

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: P1504679

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504679
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-37)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3500K_L18_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

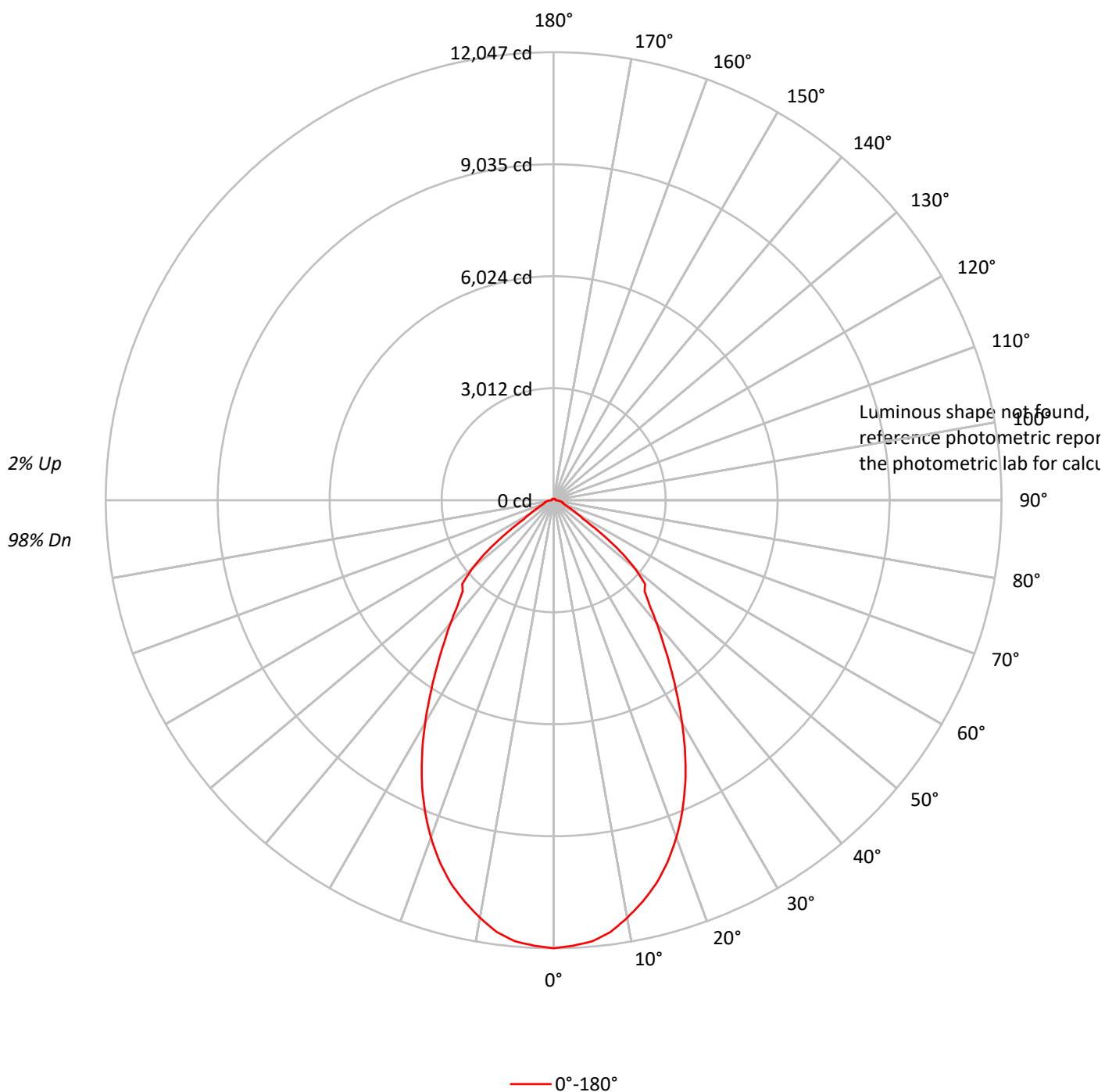
Lumens per Lamp: N/A
Luminaire Lumens: 16721.5 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 120.7
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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	108	105	102	108	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	93	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	89	83	78	95	87	81	77	84	79	75	81	77	74	79	75	72	71		
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	73	69	65	63		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	63	59	57		
6	79	68	61	56	78	67	61	56	66	60	55	64	59	54	62	58	54	52		
7	74	63	56	51	73	62	55	51	61	55	50	59	54	50	58	53	49	48		
8	70	59	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	40	61	50	44	39	49	43	39	48	43	39	47	42	39	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°	1120.4	6.7
10°-20°	2983.1	17.8
20°-30°	3824.2	22.9
30°-40°	3437.0	20.6
40°-50°	2731.7	16.3
50°-60°	1455.4	8.7
60°-70°	463.3	2.8
70°-80°	262.5	1.6
80°-90°	136.9	0.8
90°-100°	54.5	0.3
100°-110°	54.4	0.3
110°-120°	51.3	0.3
120°-130°	45.4	0.3
130°-140°	37.7	0.2
140°-150°	29.8	0.2
150°-160°	20.2	0.1
160°-170°	10.6	0.1
170°-180°	3.0	0.0
0°-30°	7927.7	47.4
0°-40°	11364.7	68.0
0°-60°	15551.8	93.0
0°-90°	16414.6	98.2
90°-120°	160.3	1.0
90°-150°	273.1	1.6
90°-180°	307.0	1.8
0°-180°	16721.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12047	
5°	11905	###
15°	10668	2983
25°	8383	3824
35°	5471	3437
45°	3462	2732
55°	1572	1455
65°	438	463
75°	250	263
85°	126	118
90°	50	32
95°	50	41
105°	51	54
115°	51	51
125°	50	45
135°	49	38
145°	48	30
155°	43	20
165°	37	11
175°	30	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12047.2
2.5°	11988.9
5°	11905.0
7.5°	11711.6
10°	11399.3
12.5°	11056.7
15°	10667.6
17.5°	10198.0
20°	9652.7
22.5°	9049.1
25°	8382.6
27.5°	7659.0
30°	6907.4
32.5°	6164.0
35°	5470.7
37.5°	4849.6
40°	4302.0
42.5°	3807.9
45°	3461.9
47.5°	3331.4
50°	2851.3
52.5°	2254.7
55°	1571.9
57.5°	955.5
60°	738.7
62.5°	574.5
65°	438.1
67.5°	348.4
70°	296.0
72.5°	265.7
75°	250.5
77.5°	229.5
80°	200.4
82.5°	165.5
85°	125.8
87.5°	86.2
90°	50.1
92.5°	48.9
95°	50.1
97.5°	50.1
100°	51.3
102.5°	51.3
105°	51.3
107.5°	51.3
110°	52.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	52.4
115°	51.3
117.5°	51.3
120°	51.3
122.5°	51.3
125°	50.1
127.5°	50.1
130°	50.1
132.5°	48.9
135°	48.9
137.5°	47.8
140°	47.8
142.5°	47.8
145°	47.8
147.5°	46.6
150°	46.6
152.5°	45.4
155°	43.1
157.5°	41.9
160°	40.8
162.5°	38.5
165°	37.3
167.5°	35.0
170°	33.8
172.5°	31.5
175°	30.3
177.5°	30.3
180°	30.3

(END OF REPORT)