

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: P1504623

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (3000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504623
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: Prenalux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (3000K_L16_Wide_120V)
Description: Prenalux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

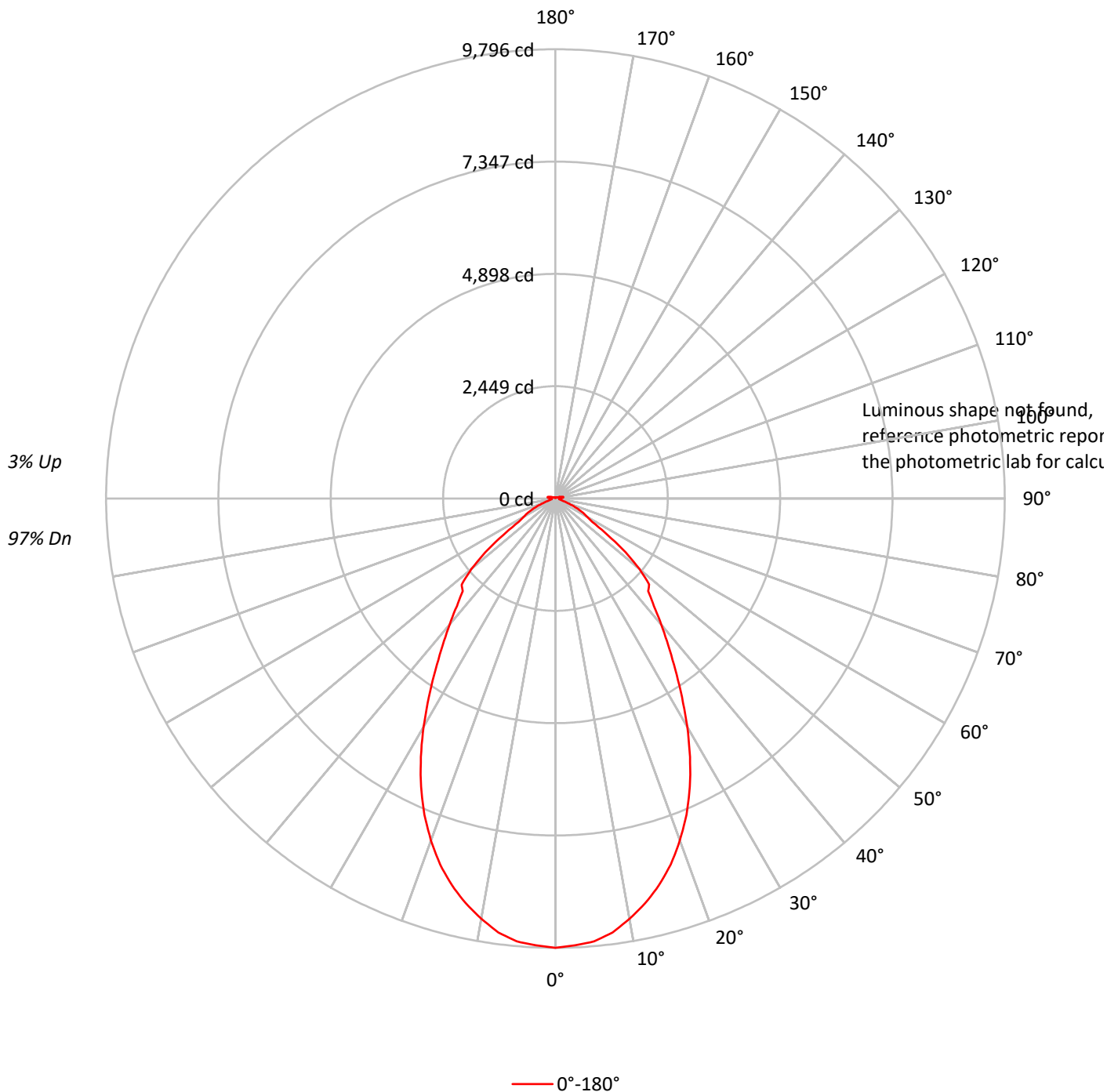
Lumens per Lamp: N/A
Luminaire Lumens: 14193.9 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 102.3
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





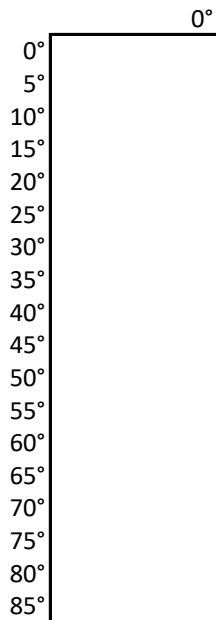
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	103	97	92	88	101	95	90	86	91	87	84	88	85	82	84	82	80	80	80	80	80	77			
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	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	64	64	64	64	62			
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	61	58	58	58	58	58	56			
6	79	68	60	55	77	67	60	55	65	58	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°	912.7	6.4
10°-20°	2442.8	17.2
20°-30°	3162.3	22.3
30°-40°	2860.3	20.2
40°-50°	2272.6	16.0
50°-60°	1299.1	9.2
60°-70°	535.0	3.8
70°-80°	157.7	1.1
80°-90°	92.0	0.6
90°-100°	159.7	1.1
100°-110°	155.2	1.1
110°-120°	70.9	0.5
120°-130°	26.2	0.2
130°-140°	16.8	0.1
140°-150°	13.6	0.1
150°-160°	9.8	0.1
160°-170°	5.5	0.0
170°-180°	1.6	0.0
0°-30°	6517.8	45.9
0°-40°	9378.1	66.1
0°-60°	12949.9	91.2
0°-90°	13734.5	96.8
90°-120°	385.8	2.7
90°-150°	442.4	3.1
90°-180°	459.0	3.2
0°-180°	14193.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9796	
5°	9693	913
15°	8726	2443
25°	6934	3162
35°	4551	2860
45°	2855	2273
55°	1392	1299
65°	549	535
75°	132	158
85°	77	67
90°	100	56
95°	152	129
105°	149	155
115°	69	71
125°	27	26
135°	21	17
145°	21	14
155°	21	10
165°	19	5
175°	16	2
180°	17	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9796.0
2.5°	9748.6
5°	9692.6
7.5°	9541.8
10°	9305.0
12.5°	9038.3
15°	8726.2
17.5°	8364.8
20°	7931.9
22.5°	7461.2
25°	6933.6
27.5°	6352.8
30°	5744.0
32.5°	5131.4
35°	4550.6
37.5°	4034.5
40°	3587.1
42.5°	3180.3
45°	2854.6
47.5°	2773.4
50°	2386.9
52.5°	1924.0
55°	1391.6
57.5°	949.0
60°	801.1
62.5°	679.3
65°	548.9
67.5°	405.9
70°	269.6
72.5°	176.8
75°	132.4
77.5°	109.2
80°	90.8
82.5°	79.2
85°	77.3
87.5°	85.0
90°	100.5
92.5°	125.6
95°	151.7
97.5°	171.0
100°	174.9
102.5°	166.2
105°	148.8
107.5°	129.5
110°	107.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	87.9
115°	68.6
117.5°	53.1
120°	41.6
122.5°	32.9
125°	27.1
127.5°	24.2
130°	22.2
132.5°	21.3
135°	21.3
137.5°	22.2
140°	22.2
142.5°	22.2
145°	21.3
147.5°	21.3
150°	21.3
152.5°	21.3
155°	21.3
157.5°	21.3
160°	20.3
162.5°	20.3
165°	19.3
167.5°	18.4
170°	17.4
172.5°	17.4
175°	16.4
177.5°	17.4
180°	17.4

(END OF REPORT)