

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: P1504703

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504703
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 (6500K_L16_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

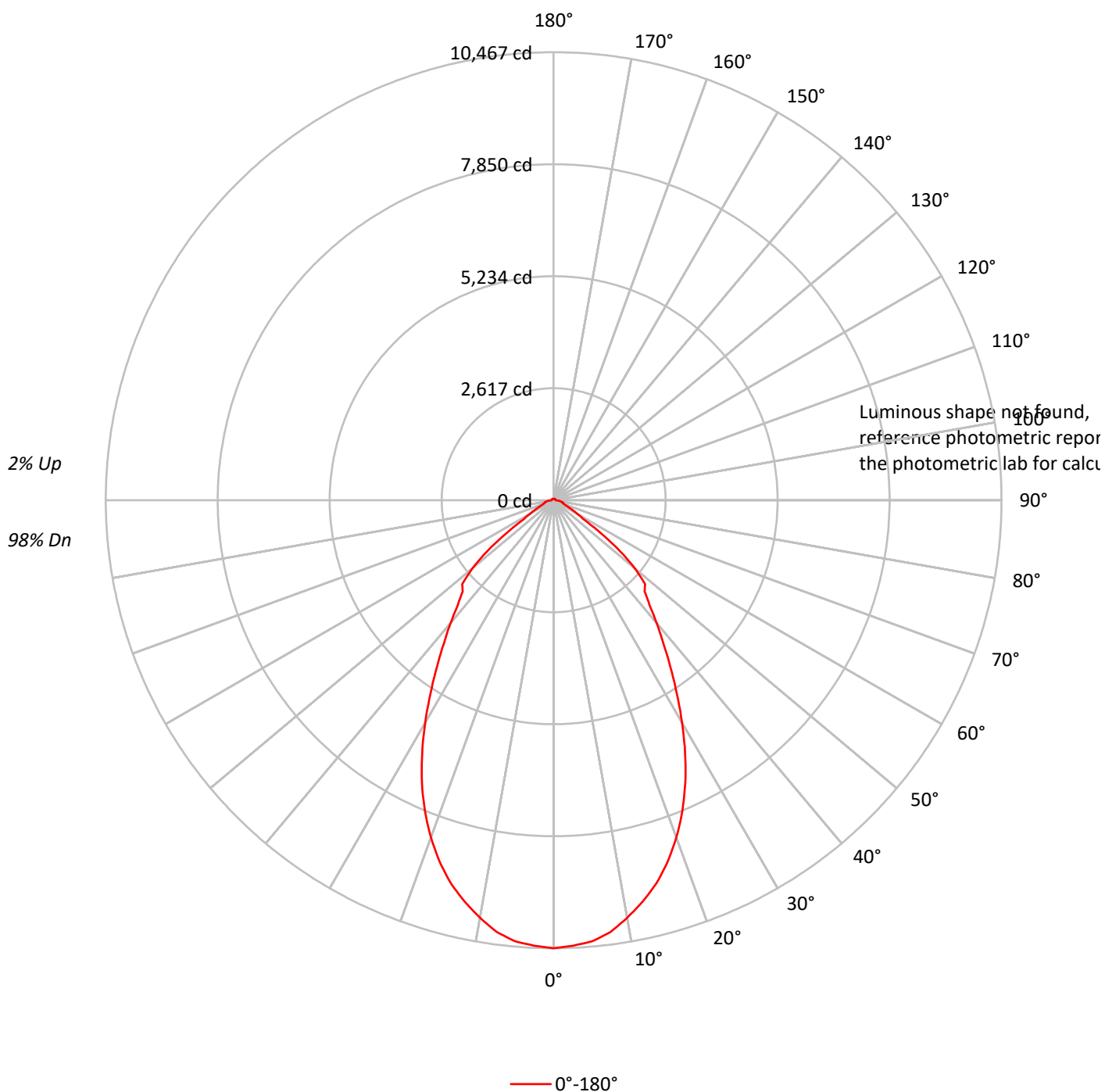
Lumens per Lamp: N/A
Luminaire Lumens: 14528.1 lumens
Efficiency: N/A
Efficacy: 141.7 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 102.5
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°	973.4	6.7
10°-20°	2591.9	17.8
20°-30°	3322.6	22.9
30°-40°	2986.3	20.6
40°-50°	2373.4	16.3
50°-60°	1264.5	8.7
60°-70°	402.5	2.8
70°-80°	228.1	1.6
80°-90°	119.0	0.8
90°-100°	47.3	0.3
100°-110°	47.2	0.3
110°-120°	44.6	0.3
120°-130°	39.4	0.3
130°-140°	32.7	0.2
140°-150°	25.9	0.2
150°-160°	17.6	0.1
160°-170°	9.2	0.1
170°-180°	2.6	0.0
0°-30°	6887.9	47.4
0°-40°	9874.1	68.0
0°-60°	13512.1	93.0
0°-90°	14261.6	98.2
90°-120°	139.1	1.0
90°-150°	237.1	1.6
90°-180°	267.0	1.8
0°-180°	14528.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10467	
5°	10344	973
15°	9268	2592
25°	7283	3323
35°	4753	2986
45°	3008	2373
55°	1366	1264
65°	381	403
75°	218	228
85°	109	103
90°	44	28
95°	44	36
105°	44	47
115°	44	45
125°	44	39
135°	42	33
145°	42	26
155°	38	18
165°	32	9
175°	26	3
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10467.1
2.5°	10416.5
5°	10343.6
7.5°	10175.5
10°	9904.2
12.5°	9606.6
15°	9268.4
17.5°	8860.4
20°	8386.6
22.5°	7862.2
25°	7283.1
27.5°	6654.4
30°	6001.4
32.5°	5355.5
35°	4753.2
37.5°	4213.6
40°	3737.7
42.5°	3308.5
45°	3007.8
47.5°	2894.4
50°	2477.3
52.5°	1959.0
55°	1365.7
57.5°	830.2
60°	641.9
62.5°	499.1
65°	380.7
67.5°	302.7
70°	257.1
72.5°	230.8
75°	217.7
77.5°	199.4
80°	174.1
82.5°	143.8
85°	109.3
87.5°	74.9
90°	43.5
92.5°	42.5
95°	43.5
97.5°	43.5
100°	44.5
102.5°	44.5
105°	44.5
107.5°	44.5
110°	45.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	45.6
115°	44.5
117.5°	44.5
120°	44.5
122.5°	44.5
125°	43.5
127.5°	43.5
130°	43.5
132.5°	42.5
135°	42.5
137.5°	41.5
140°	41.5
142.5°	41.5
145°	41.5
147.5°	40.5
150°	40.5
152.5°	39.5
155°	37.5
157.5°	36.4
160°	35.4
162.5°	33.4
165°	32.4
167.5°	30.4
170°	29.4
172.5°	27.3
175°	26.3
177.5°	26.3
180°	26.3

(END OF REPORT)