

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: P1504841

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (6500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504841
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-55)
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 (6500K_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

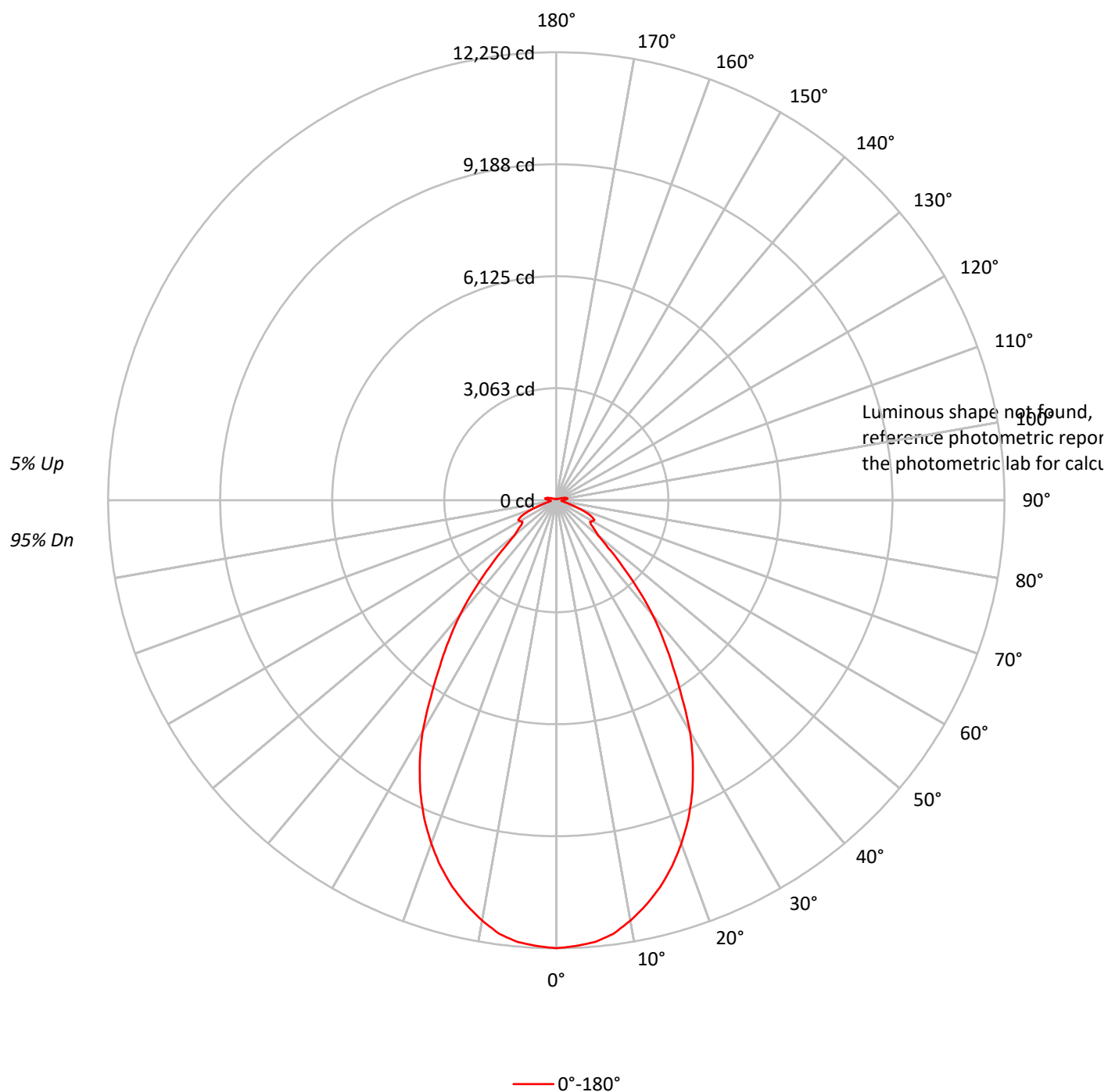
Lumens per Lamp: N/A
Luminaire Lumens: 17204.8 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 123.3
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	0		
RCR																				
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95		
1	110	107	103	100	107	104	101	98	99	96	94	94	92	91	90	89	87	85		
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	83	80	78	76		
3	96	87	81	76	93	86	80	75	82	77	73	79	75	71	76	73	70	68		
4	89	80	73	68	87	78	72	67	75	70	65	73	68	64	70	66	63	61		
5	84	73	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	55		
6	78	68	60	55	76	66	60	55	64	58	54	62	57	53	60	56	52	50		
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	46		
8	69	58	51	46	68	57	50	46	56	50	45	54	49	45	53	48	44	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	44	39	49	43	39	48	42	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1143.1	6.6
10°-20°	3067.7	17.8
20°-30°	4008.8	23.3
30°-40°	3488.8	20.3
40°-50°	2026.6	11.8
50°-60°	1092.3	6.3
60°-70°	1002.5	5.8
70°-80°	376.5	2.2
80°-90°	170.7	1.0
90°-100°	283.3	1.6
100°-110°	263.6	1.5
110°-120°	120.7	0.7
120°-130°	52.8	0.3
130°-140°	39.4	0.2
140°-150°	30.8	0.2
150°-160°	21.3	0.1
160°-170°	12.4	0.1
170°-180°	3.4	0.0
0°-30°	8219.5	47.8
0°-40°	11708.4	68.1
0°-60°	14827.3	86.2
0°-90°	16376.9	95.2
90°-120°	667.7	3.9
90°-150°	790.7	4.6
90°-180°	828.0	4.8
0°-180°	17204.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12250	
5°	12125	###
15°	10953	3068
25°	8794	4009
35°	5555	3489
45°	2571	2027
55°	1153	1092
65°	1079	1002
75°	319	376
85°	144	124
90°	183	102
95°	269	228
105°	251	264
115°	117	121
125°	56	53
135°	50	39
145°	49	31
155°	46	21
165°	45	12
175°	35	3
180°	36	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12249.6
2.5°	12198.0
5°	12125.2
7.5°	11955.1
10°	11671.2
12.5°	11336.9
15°	10953.3
17.5°	10506.3
20°	9992.5
22.5°	9430.6
25°	8793.6
27.5°	8080.4
30°	7313.1
32.5°	6386.4
35°	5554.7
37.5°	4819.1
40°	4093.0
42.5°	3328.1
45°	2571.4
47.5°	1920.4
50°	1495.7
52.5°	1317.4
55°	1153.2
57.5°	1094.5
60°	1143.8
62.5°	1174.3
65°	1079.3
67.5°	892.7
70°	668.7
72.5°	464.6
75°	319.1
77.5°	226.4
80°	172.4
82.5°	147.8
85°	144.3
87.5°	156.0
90°	183.0
92.5°	224.1
95°	268.6
97.5°	301.5
100°	307.4
102.5°	287.4
105°	251.0
107.5°	213.5
110°	178.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	145.5
115°	117.3
117.5°	93.8
120°	76.3
122.5°	63.3
125°	56.3
127.5°	51.6
130°	50.4
132.5°	50.4
135°	50.4
137.5°	51.6
140°	51.6
142.5°	50.4
145°	49.3
147.5°	46.9
150°	46.9
152.5°	45.8
155°	45.8
157.5°	45.8
160°	46.9
162.5°	45.8
165°	44.6
167.5°	41.1
170°	37.5
172.5°	35.2
175°	35.2
177.5°	36.4
180°	36.4

(END OF REPORT)