

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: P1504697

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (5000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504697
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 (5000K_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: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

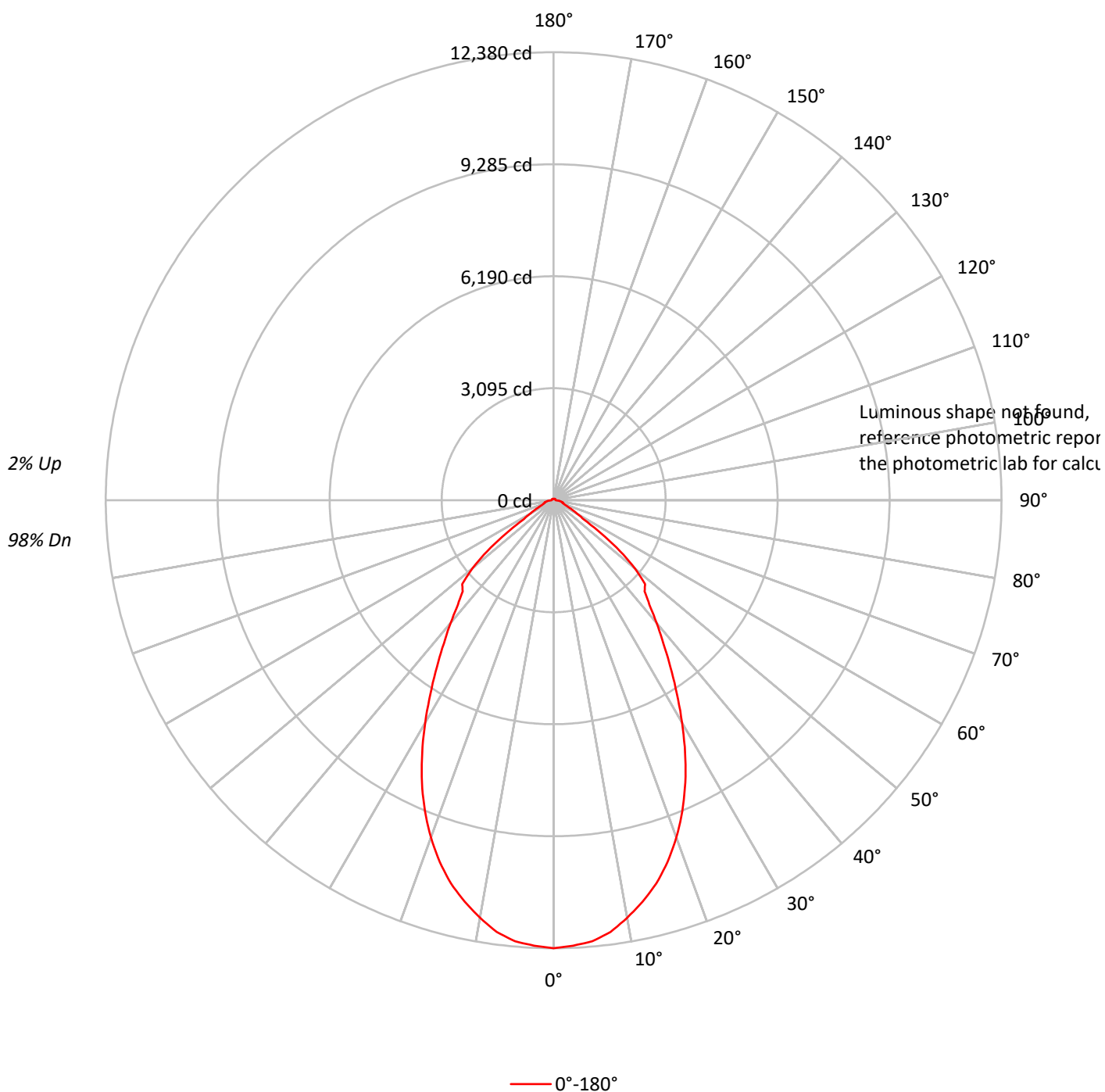
Lumens per Lamp: N/A
Luminaire Lumens: 17183.6 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 120.1
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	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°	1151.3	6.7
10°-20°	3065.6	17.8
20°-30°	3929.9	22.9
30°-40°	3532.0	20.6
40°-50°	2807.2	16.3
50°-60°	1495.6	8.7
60°-70°	476.1	2.8
70°-80°	269.8	1.6
80°-90°	140.7	0.8
90°-100°	56.0	0.3
100°-110°	55.9	0.3
110°-120°	52.8	0.3
120°-130°	46.6	0.3
130°-140°	38.7	0.2
140°-150°	30.6	0.2
150°-160°	20.8	0.1
160°-170°	10.9	0.1
170°-180°	3.1	0.0
0°-30°	8146.8	47.4
0°-40°	11678.8	68.0
0°-60°	15981.6	93.0
0°-90°	16868.2	98.2
90°-120°	164.7	1.0
90°-150°	280.7	1.6
90°-180°	315.0	1.8
0°-180°	17183.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12380	
5°	12234	###
15°	10962	3066
25°	8614	3930
35°	5622	3532
45°	3558	2807
55°	1615	1496
65°	450	476
75°	257	270
85°	129	122
90°	52	33
95°	52	42
105°	53	56
115°	53	53
125°	52	47
135°	50	39
145°	49	31
155°	44	21
165°	38	11
175°	31	3
180°	31	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12380.1
2.5°	12320.2
5°	12234.0
7.5°	12035.3
10°	11714.4
12.5°	11362.3
15°	10962.4
17.5°	10479.8
20°	9919.4
22.5°	9299.2
25°	8614.2
27.5°	7870.6
30°	7098.3
32.5°	6334.3
35°	5621.9
37.5°	4983.7
40°	4420.9
42.5°	3913.2
45°	3557.5
47.5°	3423.4
50°	2930.1
52.5°	2317.0
55°	1615.3
57.5°	981.9
60°	759.2
62.5°	590.3
65°	450.2
67.5°	358.0
70°	304.1
72.5°	273.0
75°	257.4
77.5°	235.9
80°	206.0
82.5°	170.0
85°	129.3
87.5°	88.6
90°	51.5
92.5°	50.3
95°	51.5
97.5°	51.5
100°	52.7
102.5°	52.7
105°	52.7
107.5°	52.7
110°	53.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	53.9
115°	52.7
117.5°	52.7
120°	52.7
122.5°	52.7
125°	51.5
127.5°	51.5
130°	51.5
132.5°	50.3
135°	50.3
137.5°	49.1
140°	49.1
142.5°	49.1
145°	49.1
147.5°	47.9
150°	47.9
152.5°	46.7
155°	44.3
157.5°	43.1
160°	41.9
162.5°	39.5
165°	38.3
167.5°	35.9
170°	34.7
172.5°	32.3
175°	31.1
177.5°	31.1
180°	31.1

(END OF REPORT)