

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: P1504265

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (3000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504265
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-19)
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-A-04-CLER-PS (3000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

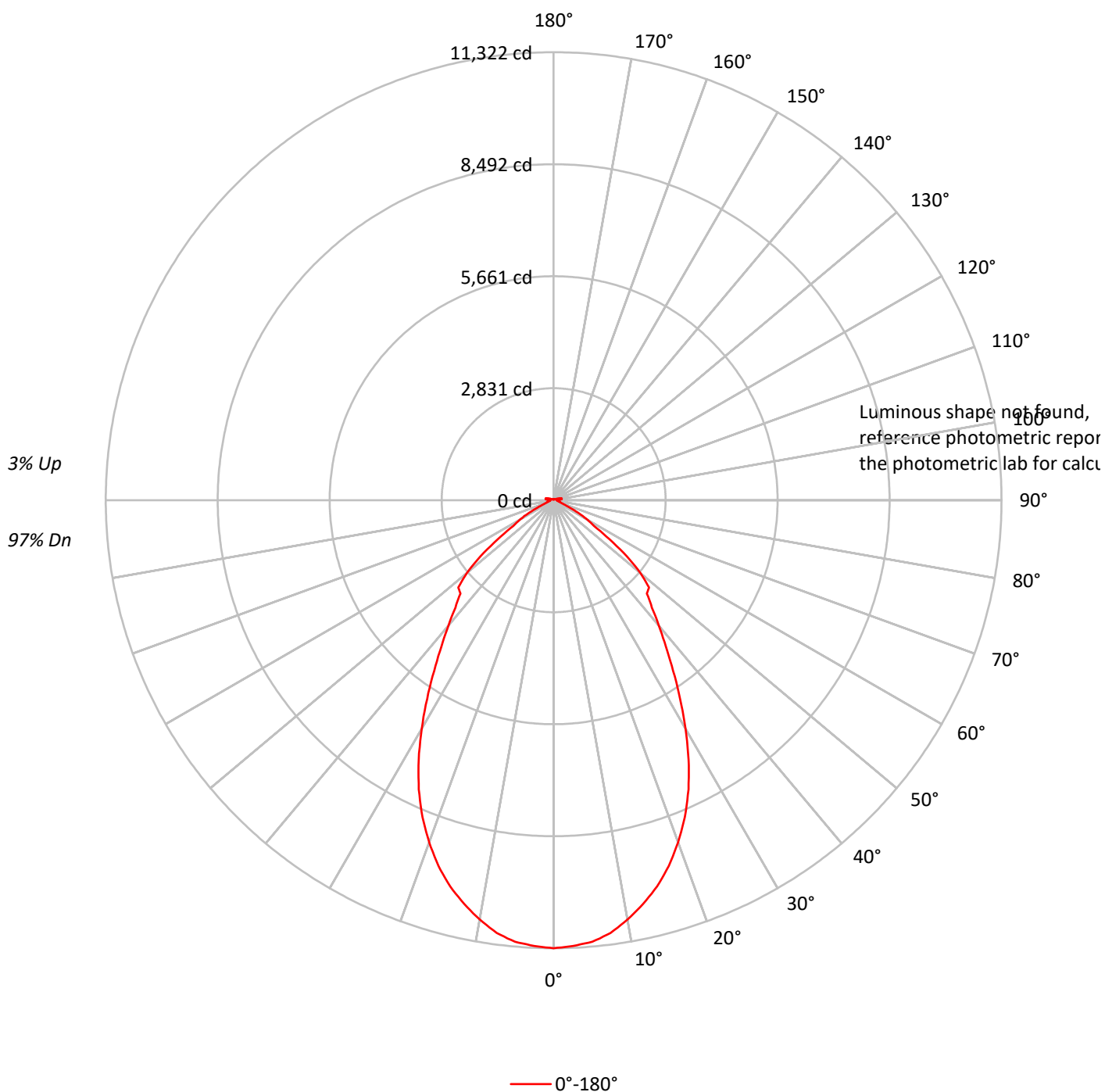
Lumens per Lamp: N/A
Luminaire Lumens: 16472.1 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 122.9
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	50	30	10	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	99	99			
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	89	89	89	89	87			
2	104	97	92	88	101	95	91	87	91	87	84	88	85	82	84	82	80	80	80	80	80	78			
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	71	71	71	71	69			
4	90	80	74	68	88	79	73	68	76	71	66	74	69	65	71	67	64	64	64	64	64	62			
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	61	58	58	58	58	58	56			
6	79	68	60	55	77	67	60	55	65	59	54	63	57	53	61	56	53	53	53	53	53	51			
7	74	62	55	50	72	61	55	50	60	54	49	58	53	49	57	52	48	48	48	48	48	46			
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	44	44	44	44	42			
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	49	44	41	41	41	41	41	39			
10	62	50	43	39	60	50	43	39	48	42	38	47	42	38	46	41	38	38	38	38	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°	1055.1	6.4
10°-20°	2828.4	17.2
20°-30°	3674.6	22.3
30°-40°	3310.1	20.1
40°-50°	2656.2	16.1
50°-60°	1596.6	9.7
60°-70°	522.8	3.2
70°-80°	167.2	1.0
80°-90°	104.9	0.6
90°-100°	180.5	1.1
100°-110°	195.5	1.2
110°-120°	89.6	0.5
120°-130°	33.1	0.2
130°-140°	20.2	0.1
140°-150°	17.0	0.1
150°-160°	12.3	0.1
160°-170°	6.1	0.0
170°-180°	1.7	0.0
0°-30°	7558.1	45.9
0°-40°	10868.3	66.0
0°-60°	15121.1	91.8
0°-90°	15916.0	96.6
90°-120°	465.7	2.8
90°-150°	536.0	3.3
90°-180°	556.0	3.4
0°-180°	16472.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11322	
5°	11202	###
15°	10106	2828
25°	8063	3675
35°	5267	3310
45°	3332	2656
55°	1721	1597
65°	476	523
75°	156	167
85°	88	77
90°	109	61
95°	168	147
105°	191	196
115°	86	90
125°	35	33
135°	26	20
145°	27	17
155°	27	12
165°	21	6
175°	17	2
180°	17	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11322.4
2.5°	11273.0
5°	11202.2
7.5°	11030.3
10°	10758.4
12.5°	10451.7
15°	10105.7
17.5°	9690.0
20°	9200.1
22.5°	8666.5
25°	8063.2
27.5°	7388.0
30°	6669.0
32.5°	5952.2
35°	5266.9
37.5°	4654.6
40°	4136.6
42.5°	3676.0
45°	3332.2
47.5°	3267.1
50°	2870.5
52.5°	2331.2
55°	1721.2
57.5°	1208.9
60°	998.8
62.5°	737.0
65°	476.4
67.5°	305.6
70°	218.0
72.5°	177.5
75°	156.2
77.5°	134.8
80°	112.3
82.5°	93.2
85°	87.6
87.5°	93.2
90°	109.0
92.5°	137.1
95°	168.5
97.5°	196.6
100°	211.2
102.5°	207.8
105°	191.0
107.5°	165.2
110°	137.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	110.1
115°	86.5
117.5°	67.4
120°	52.8
122.5°	41.6
125°	34.8
127.5°	30.3
130°	27.0
132.5°	25.8
135°	25.8
137.5°	25.8
140°	27.0
142.5°	27.0
145°	27.0
147.5°	27.0
150°	28.1
152.5°	27.0
155°	27.0
157.5°	25.8
160°	23.6
162.5°	22.5
165°	21.3
167.5°	20.2
170°	19.1
172.5°	18.0
175°	16.9
177.5°	16.9
180°	16.9

(END OF REPORT)