

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: P1504266

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (3000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504266
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-21)
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_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

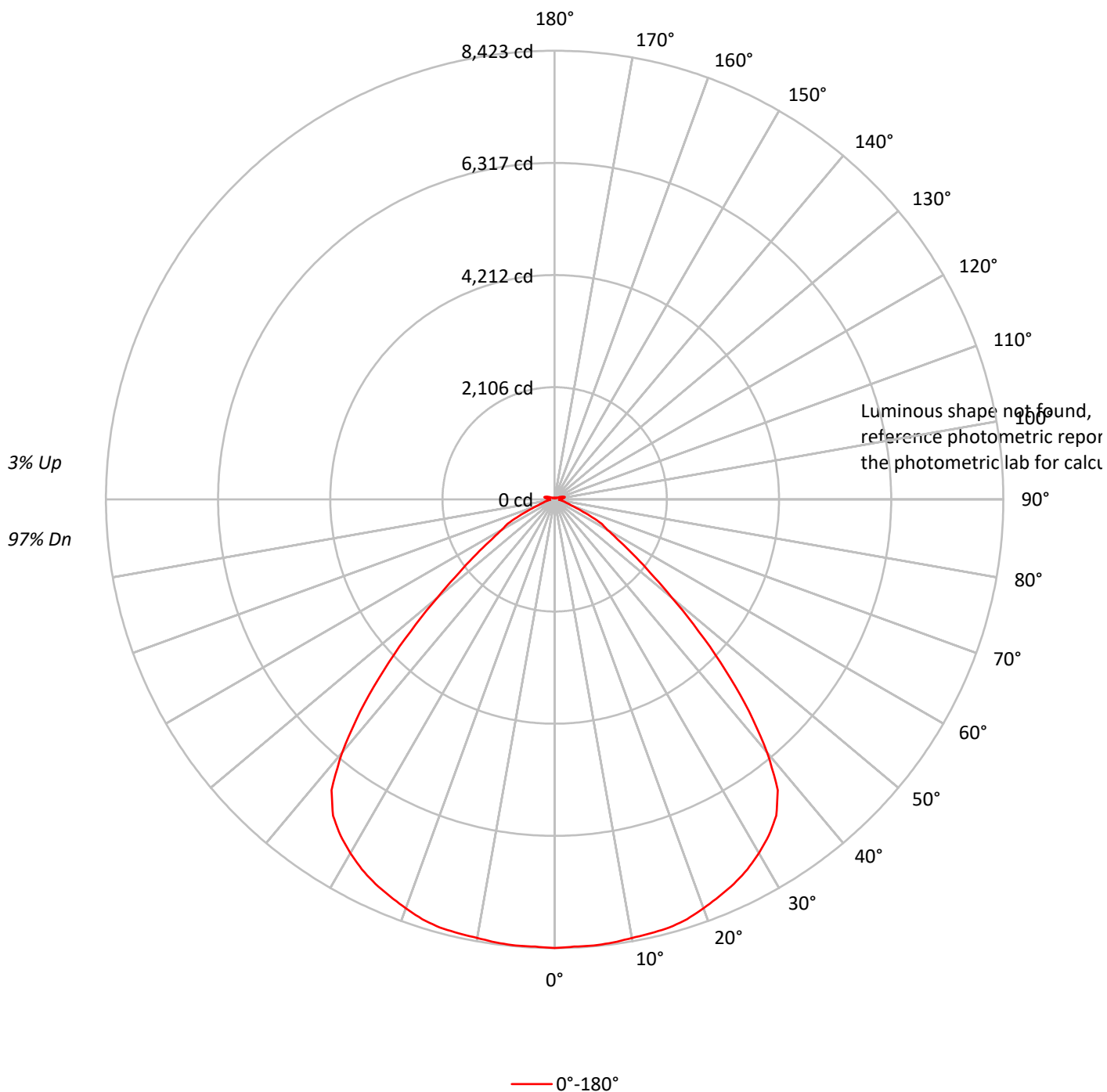
Lumens per Lamp: N/A
Luminaire Lumens: 18054.4 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

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



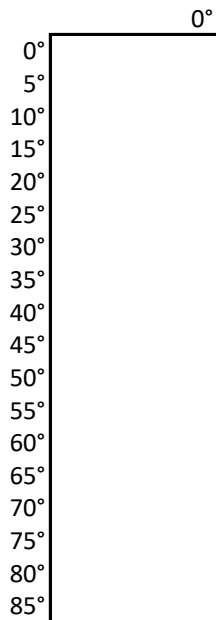
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	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	99	99	99	99	99	97			
1	111	107	104	101	108	104	101	99	100	97	95	95	93	92	91	90	89	89	89	89	89	89	86			
2	103	96	91	86	100	94	89	85	90	86	83	87	83	80	83	81	78	78	78	78	78	78	76			
3	95	87	80	75	93	85	79	74	82	77	72	79	74	71	76	72	69	69	69	69	69	69	67			
4	88	78	71	66	86	77	70	65	74	68	64	72	67	63	69	65	62	62	62	62	62	62	60			
5	82	71	64	58	80	70	63	58	68	61	57	66	60	56	64	59	55	55	55	55	55	55	53			
6	77	65	57	52	75	64	57	51	62	55	51	60	54	50	58	53	49	49	49	49	49	49	48			
7	71	59	52	46	70	59	51	46	57	50	46	55	49	45	54	49	45	45	45	45	45	45	43			
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	50	44	40	40	40	40	40	40	39			
9	63	50	43	38	61	50	43	38	48	42	38	47	41	37	46	41	37	37	37	37	37	37	35			
10	59	47	40	35	57	46	39	35	45	39	34	44	38	34	43	38	34	34	34	34	34	34	32			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	801.0	4.4
10°-20°	2349.9	13.0
20°-30°	3671.4	20.3
30°-40°	4467.5	24.7
40°-50°	3477.7	19.3
50°-60°	1656.1	9.2
60°-70°	727.0	4.0
70°-80°	234.0	1.3
80°-90°	108.4	0.6
90°-100°	150.3	0.8
100°-110°	189.0	1.0
110°-120°	101.2	0.6
120°-130°	41.4	0.2
130°-140°	27.9	0.2
140°-150°	23.9	0.1
150°-160°	17.1	0.1
160°-170°	8.4	0.0
170°-180°	2.0	0.0
0°-30°	6822.3	37.8
0°-40°	11289.8	62.5
0°-60°	16423.7	91.0
0°-90°	17493.2	96.9
90°-120°	440.5	2.4
90°-150°	533.8	3.0
90°-180°	561.0	3.1
0°-180°	18054.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8423	
5°	8408	801
15°	8323	2350
25°	7964	3671
35°	7250	4468
45°	4536	3478
55°	1783	1656
65°	735	727
75°	215	234
85°	91	85
90°	88	50
95°	137	124
105°	185	189
115°	100	101
125°	44	41
135°	36	28
145°	38	24
155°	37	17
165°	29	8
175°	19	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8422.7
2.5°	8404.7
5°	8408.1
7.5°	8391.2
10°	8359.8
12.5°	8344.1
15°	8322.7
17.5°	8264.3
20°	8168.8
22.5°	8068.8
25°	7964.3
27.5°	7832.9
30°	7668.8
32.5°	7482.4
35°	7249.8
37.5°	6880.2
40°	6210.6
42.5°	5403.9
45°	4535.5
47.5°	3665.9
50°	2873.9
52.5°	2257.1
55°	1783.0
57.5°	1399.9
60°	1145.9
62.5°	993.2
65°	734.8
67.5°	484.2
70°	334.8
72.5°	258.4
75°	214.6
77.5°	177.5
80°	139.3
82.5°	109.0
85°	91.0
87.5°	84.3
90°	87.6
92.5°	107.9
95°	137.1
97.5°	168.5
100°	188.7
102.5°	194.4
105°	185.4
107.5°	167.4
110°	144.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	121.3
115°	100.0
117.5°	79.8
120°	64.0
122.5°	51.7
125°	43.8
127.5°	38.2
130°	36.0
132.5°	34.8
135°	36.0
137.5°	37.1
140°	37.1
142.5°	38.2
145°	38.2
147.5°	38.2
150°	38.2
152.5°	38.2
155°	37.1
157.5°	36.0
160°	33.7
162.5°	31.5
165°	29.2
167.5°	27.0
170°	23.6
172.5°	21.3
175°	19.1
177.5°	18.0
180°	18.0

(END OF REPORT)