

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: P1504700

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504700
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_L12_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

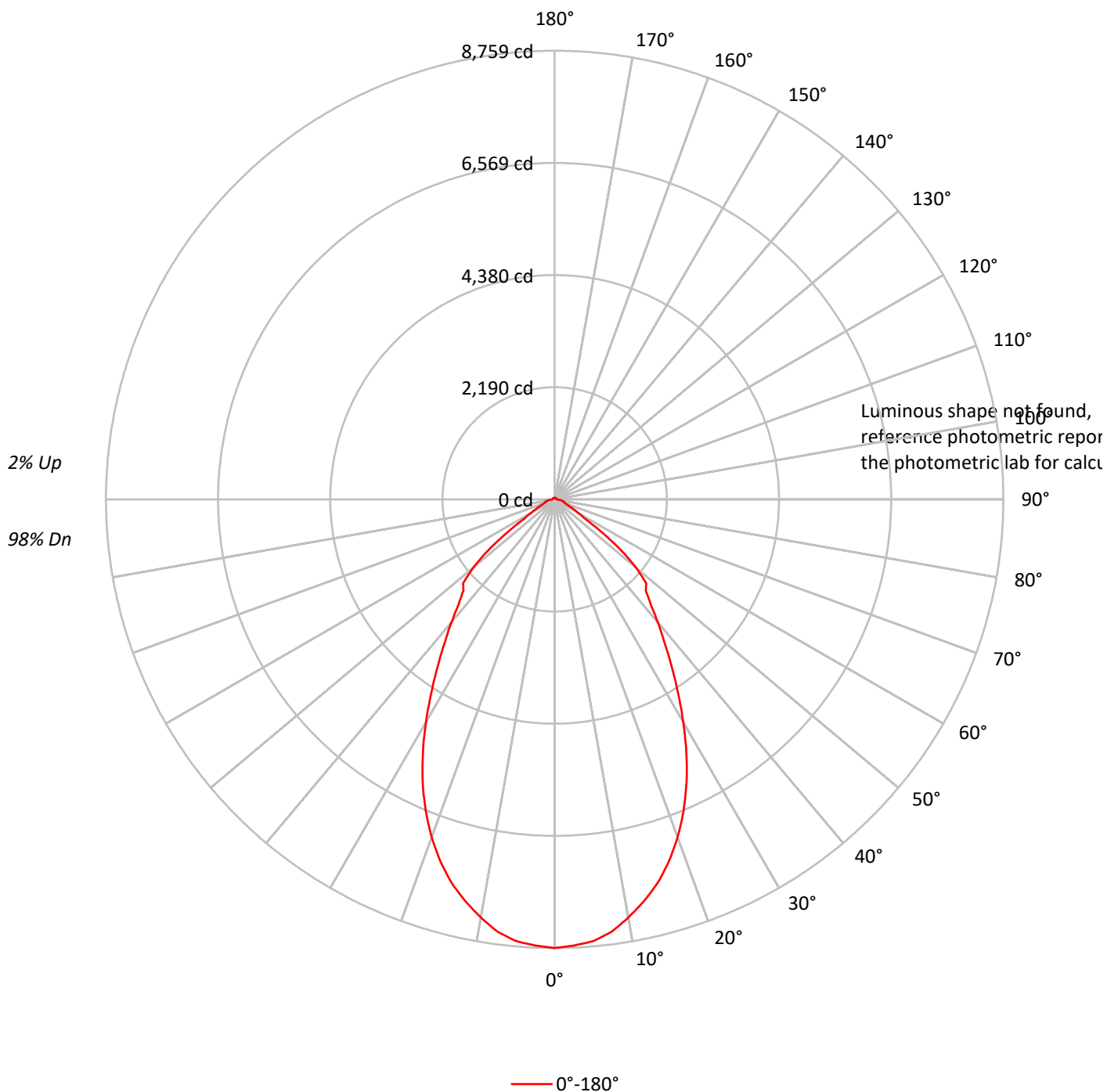
Lumens per Lamp: N/A
Luminaire Lumens: 12157.8 lumens
Efficiency: N/A
Efficacy: 146.5 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 83
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°	814.6	6.7
10°-20°	2169.0	17.8
20°-30°	2780.5	22.9
30°-40°	2499.0	20.6
40°-50°	1986.2	16.3
50°-60°	1058.1	8.7
60°-70°	336.8	2.8
70°-80°	190.9	1.6
80°-90°	99.6	0.8
90°-100°	39.6	0.3
100°-110°	39.6	0.3
110°-120°	37.3	0.3
120°-130°	33.0	0.3
130°-140°	27.4	0.2
140°-150°	21.6	0.2
150°-160°	14.7	0.1
160°-170°	7.7	0.1
170°-180°	2.2	0.0
0°-30°	5764.1	47.4
0°-40°	8263.1	68.0
0°-60°	11307.4	93.0
0°-90°	11934.7	98.2
90°-120°	116.5	1.0
90°-150°	198.5	1.6
90°-180°	223.0	1.8
0°-180°	12157.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8759	
5°	8656	815
15°	7756	2169
25°	6095	2780
35°	3978	2499
45°	2517	1986
55°	1143	1058
65°	318	337
75°	182	191
85°	92	86
90°	36	23
95°	36	30
105°	37	40
115°	37	37
125°	36	33
135°	36	27
145°	35	22
155°	31	15
165°	27	8
175°	22	2
180°	22	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8759.3
2.5°	8716.9
5°	8655.9
7.5°	8515.3
10°	8288.2
12.5°	8039.2
15°	7756.2
17.5°	7414.8
20°	7018.3
22.5°	6579.4
25°	6094.8
27.5°	5568.7
30°	5022.2
32.5°	4481.7
35°	3977.6
37.5°	3526.1
40°	3127.9
42.5°	2768.7
45°	2517.1
47.5°	2422.2
50°	2073.1
52.5°	1639.3
55°	1142.9
57.5°	694.7
60°	537.1
62.5°	417.7
65°	318.5
67.5°	253.3
70°	215.2
72.5°	193.2
75°	182.1
77.5°	166.9
80°	145.7
82.5°	120.3
85°	91.5
87.5°	62.7
90°	36.4
92.5°	35.6
95°	36.4
97.5°	36.4
100°	37.3
102.5°	37.3
105°	37.3
107.5°	37.3
110°	38.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	38.1
115°	37.3
117.5°	37.3
120°	37.3
122.5°	37.3
125°	36.4
127.5°	36.4
130°	36.4
132.5°	35.6
135°	35.6
137.5°	34.7
140°	34.7
142.5°	34.7
145°	34.7
147.5°	33.9
150°	33.9
152.5°	33.0
155°	31.3
157.5°	30.5
160°	29.7
162.5°	28.0
165°	27.1
167.5°	25.4
170°	24.6
172.5°	22.9
175°	22.0
177.5°	22.0
180°	22.0

(END OF REPORT)