

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: P1504865

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (4000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504865
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-61)
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-TRWH-PS (4000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

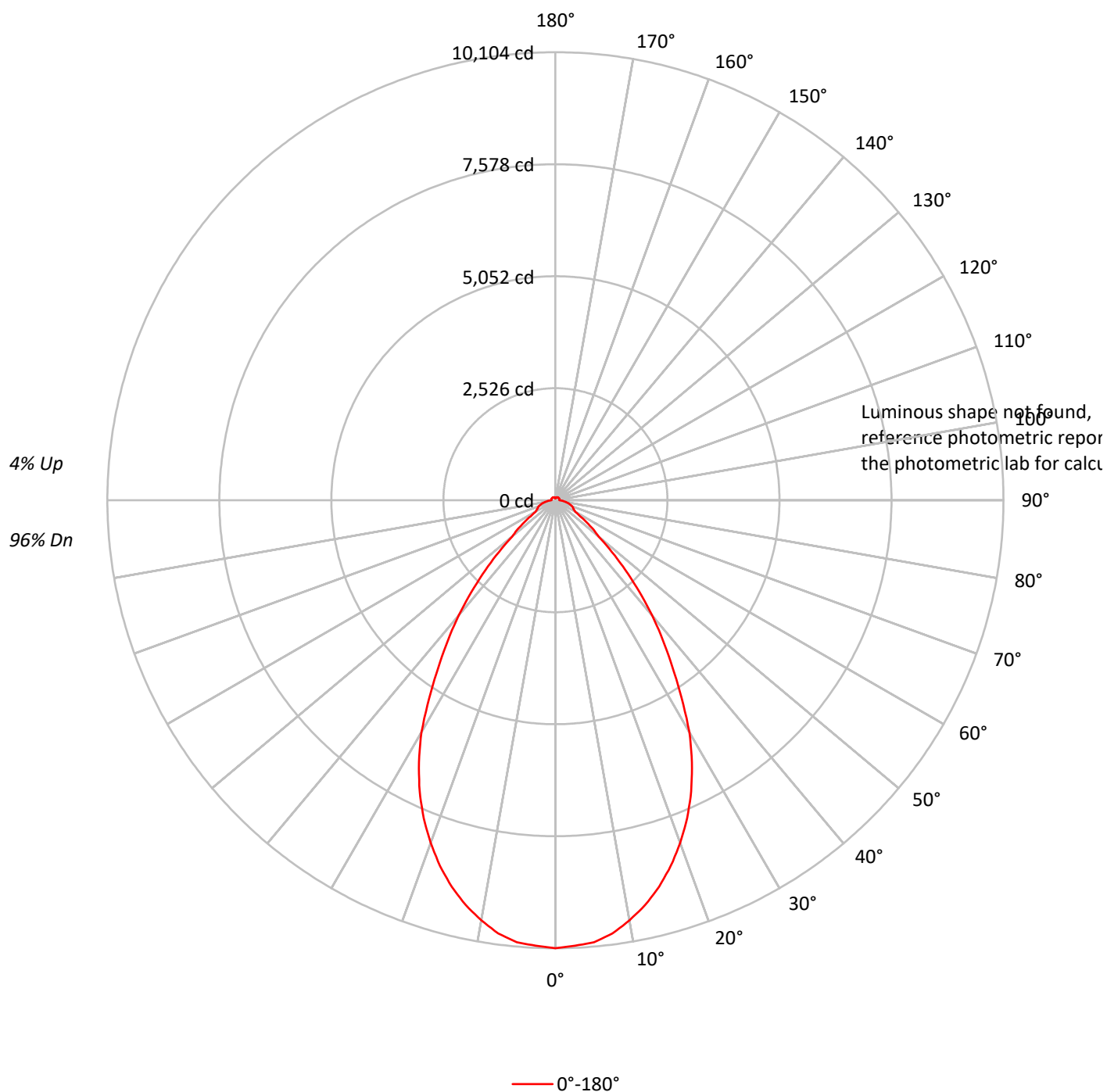
Lumens per Lamp: N/A
Luminaire Lumens: 13650.7 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 99.5
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





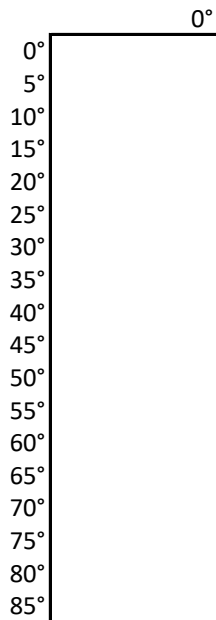
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	109	109	109	103	103	103	98	98	98	96		
1	111	107	104	101	108	104	101	99	99	97	95	95	93	91	91	89	88	86		
2	103	97	92	88	101	95	90	86	91	87	84	87	84	81	84	81	79	77		
3	97	89	82	77	94	87	81	76	83	79	75	80	76	73	78	74	71	69		
4	90	81	74	69	88	80	73	68	77	71	67	74	70	66	72	68	65	63		
5	85	75	67	62	83	73	67	62	71	65	61	69	64	60	67	62	59	57		
6	80	69	62	57	78	68	61	56	66	60	55	64	59	55	62	58	54	52		
7	75	64	57	52	73	63	56	51	61	55	51	60	54	50	58	53	50	48		
8	71	59	52	47	69	59	52	47	57	51	47	56	50	46	54	49	46	44		
9	67	55	49	44	65	55	48	44	53	47	43	52	47	43	51	46	43	41		
10	63	52	45	41	62	51	45	41	50	44	40	49	44	40	48	43	40	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	942.6	6.9
10°-20°	2527.2	18.5
20°-30°	3303.2	24.2
30°-40°	2886.1	21.1
40°-50°	1737.5	12.7
50°-60°	759.5	5.6
60°-70°	445.9	3.3
70°-80°	343.1	2.5
80°-90°	176.4	1.3
90°-100°	95.9	0.7
100°-110°	95.7	0.7
110°-120°	89.8	0.7
120°-130°	78.9	0.6
130°-140°	64.8	0.5
140°-150°	49.4	0.4
150°-160°	33.1	0.2
160°-170°	16.9	0.1
170°-180°	4.6	0.0
0°-30°	6773.0	49.6
0°-40°	9659.1	70.8
0°-60°	12156.1	89.1
0°-90°	13121.6	96.1
90°-120°	281.4	2.1
90°-150°	474.5	3.5
90°-180°	529.0	3.9
0°-180°	13650.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10104	
5°	10006	943
15°	9025	2527
25°	7244	3303
35°	4595	2886
45°	2228	1737
55°	829	760
65°	444	446
75°	327	343
85°	160	148
90°	88	52
95°	88	72
105°	91	96
115°	91	90
125°	88	79
135°	84	65
145°	78	49
155°	71	33
165°	59	17
175°	47	5
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10103.7
2.5°	10056.9
5°	10006.1
7.5°	9855.6
10°	9620.2
12.5°	9350.6
15°	9025.4
17.5°	8648.3
20°	8223.5
22.5°	7759.5
25°	7243.7
27.5°	6666.5
30°	6039.4
32.5°	5293.1
35°	4594.7
37.5°	3980.4
40°	3390.4
42.5°	2801.4
45°	2228.0
47.5°	1728.9
50°	1273.7
52.5°	1060.8
55°	829.3
57.5°	631.0
60°	517.7
62.5°	470.8
65°	444.4
67.5°	425.9
70°	399.5
72.5°	366.3
75°	327.2
77.5°	285.2
80°	242.2
82.5°	201.2
85°	160.2
87.5°	121.1
90°	87.9
92.5°	86.0
95°	87.9
97.5°	88.9
100°	89.9
102.5°	89.9
105°	90.8
107.5°	90.8
110°	90.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	90.8
115°	90.8
117.5°	89.9
120°	89.9
122.5°	88.9
125°	87.9
127.5°	86.9
130°	86.0
132.5°	85.0
135°	84.0
137.5°	82.0
140°	81.1
142.5°	80.1
145°	78.1
147.5°	77.2
150°	76.2
152.5°	74.2
155°	71.3
157.5°	68.4
160°	65.4
162.5°	62.5
165°	58.6
167.5°	55.7
170°	51.8
172.5°	47.9
175°	46.9
177.5°	46.9
180°	46.9

(END OF REPORT)