

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: P1504649

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (5000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504649
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-31)
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-CLER-PS (5000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

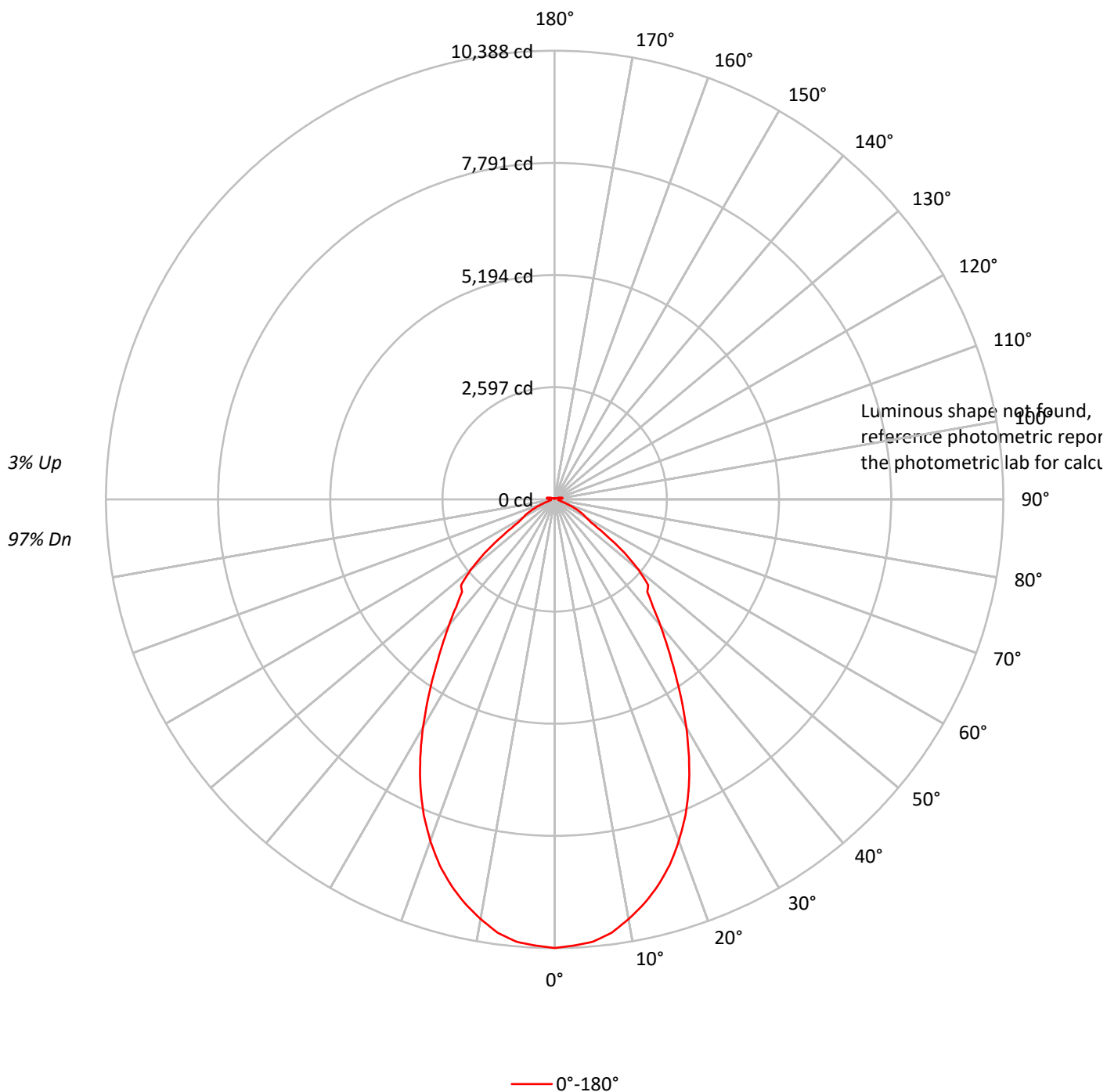
Lumens per Lamp: N/A
Luminaire Lumens: 15051.8 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

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





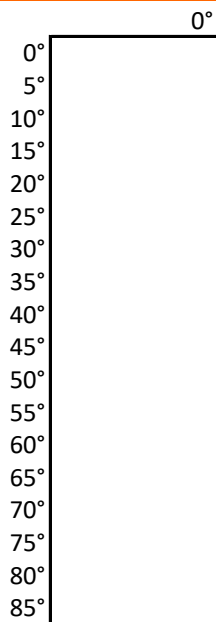
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	103	97	92	88	101	95	90	86	91	87	84	88	85	82	84	82	80	77		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	58	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	61	55	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	42		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	49	44	41	39		
10	62	50	43	39	60	50	43	39	48	42	38	47	42	38	46	41	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°	967.9	6.4
10°-20°	2590.4	17.2
20°-30°	3353.5	22.3
30°-40°	3033.2	20.2
40°-50°	2410.0	16.0
50°-60°	1377.7	9.2
60°-70°	567.3	3.8
70°-80°	167.2	1.1
80°-90°	97.6	0.6
90°-100°	169.4	1.1
100°-110°	164.5	1.1
110°-120°	75.2	0.5
120°-130°	27.7	0.2
130°-140°	17.8	0.1
140°-150°	14.4	0.1
150°-160°	10.4	0.1
160°-170°	5.8	0.0
170°-180°	1.7	0.0
0°-30°	6911.8	45.9
0°-40°	9944.9	66.1
0°-60°	13732.6	91.2
0°-90°	14564.7	96.8
90°-120°	409.2	2.7
90°-150°	469.2	3.1
90°-180°	487.0	3.2
0°-180°	15051.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10388	
5°	10278	968
15°	9254	2590
25°	7353	3353
35°	4826	3033
45°	3027	2410
55°	1476	1378
65°	582	567
75°	140	167
85°	82	71
90°	107	60
95°	161	137
105°	158	165
115°	73	75
125°	29	28
135°	22	18
145°	22	14
155°	22	10
165°	20	6
175°	17	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10388.0
2.5°	10337.8
5°	10278.4
7.5°	10118.5
10°	9867.4
12.5°	9584.6
15°	9253.6
17.5°	8870.3
20°	8411.2
22.5°	7912.2
25°	7352.7
27.5°	6736.8
30°	6091.2
32.5°	5441.5
35°	4825.6
37.5°	4278.4
40°	3803.9
42.5°	3372.5
45°	3027.1
47.5°	2941.1
50°	2531.2
52.5°	2040.3
55°	1475.7
57.5°	1006.3
60°	849.5
62.5°	720.4
65°	582.1
67.5°	430.4
70°	285.9
72.5°	187.5
75°	140.4
77.5°	115.8
80°	96.3
82.5°	84.0
85°	82.0
87.5°	90.2
90°	106.6
92.5°	133.2
95°	160.9
97.5°	181.4
100°	185.5
102.5°	176.3
105°	157.8
107.5°	137.3
110°	113.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	93.3
115°	72.8
117.5°	56.4
120°	44.1
122.5°	34.8
125°	28.7
127.5°	25.6
130°	23.6
132.5°	22.5
135°	22.5
137.5°	23.6
140°	23.6
142.5°	23.6
145°	22.5
147.5°	22.5
150°	22.5
152.5°	22.5
155°	22.5
157.5°	22.5
160°	21.5
162.5°	21.5
165°	20.5
167.5°	19.5
170°	18.4
172.5°	18.4
175°	17.4
177.5°	18.4
180°	18.4

(END OF REPORT)