

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: P1504798

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504798
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 (3000K_L12_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

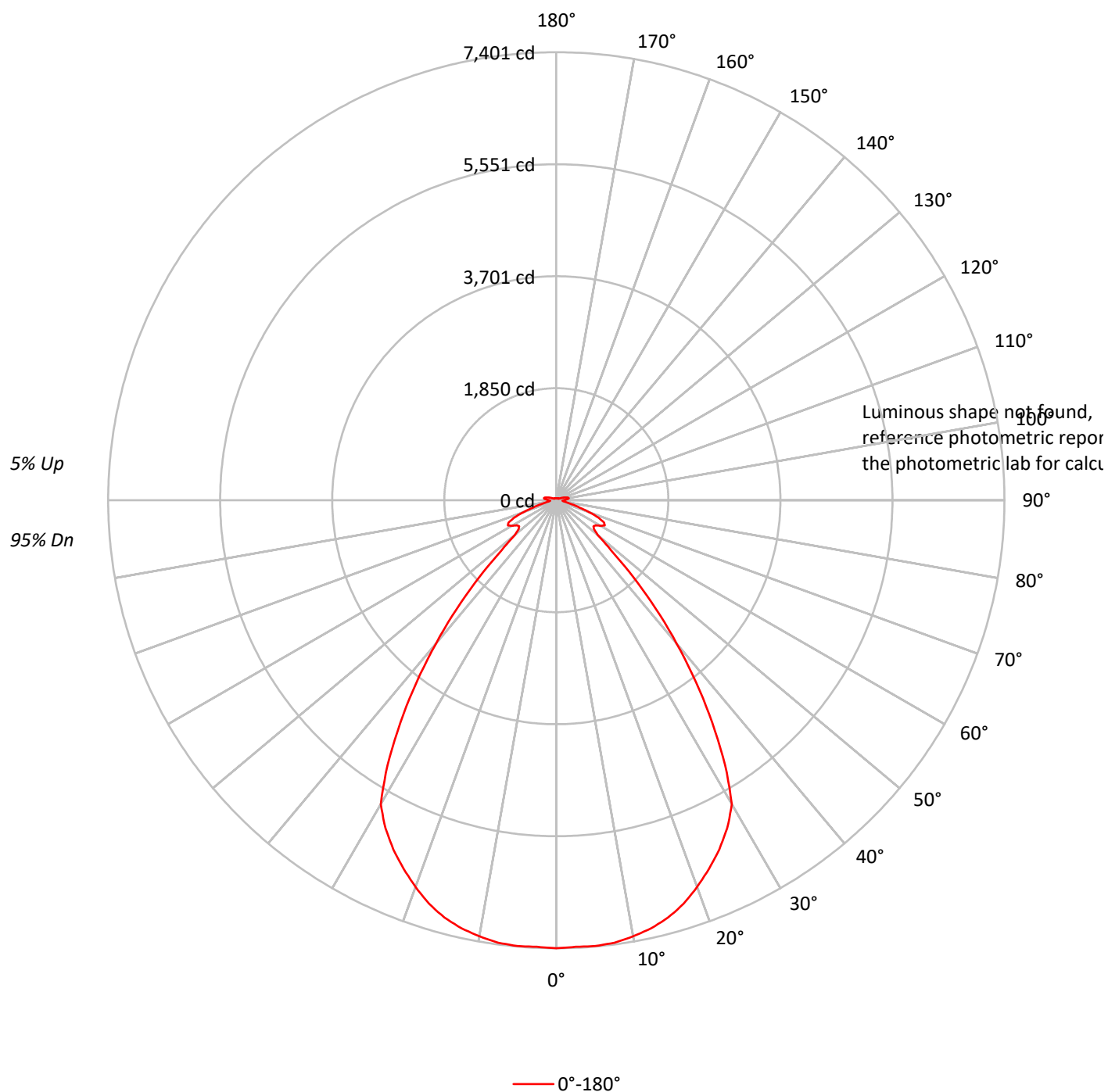
Lumens per Lamp: N/A
Luminaire Lumens: 12363.3 lumens
Efficiency: N/A
Efficacy: 149.3 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.09
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 82.8
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



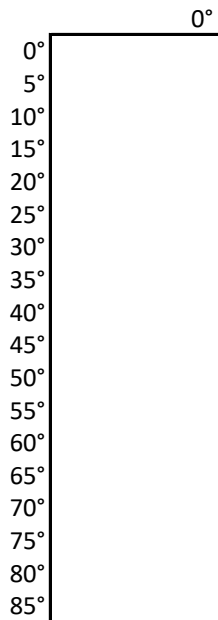
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	703.2	5.7
10°-20°	2007.1	16.2
20°-30°	2921.4	23.6
30°-40°	2780.1	22.5
40°-50°	1416.6	11.5
50°-60°	710.5	5.7
60°-70°	800.2	6.5
70°-80°	323.0	2.6
80°-90°	121.0	1.0
90°-100°	186.2	1.5
100°-110°	183.9	1.5
110°-120°	87.6	0.7
120°-130°	39.8	0.3
130°-140°	30.4	0.2
140°-150°	23.8	0.2
150°-160°	16.3	0.1
160°-170°	9.5	0.1
170°-180°	2.7	0.0
0°-30°	5631.8	45.6
0°-40°	8411.8	68.0
0°-60°	10538.9	85.2
0°-90°	11783.1	95.3
90°-120°	457.7	3.7
90°-150°	551.6	4.5
90°-180°	580.0	4.7
0°-180°	12363.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7401	
5°	7391	703
15°	7137	2007
25°	6366	2921
35°	4491	2780
45°	1795	1417
55°	748	710
65°	869	800
75°	274	323
85°	101	90
90°	118	67
95°	175	150
105°	177	184
115°	85	88
125°	42	40
135°	40	30
145°	38	24
155°	35	16
165°	34	10
175°	28	3
180°	28	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7401.1
2.5°	7384.1
5°	7391.4
7.5°	7372.7
10°	7315.2
12.5°	7243.0
15°	7136.8
17.5°	6990.0
20°	6798.7
22.5°	6587.9
25°	6365.7
27.5°	6110.3
30°	5796.5
32.5°	5189.2
35°	4491.1
37.5°	3791.4
40°	3090.8
42.5°	2431.6
45°	1795.1
47.5°	1222.7
50°	893.5
52.5°	783.2
55°	748.4
57.5°	770.3
60°	841.6
62.5°	903.2
65°	869.2
67.5°	748.4
70°	579.7
72.5°	407.0
75°	274.1
77.5°	188.9
80°	136.2
82.5°	110.3
85°	101.4
87.5°	104.6
90°	118.4
92.5°	144.3
95°	175.1
97.5°	200.3
100°	208.4
102.5°	197.8
105°	176.8
107.5°	151.6
110°	127.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	105.4
115°	85.1
117.5°	68.9
120°	55.9
122.5°	47.8
125°	42.2
127.5°	39.7
130°	38.1
132.5°	38.9
135°	39.7
137.5°	39.7
140°	39.7
142.5°	38.9
145°	38.1
147.5°	36.5
150°	35.7
152.5°	35.7
155°	34.9
157.5°	34.9
160°	35.7
162.5°	34.9
165°	34.1
167.5°	31.6
170°	29.2
172.5°	27.6
175°	27.6
177.5°	27.6
180°	28.4

(END OF REPORT)