

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: P1505198

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-CLER-PS (6500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505198
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-106)
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-06-CLER-PS (6500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

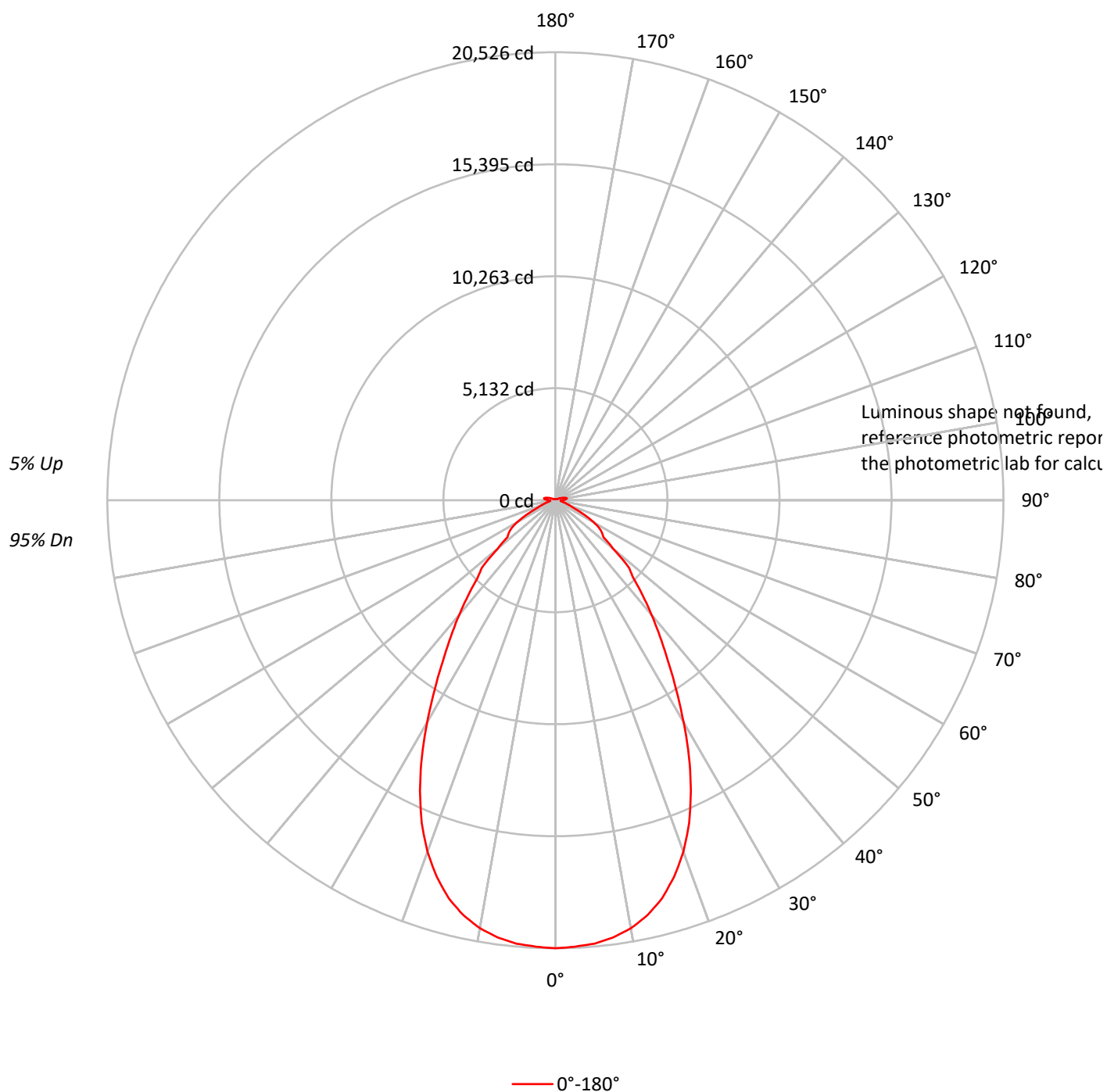
Lumens per Lamp: N/A
Luminaire Lumens: 29230.7 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Ellipsoidal Spheroid (W: 1.43' x L: 1.43' x H: 0.75')
CIE Type: Direct

Input Watts (W): 200.1
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



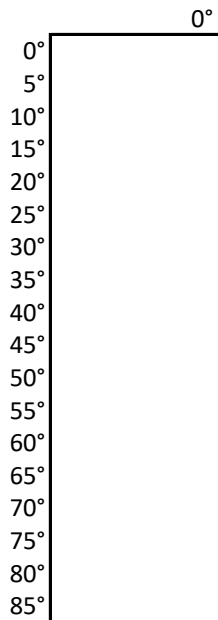
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	108	108	108	103	103	103	98	98	98	95		
1	110	107	104	101	107	104	101	99	99	97	95	95	93	91	90	89	87	85		
2	103	97	91	87	100	95	90	86	90	86	83	87	83	81	83	80	78	76		
3	96	88	82	76	93	86	80	76	83	78	74	79	75	72	76	73	70	68		
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	61		
5	84	74	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	56		
6	79	68	60	55	77	67	60	55	64	58	54	63	57	53	61	56	52	51		
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	46		
8	69	58	51	46	68	57	51	46	56	50	45	54	49	45	53	48	44	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	44	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1931.1	6.6
10°-20°	5272.0	18.0
20°-30°	6681.2	22.9
30°-40°	5658.3	19.4
40°-50°	3967.3	13.6
50°-60°	2347.4	8.0
60°-70°	1235.5	4.2
70°-80°	463.8	1.6
80°-90°	281.6	1.0
90°-100°	496.9	1.7
100°-110°	454.7	1.6
110°-120°	200.5	0.7
120°-130°	83.6	0.3
130°-140°	58.4	0.2
140°-150°	45.6	0.2
150°-160°	31.5	0.1
160°-170°	16.4	0.1
170°-180°	4.7	0.0
0°-30°	13884.3	47.5
0°-40°	19542.6	66.9
0°-60°	25857.3	88.5
0°-90°	27838.3	95.2
90°-120°	1152.1	3.9
90°-150°	1339.7	4.6
90°-180°	1392.0	4.8
0°-180°	29230.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20526	
5°	20395	###
15°	18878	5272
25°	14686	6681
35°	8976	5658
45°	5045	3967
55°	2615	2347
65°	1190	1235
75°	430	464
85°	236	201
90°	323	180
95°	473	398
105°	434	455
115°	193	201
125°	89	84
135°	75	58
145°	72	46
155°	68	32
165°	57	16
175°	48	5
180°	48	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20525.5
2.5°	20471.5
5°	20395.0
7.5°	20201.3
10°	19911.8
12.5°	19477.5
15°	18878.1
17.5°	18081.9
20°	17133.8
22.5°	16002.2
25°	14686.1
27.5°	13249.7
30°	11737.9
32.5°	10288.2
35°	8976.2
37.5°	7853.8
40°	6844.6
42.5°	5906.7
45°	5045.2
47.5°	4561.0
50°	3451.8
52.5°	2762.7
55°	2614.9
57.5°	2382.4
60°	2048.1
62.5°	1606.6
65°	1189.7
67.5°	864.5
70°	660.6
72.5°	533.2
75°	430.2
77.5°	333.4
80°	265.1
82.5°	233.5
85°	236.5
87.5°	268.1
90°	323.2
92.5°	398.6
95°	473.0
97.5°	524.0
100°	531.1
102.5°	492.4
105°	434.3
107.5°	371.1
110°	304.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	244.7
115°	192.7
117.5°	151.9
120°	123.4
122.5°	101.9
125°	88.7
127.5°	80.5
130°	76.5
132.5°	75.4
135°	75.4
137.5°	75.4
140°	74.4
142.5°	73.4
145°	72.4
147.5°	71.4
150°	71.4
152.5°	69.3
155°	68.3
157.5°	66.3
160°	64.2
162.5°	60.1
165°	57.1
167.5°	54.0
170°	51.0
172.5°	50.0
175°	47.9
177.5°	47.9
180°	47.9

(END OF REPORT)