

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: P1504667

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504667
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

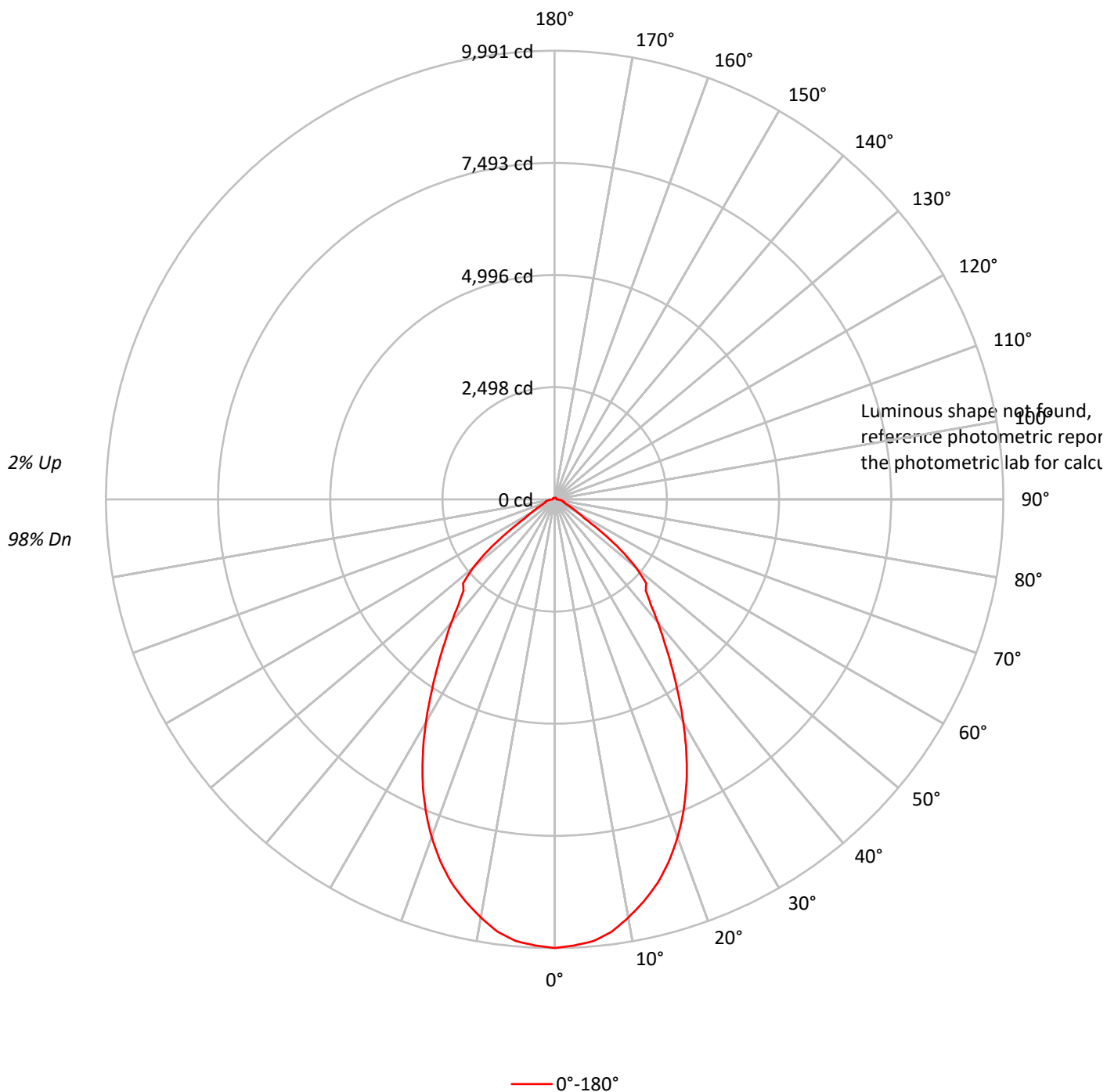
Lumens per Lamp: N/A
Luminaire Lumens: 13867.8 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 102.3
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°	929.2	6.7
10°-20°	2474.0	17.8
20°-30°	3171.5	22.9
30°-40°	2850.5	20.6
40°-50°	2265.5	16.3
50°-60°	1207.0	8.7
60°-70°	384.2	2.8
70°-80°	217.7	1.6
80°-90°	113.6	0.8
90°-100°	45.2	0.3
100°-110°	45.1	0.3
110°-120°	42.6	0.3
120°-130°	37.6	0.3
130°-140°	31.3	0.2
140°-150°	24.7	0.2
150°-160°	16.8	0.1
160°-170°	8.8	0.1
170°-180°	2.5	0.0
0°-30°	6574.7	47.4
0°-40°	9425.2	68.0
0°-60°	12897.7	93.0
0°-90°	13613.2	98.2
90°-120°	132.9	1.0
90°-150°	226.5	1.6
90°-180°	255.0	1.8
0°-180°	13867.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9991	
5°	9873	929
15°	8847	2474
25°	6952	3172
35°	4537	2850
45°	2871	2266
55°	1304	1207
65°	363	384
75°	208	218
85°	104	98
90°	42	27
95°	42	34
105°	42	45
115°	42	43
125°	42	38
135°	41	31
145°	40	25
155°	36	17
165°	31	9
175°	25	2
180°	25	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9991.2
2.5°	9942.8
5°	9873.3
7.5°	9712.9
10°	9453.9
12.5°	9169.8
15°	8847.0
17.5°	8457.6
20°	8005.3
22.5°	7504.7
25°	6952.0
27.5°	6351.9
30°	5728.6
32.5°	5112.0
35°	4537.0
37.5°	4022.0
40°	3567.8
42.5°	3158.1
45°	2871.0
47.5°	2762.8
50°	2364.7
52.5°	1869.9
55°	1303.6
57.5°	792.4
60°	612.7
62.5°	476.4
65°	363.4
67.5°	288.9
70°	245.5
72.5°	220.3
75°	207.8
77.5°	190.4
80°	166.2
82.5°	137.2
85°	104.4
87.5°	71.5
90°	41.6
92.5°	40.6
95°	41.6
97.5°	41.6
100°	42.5
102.5°	42.5
105°	42.5
107.5°	42.5
110°	43.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	43.5
115°	42.5
117.5°	42.5
120°	42.5
122.5°	42.5
125°	41.6
127.5°	41.6
130°	41.6
132.5°	40.6
135°	40.6
137.5°	39.6
140°	39.6
142.5°	39.6
145°	39.6
147.5°	38.7
150°	38.7
152.5°	37.7
155°	35.8
157.5°	34.8
160°	33.8
162.5°	31.9
165°	30.9
167.5°	29.0
170°	28.0
172.5°	26.1
175°	25.1
177.5°	25.1
180°	25.1

(END OF REPORT)