

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: P1505558

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505558
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-118)
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-06-CLER-PS (6500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

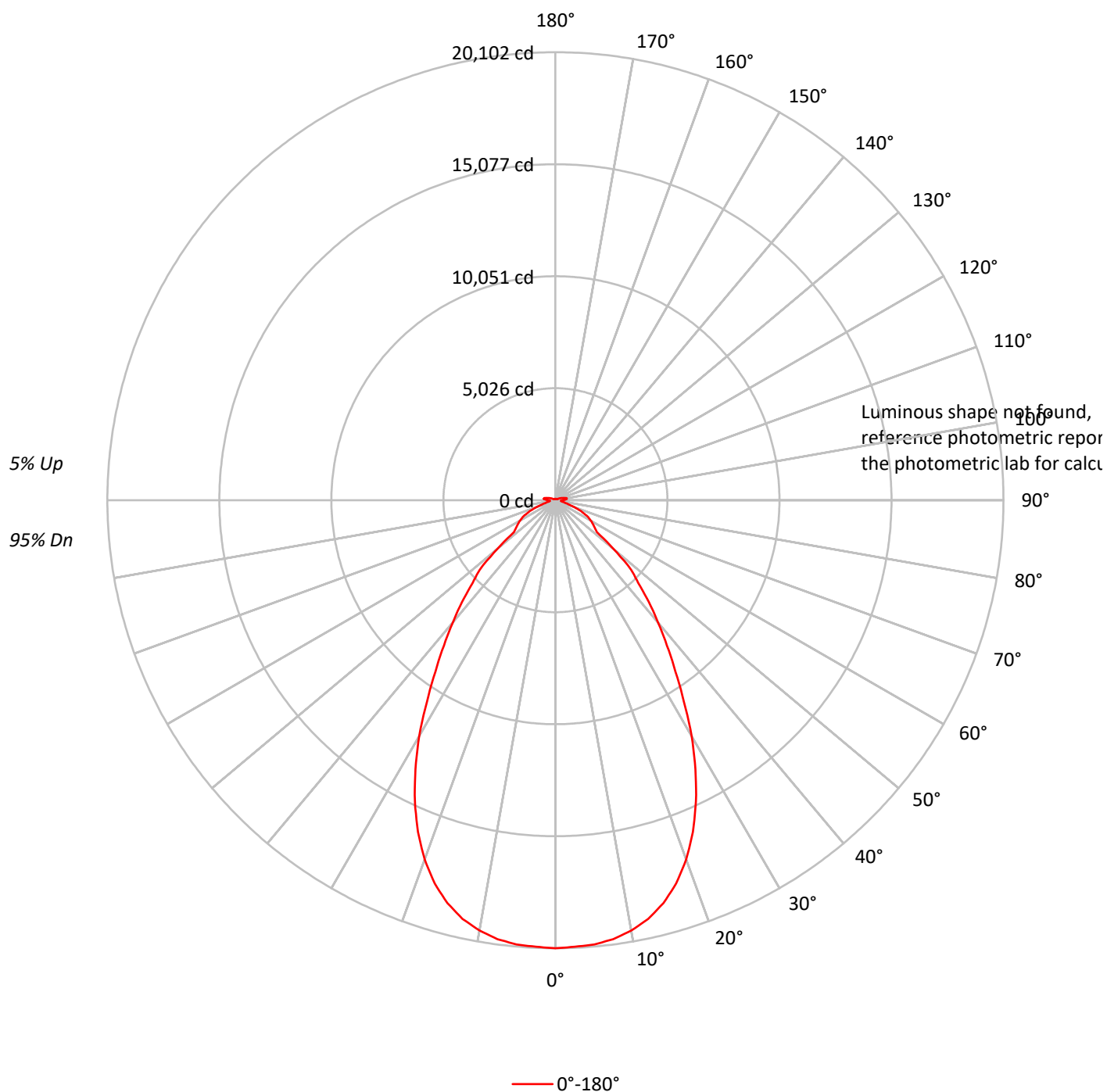
Lumens per Lamp: N/A
Luminaire Lumens: 29530.6 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Spacing Criteria (0/90/45): 1/1/2001
Luminous Opening: Ellipsoidal Spheroid (W: 1.47' x L: 1.47' x H: 0.75')
CIE Type: Direct

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



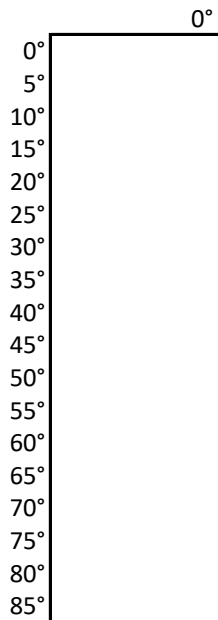
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	109	109	109	103	103	103	98	98	98	95		
1	110	107	103	101	107	104	101	99	99	97	95	95	93	91	90	89	88	85		
2	103	97	91	87	100	94	90	86	90	86	83	87	83	81	83	80	78	76		
3	96	88	81	76	93	86	80	75	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	70	67	63	61		
5	84	73	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	55		
6	79	68	60	55	77	67	60	55	64	58	54	62	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	50	46	56	50	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	43	39	49	43	39	48	42	38	46	42	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-B-06-CLER-PS (6500K_L32_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1897.1	6.4
10°-20°	5234.1	17.7
20°-30°	6796.9	23.0
30°-40°	5911.2	20.0
40°-50°	4094.2	13.9
50°-60°	2030.2	6.9
60°-70°	1388.5	4.7
70°-80°	533.0	1.8
80°-90°	288.7	1.0
90°-100°	496.9	1.7
100°-110°	431.3	1.5
110°-120°	189.8	0.6
120°-130°	80.7	0.3
130°-140°	58.6	0.2
140°-150°	45.2	0.2
150°-160°	31.2	0.1
160°-170°	17.7	0.1
170°-180°	5.5	0.0
0°-30°	13928.0	47.2
0°-40°	19839.2	67.2
0°-60°	25963.6	87.9
0°-90°	28173.9	95.4
90°-120°	1118.0	3.8
90°-150°	1302.5	4.4
90°-180°	1357.0	4.6
0°-180°	29530.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20102	
5°	20008	###
15°	18716	5234
25°	14918	6797
35°	9386	5911
45°	5242	4094
55°	2152	2030
65°	1432	1388
75°	462	533
85°	243	207
90°	325	181
95°	478	397
105°	409	431
115°	182	190
125°	86	81
135°	76	59
145°	71	45
155°	67	31
165°	62	18
175°	58	5
180°	58	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20102.4
2.5°	20053.5
5°	20007.6
7.5°	19863.9
10°	19603.9
12.5°	19240.0
15°	18716.0
17.5°	18023.8
20°	17148.1
22.5°	16109.3
25°	14917.5
27.5°	13605.5
30°	12222.1
32.5°	10728.6
35°	9386.0
37.5°	8218.8
40°	7174.9
42.5°	6203.3
45°	5242.0
47.5°	4612.0
50°	3390.7
52.5°	2337.6
55°	2152.0
57.5°	1995.1
60°	1836.0
62.5°	1659.7
65°	1432.3
67.5°	1167.3
70°	884.9
72.5°	633.1
75°	461.8
77.5°	348.7
80°	276.3
82.5°	243.6
85°	242.6
87.5°	271.2
90°	325.2
92.5°	402.7
95°	478.1
97.5°	520.9
100°	516.9
102.5°	470.0
105°	408.8
107.5°	346.6
110°	286.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	231.4
115°	182.5
117.5°	144.8
120°	117.2
122.5°	97.9
125°	85.6
127.5°	78.5
130°	75.4
132.5°	74.4
135°	76.5
137.5°	76.5
140°	75.4
142.5°	74.4
145°	71.4
147.5°	69.3
150°	68.3
152.5°	67.3
155°	67.3
157.5°	67.3
160°	66.3
162.5°	64.2
165°	62.2
167.5°	59.1
170°	57.1
172.5°	56.1
175°	58.1
177.5°	58.1
180°	58.1

(END OF REPORT)