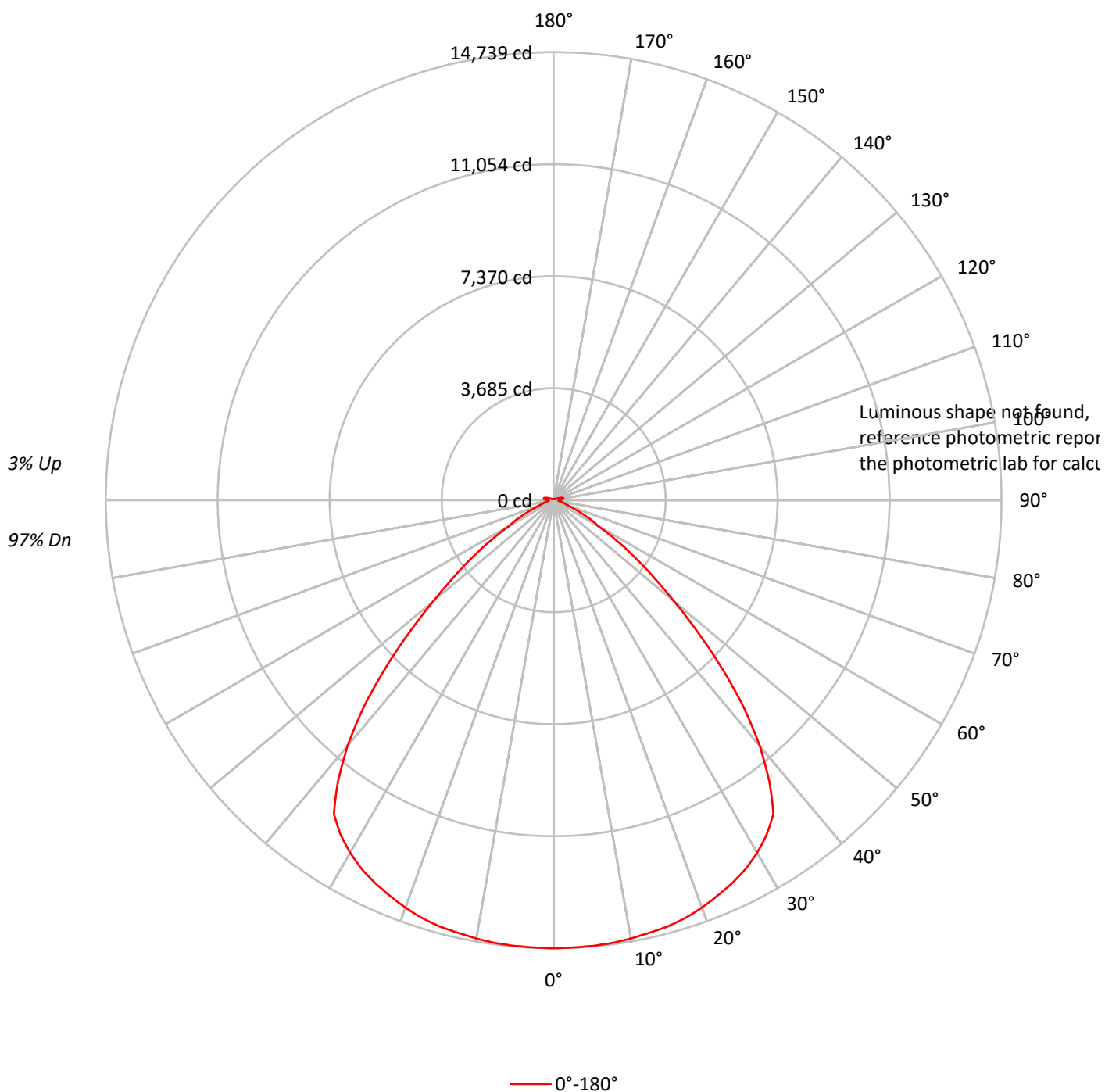
Lumens per Lamp: N/A
Luminaire Lumens: 31081.4 lumens
Efficiency: N/A
Efficacy: 158.6 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 196
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	95	96	94	92	92	90	89	87		
2	103	97	91	87	100	94	90	85	91	87	83	87	84	81	84	81	79	77		
3	96	87	81	75	93	85	79	74	82	77	73	79	75	71	76	73	70	68		
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	66	62	60		
5	83	72	64	58	80	70	63	58	68	62	57	66	61	56	64	59	56	54		
6	77	65	58	52	75	64	57	52	62	56	51	60	55	51	59	54	50	48		
7	72	60	52	47	70	59	52	47	57	51	46	56	50	46	54	49	45	43		
8	67	55	47	42	65	54	47	42	53	46	42	51	46	41	50	45	41	39		
9	63	51	43	38	61	50	43	38	49	42	38	48	42	38	46	41	37	36		
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	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°	1402.5	4.5
10°-20°	4101.7	13.2
20°-30°	6409.8	20.6
30°-40°	7706.4	24.8
40°-50°	6028.6	19.4
50°-60°	2929.3	9.4
60°-70°	1026.4	3.3
70°-80°	351.8	1.1
80°-90°	188.4	0.6
90°-100°	290.0	0.9
100°-110°	310.7	1.0
110°-120°	151.7	0.5
120°-130°	62.3	0.2
130°-140°	43.4	0.1
140°-150°	36.3	0.1
150°-160°	25.5	0.1
160°-170°	12.9	0.0
170°-180°	3.5	0.0
0°-30°	11913.9	38.3
0°-40°	19620.4	63.1
0°-60°	28578.3	91.9
0°-90°	30144.9	97.0
90°-120°	752.4	2.4
90°-150°	894.5	2.9
90°-180°	936.0	3.0
0°-180°	31081.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14739	
5°	14718	###
15°	14514	4102
25°	13900	6410
35°	12607	7706
45°	7864	6029
55°	3239	2929
65°	1014	1026
75°	324	352
85°	157	142
90°	179	101
95°	272	235
105°	302	311
115°	148	152
125°	66	62
135°	56	43
145°	58	36
155°	55	25
165°	45	13
175°	35	3
180°	33	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14739
2.5°	14725
5°	14718
7.5°	14691
10°	14640
12.5°	14573
15°	14514
17.5°	14413
20°	14262
22.5°	14086
25°	13900
27.5°	13677
30°	13395
32.5°	13049
35°	12607
37.5°	11660
40°	10551
42.5°	9273
45°	7864
47.5°	6445
50°	5160
52.5°	4111
55°	3239
57.5°	2418
60°	1688
62.5°	1376
65°	1014
67.5°	690
70°	489
72.5°	387
75°	324
77.5°	270
80°	217
82.5°	178
85°	157
87.5°	158
90°	179
92.5°	223
95°	272
97.5°	313
100°	333
102.5°	326
105°	302
107.5°	266
110°	225

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	184
115°	148
117.5°	117
120°	93
122.5°	77
125°	66
127.5°	59
130°	56
132.5°	55
135°	56
137.5°	57
140°	57
142.5°	58
145°	58
147.5°	58
150°	58
152.5°	57
155°	55
157.5°	53
160°	51
162.5°	48
165°	45
167.5°	42
170°	39
172.5°	37
175°	35
177.5°	34
180°	33

(END OF REPORT)