

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: P1504822

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (4000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504822
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-56)
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-06-CLER-PS (4000K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

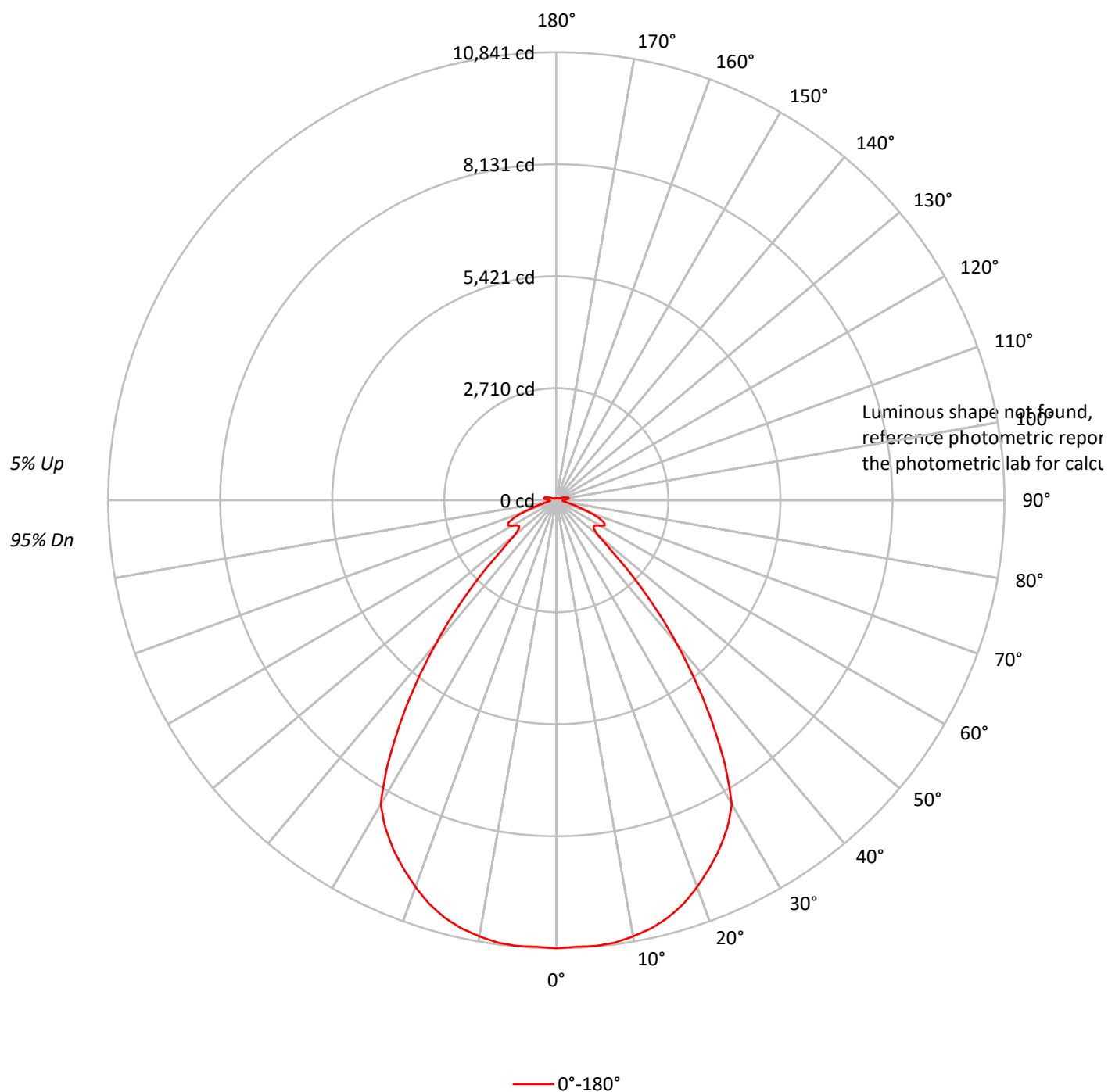
Lumens per Lamp: N/A
Luminaire Lumens: 18109.7 lumens
Efficiency: N/A
Efficacy: 151.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.09
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 119.3
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





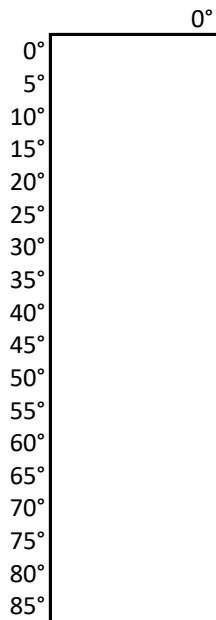
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
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	103	103	103	98	98	98	95			
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	88	87	85			
2	102	96	90	86	100	94	89	85	90	85	82	86	82	79	82	79	77	75			
3	95	87	80	75	93	85	79	74	82	77	72	78	74	71	75	72	69	67			
4	89	79	72	67	86	78	71	66	75	69	65	72	67	63	69	65	62	60			
5	83	72	65	60	81	71	64	59	69	63	58	66	61	57	64	60	56	54			
6	78	67	59	54	76	66	59	53	63	57	53	61	56	52	60	55	51	49			
7	73	62	54	49	71	61	54	49	59	53	48	57	52	47	55	51	47	45			
8	69	57	50	45	67	56	49	45	55	48	44	53	48	44	52	47	43	41			
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	48	43	40	38			
10	61	50	43	38	60	49	42	38	48	42	38	46	41	37	45	40	37	35			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1030.1	5.7
10°-20°	2940.0	16.2
20°-30°	4279.3	23.6
30°-40°	4072.2	22.5
40°-50°	2075.0	11.5
50°-60°	1040.7	5.7
60°-70°	1172.1	6.5
70°-80°	473.2	2.6
80°-90°	177.2	1.0
90°-100°	272.7	1.5
100°-110°	269.4	1.5
110°-120°	128.3	0.7
120°-130°	58.3	0.3
130°-140°	44.6	0.2
140°-150°	34.9	0.2
150°-160°	23.9	0.1
160°-170°	13.9	0.1
170°-180°	3.9	0.0
0°-30°	8249.4	45.6
0°-40°	12321.6	68.0
0°-60°	15437.3	85.2
0°-90°	17259.7	95.3
90°-120°	670.4	3.7
90°-150°	808.1	4.5
90°-180°	850.0	4.7
0°-180°	18109.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10841	
5°	10827	###
15°	10454	2940
25°	9324	4279
35°	6578	4072
45°	2630	2075
55°	1096	1041
65°	1273	1172
75°	401	473
85°	148	132
90°	173	97
95°	256	220
105°	259	269
115°	125	128
125°	62	58
135°	58	45
145°	56	35
155°	51	24
165°	50	14
175°	40	4
180°	42	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10841.1
2.5°	10816.1
5°	10826.8
7.5°	10799.5
10°	10715.2
12.5°	10609.5
15°	10453.9
17.5°	10238.9
20°	9958.6
22.5°	9649.8
25°	9324.4
27.5°	8950.3
30°	8490.7
32.5°	7601.1
35°	6578.5
37.5°	5553.6
40°	4527.4
42.5°	3561.8
45°	2629.5
47.5°	1791.0
50°	1308.8
52.5°	1147.3
55°	1096.2
57.5°	1128.3
60°	1232.8
62.5°	1323.1
65°	1273.2
67.5°	1096.2
70°	849.2
72.5°	596.2
75°	401.4
77.5°	276.7
80°	199.5
82.5°	161.5
85°	148.5
87.5°	153.2
90°	173.4
92.5°	211.4
95°	256.5
97.5°	293.4
100°	305.2
102.5°	289.8
105°	258.9
107.5°	222.1
110°	186.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	154.4
115°	124.7
117.5°	101.0
120°	81.9
122.5°	70.1
125°	61.8
127.5°	58.2
130°	55.8
132.5°	57.0
135°	58.2
137.5°	58.2
140°	58.2
142.5°	57.0
145°	55.8
147.5°	53.4
150°	52.3
152.5°	52.3
155°	51.1
157.5°	51.1
160°	52.3
162.5°	51.1
165°	49.9
167.5°	46.3
170°	42.8
172.5°	40.4
175°	40.4
177.5°	40.4
180°	41.6

(END OF REPORT)