

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: P1504820

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504820
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 (4000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

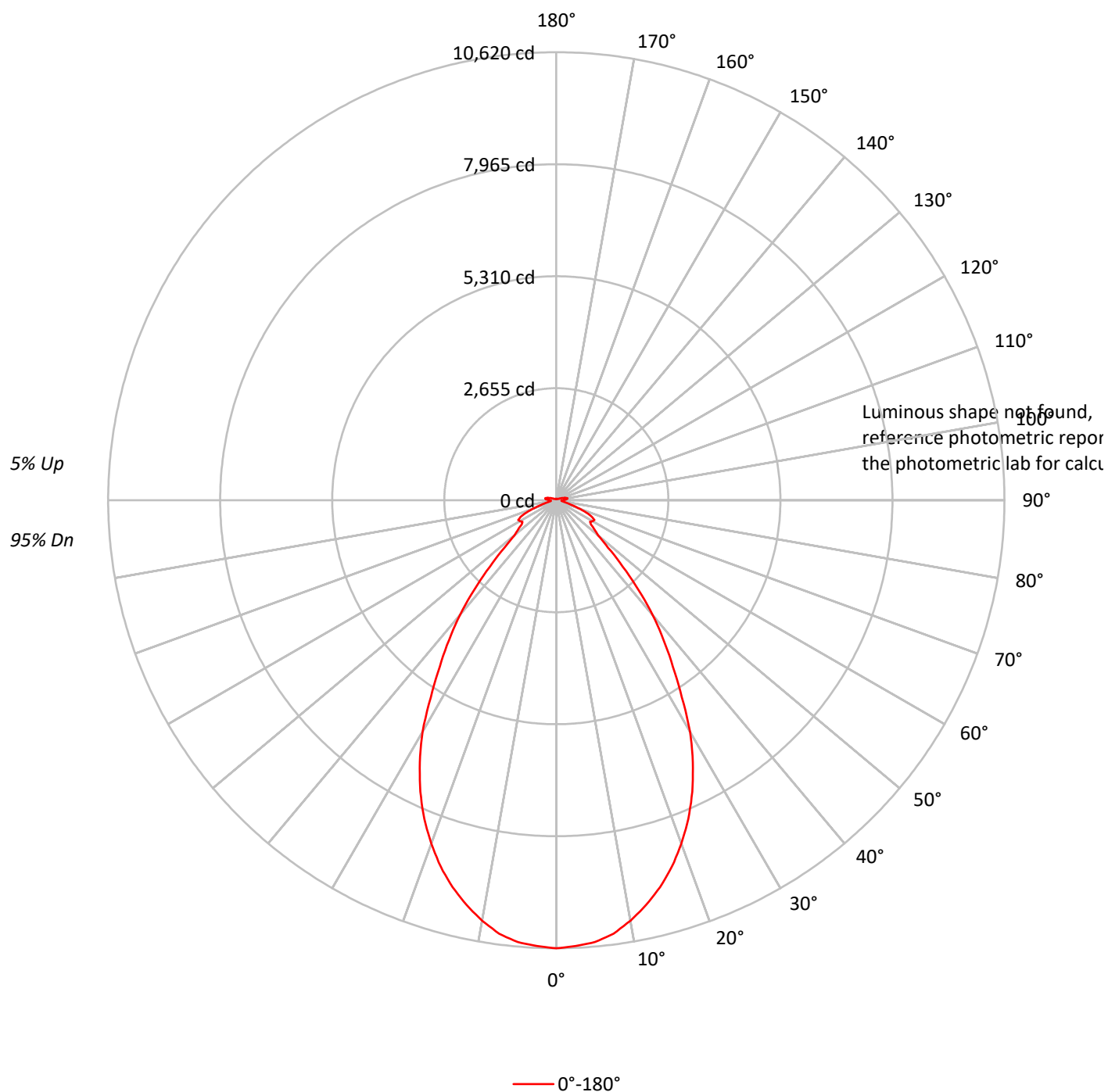
Lumens per Lamp: N/A
Luminaire Lumens: 14916.8 lumens
Efficiency: N/A
Efficacy: 149.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

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



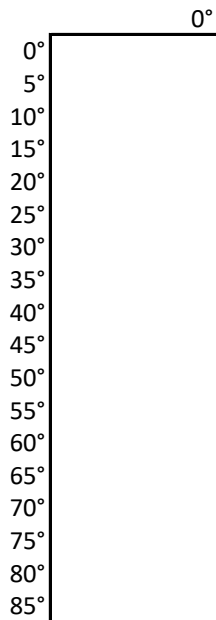
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	991.1	6.6
10°-20°	2659.7	17.8
20°-30°	3475.6	23.3
30°-40°	3024.8	20.3
40°-50°	1757.1	11.8
50°-60°	947.0	6.3
60°-70°	869.1	5.8
70°-80°	326.4	2.2
80°-90°	148.0	1.0
90°-100°	245.7	1.6
100°-110°	228.6	1.5
110°-120°	104.7	0.7
120°-130°	45.8	0.3
130°-140°	34.1	0.2
140°-150°	26.7	0.2
150°-160°	18.5	0.1
160°-170°	10.8	0.1
170°-180°	3.0	0.0
0°-30°	7126.4	47.8
0°-40°	10151.3	68.1
0°-60°	12855.4	86.2
0°-90°	14198.9	95.2
90°-120°	578.9	3.9
90°-150°	685.6	4.6
90°-180°	718.0	4.8
0°-180°	14916.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10620	
5°	10513	991
15°	9497	2660
25°	7624	3476
35°	4816	3025
45°	2230	1757
55°	1000	947
65°	936	869
75°	277	326
85°	125	108
90°	159	89
95°	233	197
105°	218	229
115°	102	105
125°	49	46
135°	44	34
145°	43	27
155°	40	18
165°	39	11
175°	30	3
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10620.5
2.5°	10575.8
5°	10512.7
7.5°	10365.2
10°	10119.1
12.5°	9829.2
15°	9496.6
17.5°	9109.1
20°	8663.6
22.5°	8176.4
25°	7624.1
27.5°	7005.8
30°	6340.6
32.5°	5537.1
35°	4815.9
37.5°	4178.2
40°	3548.6
42.5°	2885.5
45°	2229.5
47.5°	1665.0
50°	1296.8
52.5°	1142.2
55°	999.8
57.5°	949.0
60°	991.7
62.5°	1018.1
65°	935.7
67.5°	774.0
70°	579.7
72.5°	402.8
75°	276.6
77.5°	196.3
80°	149.5
82.5°	128.2
85°	125.1
87.5°	135.3
90°	158.7
92.5°	194.3
95°	232.9
97.5°	261.4
100°	266.5
102.5°	249.2
105°	217.7
107.5°	185.1
110°	154.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	126.1
115°	101.7
117.5°	81.4
120°	66.1
122.5°	54.9
125°	48.8
127.5°	44.8
130°	43.7
132.5°	43.7
135°	43.7
137.5°	44.8
140°	44.8
142.5°	43.7
145°	42.7
147.5°	40.7
150°	40.7
152.5°	39.7
155°	39.7
157.5°	39.7
160°	40.7
162.5°	39.7
165°	38.6
167.5°	35.6
170°	32.5
172.5°	30.5
175°	30.5
177.5°	31.5
180°	31.5

(END OF REPORT)