

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: P1504664

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504664
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_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

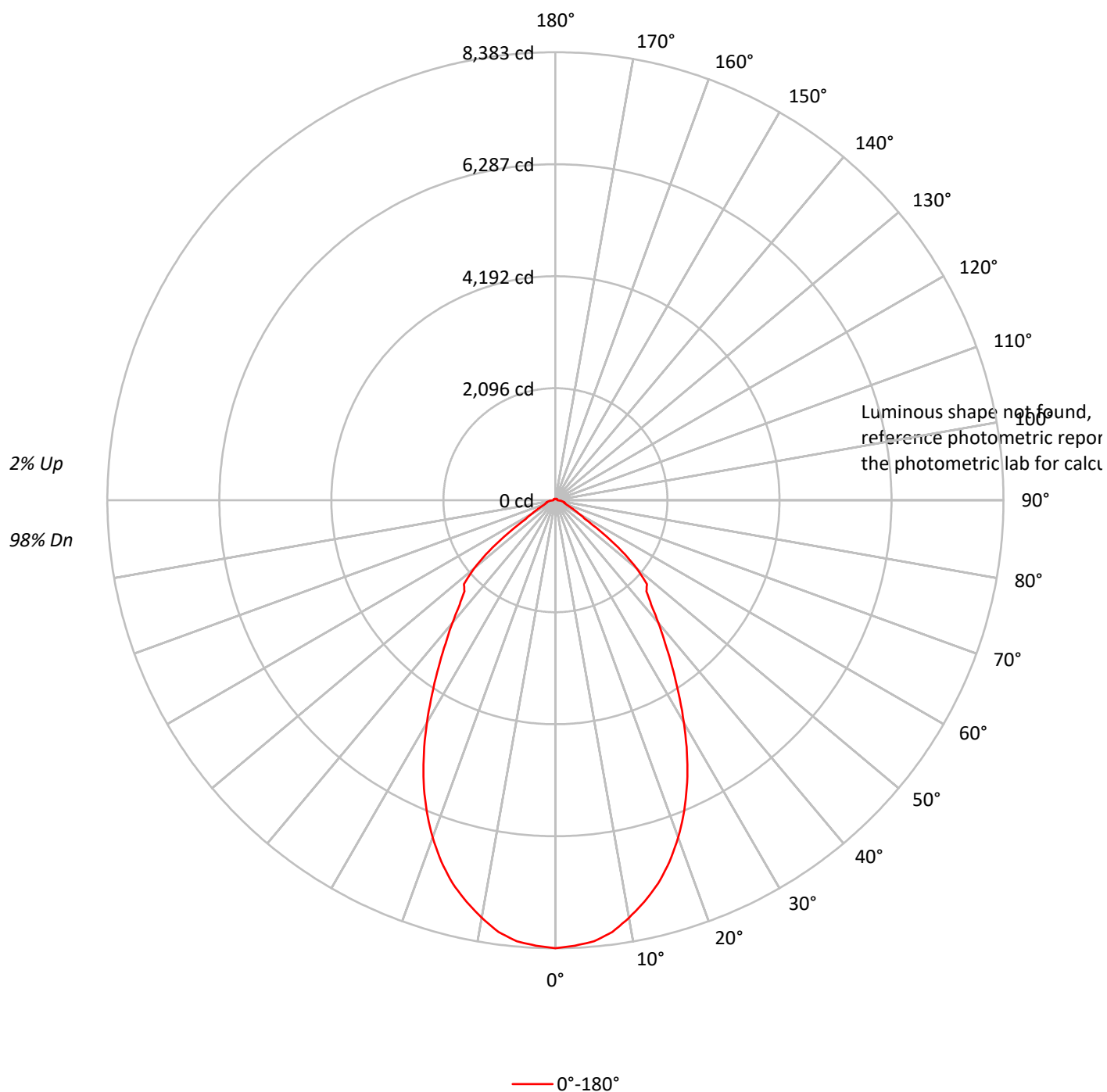
Lumens per Lamp: N/A
Luminaire Lumens: 11635.7 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 82.8
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



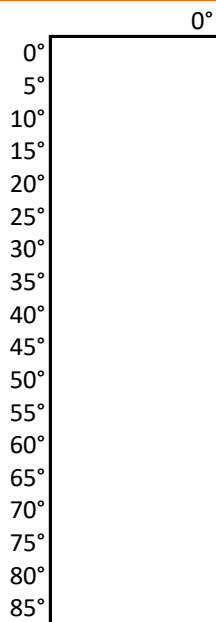
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	779.6	6.7
10°-20°	2075.8	17.8
20°-30°	2661.0	22.9
30°-40°	2391.7	20.6
40°-50°	1900.9	16.3
50°-60°	1012.7	8.7
60°-70°	322.4	2.8
70°-80°	182.7	1.6
80°-90°	95.3	0.8
90°-100°	38.0	0.3
100°-110°	37.9	0.3
110°-120°	35.7	0.3
120°-130°	31.6	0.3
130°-140°	26.2	0.2
140°-150°	20.7	0.2
150°-160°	14.1	0.1
160°-170°	7.4	0.1
170°-180°	2.1	0.0
0°-30°	5516.5	47.4
0°-40°	7908.1	68.0
0°-60°	10821.7	93.0
0°-90°	11422.1	98.2
90°-120°	111.6	1.0
90°-150°	190.1	1.6
90°-180°	214.0	1.8
0°-180°	11635.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8383	
5°	8284	780
15°	7423	2076
25°	5833	2661
35°	3807	2392
45°	2409	1901
55°	1094	1013
65°	305	322
75°	174	183
85°	88	82
90°	35	22
95°	35	29
105°	36	38
115°	36	36
125°	35	32
135°	34	26
145°	33	21
155°	30	14
165°	26	7
175°	21	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8383.0
2.5°	8342.5
5°	8284.1
7.5°	8149.5
10°	7932.2
12.5°	7693.8
15°	7423.0
17.5°	7096.3
20°	6716.8
22.5°	6296.8
25°	5833.0
27.5°	5329.5
30°	4806.5
32.5°	4289.2
35°	3806.8
37.5°	3374.6
40°	2993.5
42.5°	2649.7
45°	2408.9
47.5°	2318.1
50°	1984.1
52.5°	1568.9
55°	1093.8
57.5°	664.9
60°	514.1
62.5°	399.7
65°	304.9
67.5°	242.4
70°	205.9
72.5°	184.9
75°	174.3
77.5°	159.7
80°	139.5
82.5°	115.1
85°	87.6
87.5°	60.0
90°	34.9
92.5°	34.1
95°	34.9
97.5°	34.9
100°	35.7
102.5°	35.7
105°	35.7
107.5°	35.7
110°	36.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	36.5
115°	35.7
117.5°	35.7
120°	35.7
122.5°	35.7
125°	34.9
127.5°	34.9
130°	34.9
132.5°	34.1
135°	34.1
137.5°	33.2
140°	33.2
142.5°	33.2
145°	33.2
147.5°	32.4
150°	32.4
152.5°	31.6
155°	30.0
157.5°	29.2
160°	28.4
162.5°	26.8
165°	25.9
167.5°	24.3
170°	23.5
172.5°	21.9
175°	21.1
177.5°	21.1
180°	21.1

(END OF REPORT)