

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: P1504693

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (5000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504693
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-38)
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_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

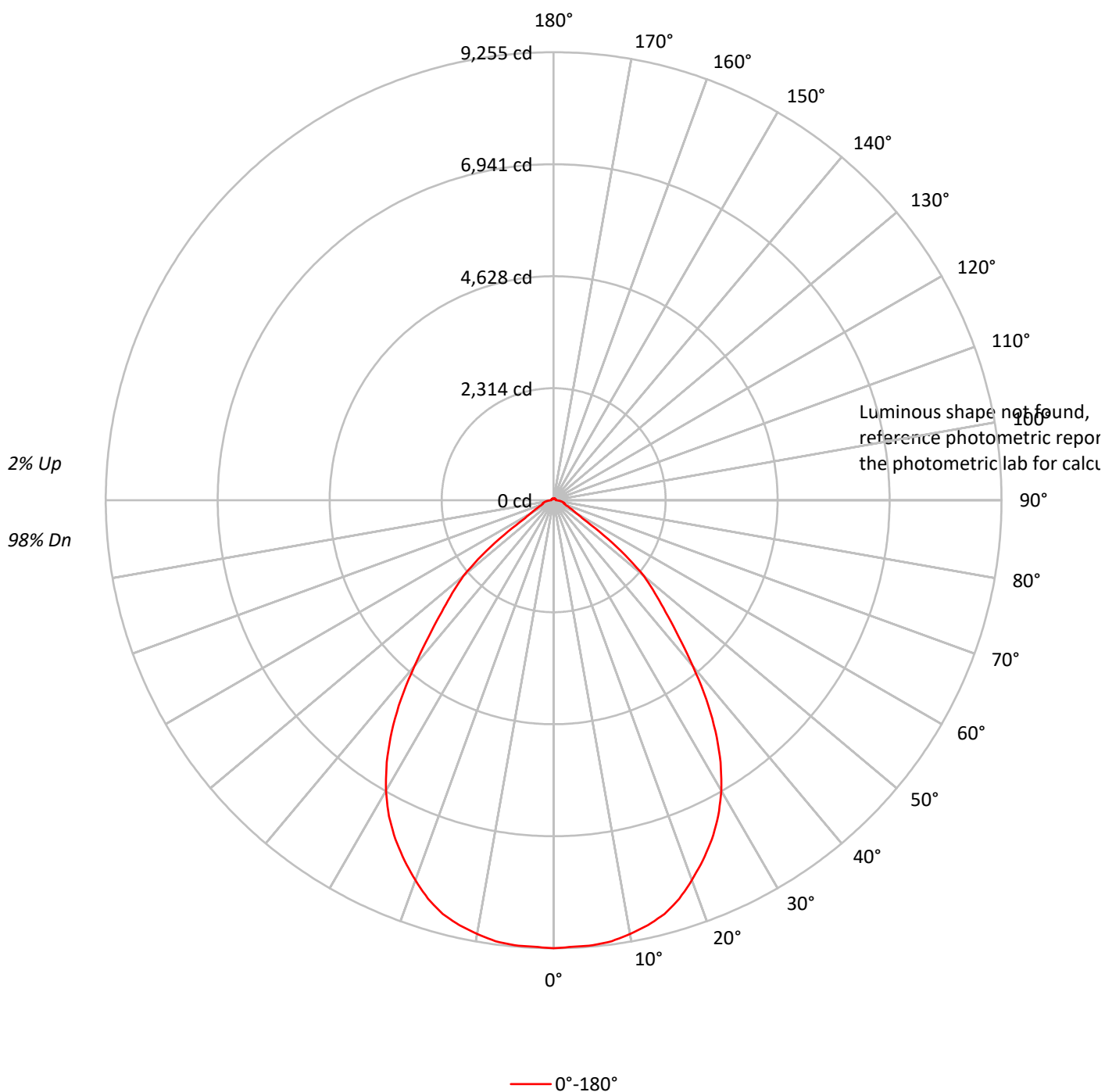
Lumens per Lamp: N/A
Luminaire Lumens: 15254.4 lumens
Efficiency: N/A
Efficacy: 152.4 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 100.1
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	109	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	82	77	95	87	81	77	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	69	88	80	73	68	77	71	67	75	70	66	72	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	64	60	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	54	63	58	54	62	57	53	52		
7	74	63	55	50	72	62	55	50	60	54	50	59	53	49	57	52	49	47		
8	69	58	51	46	68	57	50	46	56	50	45	55	49	45	53	48	45	43		
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	50	45	41	39		
10	62	50	43	39	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	876.9	5.7
10°-20°	2484.0	16.3
20°-30°	3544.1	23.2
30°-40°	3603.7	23.6
40°-50°	2568.9	16.8
50°-60°	1179.4	7.7
60°-70°	369.0	2.4
70°-80°	232.4	1.5
80°-90°	123.5	0.8
90°-100°	48.2	0.3
100°-110°	48.6	0.3
110°-120°	45.6	0.3
120°-130°	40.1	0.3
130°-140°	33.6	0.2
140°-150°	26.4	0.2
150°-160°	17.9	0.1
160°-170°	9.3	0.1
170°-180°	2.6	0.0
0°-30°	6905.0	45.3
0°-40°	10508.7	68.9
0°-60°	14257.0	93.5
0°-90°	14981.9	98.2
90°-120°	142.5	0.9
90°-150°	242.7	1.6
90°-180°	272.0	1.8
0°-180°	15254.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9255	
5°	9230	877
15°	8849	2484
25°	7733	3544
35°	5834	3604
45°	3267	2569
55°	1250	1179
65°	355	369
75°	222	232
85°	115	107
90°	44	29
95°	44	36
105°	46	49
115°	46	46
125°	45	40
135°	43	34
145°	42	26
155°	39	18
165°	33	9
175°	27	3
180°	27	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9254.6
2.5°	9231.1
5°	9230.0
7.5°	9189.0
10°	9097.8
12.5°	8994.3
15°	8848.8
17.5°	8632.6
20°	8352.8
22.5°	8053.6
25°	7732.9
27.5°	7363.9
30°	6930.5
32.5°	6418.1
35°	5834.0
37.5°	5185.3
40°	4471.0
42.5°	3822.4
45°	3266.9
47.5°	2838.6
50°	2429.7
52.5°	1868.1
55°	1250.2
57.5°	724.5
60°	557.5
62.5°	441.7
65°	354.6
67.5°	291.0
70°	257.2
72.5°	235.7
75°	222.4
77.5°	203.9
80°	178.3
82.5°	148.6
85°	114.8
87.5°	78.9
90°	44.1
92.5°	43.0
95°	44.1
97.5°	45.1
100°	45.1
102.5°	46.1
105°	46.1
107.5°	46.1
110°	46.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	46.1
115°	46.1
117.5°	46.1
120°	45.1
122.5°	45.1
125°	45.1
127.5°	44.1
130°	44.1
132.5°	44.1
135°	43.0
137.5°	43.0
140°	43.0
142.5°	42.0
145°	42.0
147.5°	42.0
150°	41.0
152.5°	40.0
155°	38.9
157.5°	36.9
160°	35.9
162.5°	33.8
165°	32.8
167.5°	30.7
170°	28.7
172.5°	27.7
175°	26.6
177.5°	26.6
180°	26.6

(END OF REPORT)