

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: P1504448

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504448
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-43)
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-06-CLER-PS (3500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

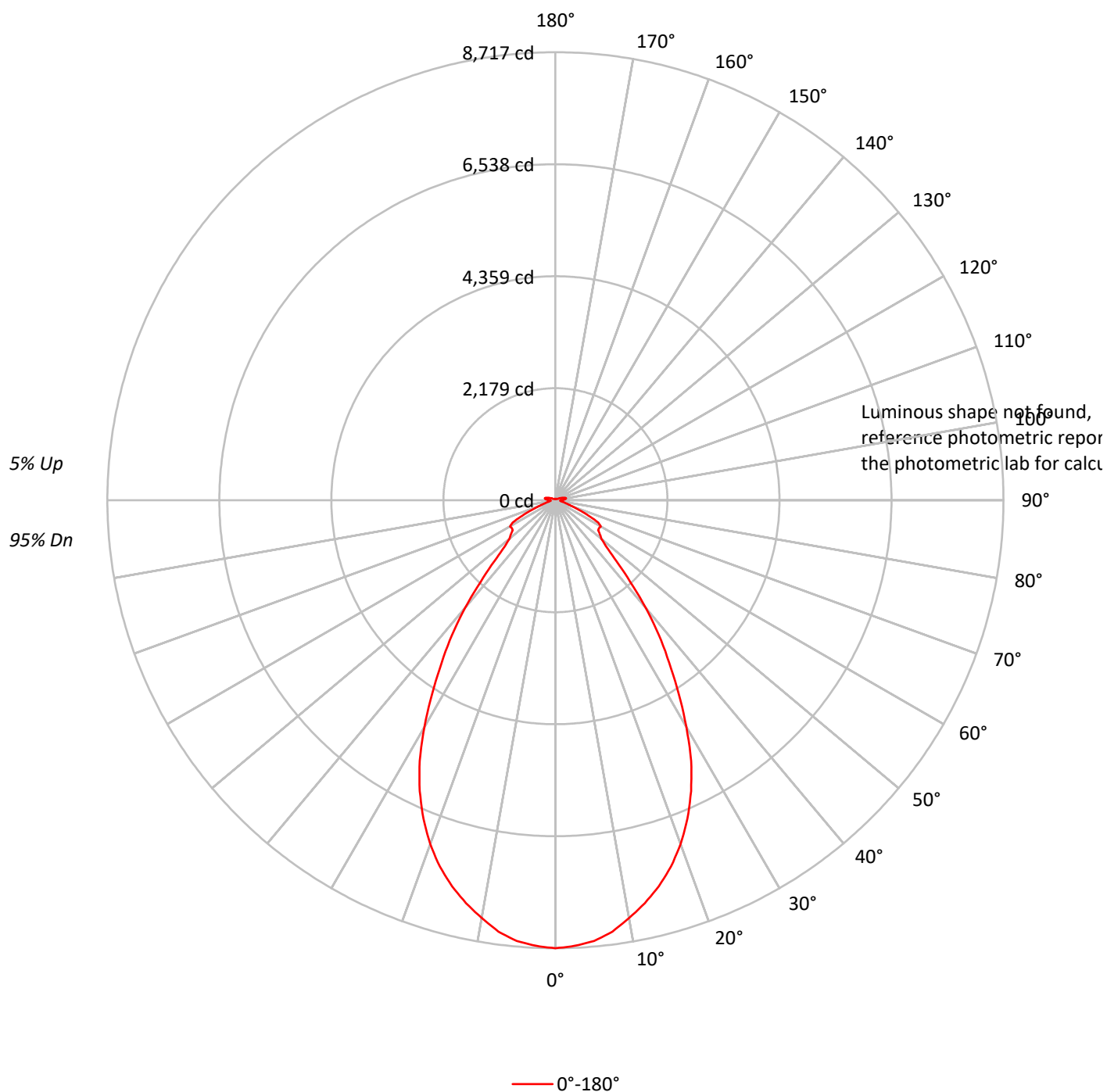
Lumens per Lamp: N/A
Luminaire Lumens: 12158.9 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 81.7
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



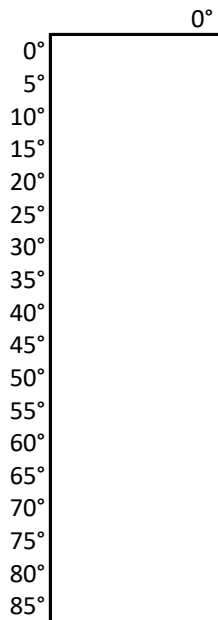
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	97	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	88	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	66	73	68	64	70	66	63	61		
5	84	73	66	61	81	72	65	60	69	64	59	67	62	58	65	61	57	55		
6	78	68	60	55	76	66	60	54	64	58	54	62	57	53	60	56	52	50		
7	74	62	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	38	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°	810.5	6.7
10°-20°	2178.1	17.9
20°-30°	2839.8	23.4
30°-40°	2412.0	19.8
40°-50°	1361.8	11.2
50°-60°	941.8	7.7
60°-70°	697.2	5.7
70°-80°	220.9	1.8
80°-90°	115.5	0.9
90°-100°	188.9	1.6
100°-110°	190.7	1.6
110°-120°	90.9	0.7
120°-130°	38.3	0.3
130°-140°	26.6	0.2
140°-150°	20.8	0.2
150°-160°	14.8	0.1
160°-170°	8.0	0.1
170°-180°	2.1	0.0
0°-30°	5828.4	47.9
0°-40°	8240.4	67.8
0°-60°	10544.1	86.7
0°-90°	11577.7	95.2
90°-120°	470.6	3.9
90°-150°	556.3	4.6
90°-180°	581.0	4.8
0°-180°	12158.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8717	
5°	8609	810
15°	7774	2178
25°	6244	2840
35°	3857	2412
45°	1676	1362
55°	1015	942
65°	714	697
75°	198	221
85°	98	84
90°	123	69
95°	177	152
105°	183	191
115°	88	91
125°	41	38
135°	34	27
145°	33	21
155°	32	15
165°	28	8
175°	21	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8717.1
2.5°	8678.0
5°	8608.8
7.5°	8467.9
10°	8254.4
12.5°	8029.3
15°	7774.2
17.5°	7474.9
20°	7118.1
22.5°	6708.8
25°	6243.6
27.5°	5717.5
30°	5093.9
32.5°	4461.9
35°	3856.7
37.5°	3304.8
40°	2740.4
42.5°	2150.9
45°	1675.7
47.5°	1342.3
50°	1163.8
52.5°	1092.1
55°	1015.4
57.5°	1004.6
60°	1022.1
62.5°	930.4
65°	713.6
67.5°	499.4
70°	348.5
72.5°	258.4
75°	198.4
77.5°	149.2
80°	116.7
82.5°	100.0
85°	97.5
87.5°	105.9
90°	123.4
92.5°	148.4
95°	176.7
97.5°	200.9
100°	210.9
102.5°	203.4
105°	183.4
107.5°	160.1
110°	135.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	110.0
115°	88.4
117.5°	70.0
120°	56.7
122.5°	46.7
125°	40.9
127.5°	36.7
130°	35.0
132.5°	34.2
135°	34.2
137.5°	34.2
140°	34.2
142.5°	33.3
145°	33.3
147.5°	32.5
150°	32.5
152.5°	32.5
155°	31.7
157.5°	31.7
160°	30.8
162.5°	30.0
165°	27.5
167.5°	25.8
170°	24.2
172.5°	22.5
175°	20.8
177.5°	20.8
180°	20.8

(END OF REPORT)