

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: P1504801

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504801
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_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

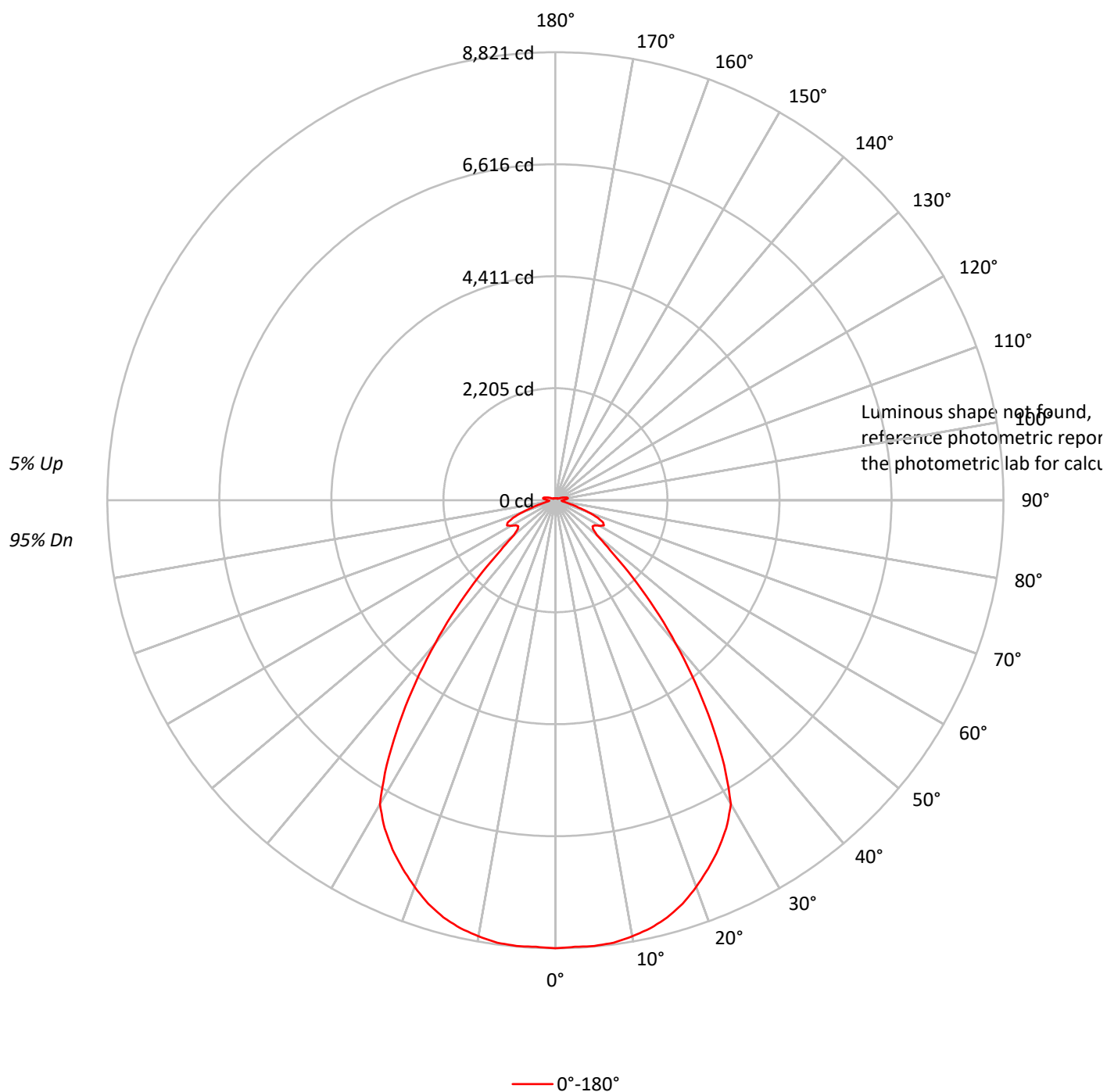
Lumens per Lamp: N/A
Luminaire Lumens: 14735.1 lumens
Efficiency: N/A
Efficacy: 144.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.09
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 102.3
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	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°	838.1	5.7
10°-20°	2392.2	16.2
20°-30°	3481.9	23.6
30°-40°	3313.4	22.5
40°-50°	1688.4	11.5
50°-60°	846.8	5.7
60°-70°	953.6	6.5
70°-80°	385.0	2.6
80°-90°	144.2	1.0
90°-100°	221.9	1.5
100°-110°	219.2	1.5
110°-120°	104.4	0.7
120°-130°	47.4	0.3
130°-140°	36.3	0.2
140°-150°	28.4	0.2
150°-160°	19.5	0.1
160°-170°	11.3	0.1
170°-180°	3.2	0.0
0°-30°	6712.2	45.6
0°-40°	10025.5	68.0
0°-60°	12560.7	85.2
0°-90°	14043.5	95.3
90°-120°	545.5	3.7
90°-150°	657.6	4.5
90°-180°	692.0	4.7
0°-180°	14735.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8821	
5°	8809	838
15°	8506	2392
25°	7587	3482
35°	5353	3313
45°	2140	1688
55°	892	847
65°	1036	954
75°	327	385
85°	121	108
90°	141	79
95°	209	179
105°	211	219
115°	102	104
125°	50	47
135°	47	36
145°	45	28
155°	42	19
165°	41	11
175°	33	3
180°	34	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8820.9
2.5°	8800.6
5°	8809.3
7.5°	8787.1
10°	8718.5
12.5°	8632.5
15°	8505.9
17.5°	8331.0
20°	8102.9
22.5°	7851.6
25°	7586.9
27.5°	7282.5
30°	6908.5
32.5°	6184.7
35°	5352.6
37.5°	4518.7
40°	3683.8
42.5°	2898.1
45°	2139.5
47.5°	1457.3
50°	1064.9
52.5°	933.5
55°	891.9
57.5°	918.0
60°	1003.1
62.5°	1076.5
65°	1035.9
67.5°	891.9
70°	690.9
72.5°	485.1
75°	326.6
77.5°	225.2
80°	162.3
82.5°	131.4
85°	120.8
87.5°	124.7
90°	141.1
92.5°	172.0
95°	208.7
97.5°	238.7
100°	248.4
102.5°	235.8
105°	210.7
107.5°	180.7
110°	151.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	125.6
115°	101.5
117.5°	82.1
120°	66.7
122.5°	57.0
125°	50.3
127.5°	47.4
130°	45.4
132.5°	46.4
135°	47.4
137.5°	47.4
140°	47.4
142.5°	46.4
145°	45.4
147.5°	43.5
150°	42.5
152.5°	42.5
155°	41.6
157.5°	41.6
160°	42.5
162.5°	41.6
165°	40.6
167.5°	37.7
170°	34.8
172.5°	32.9
175°	32.9
177.5°	32.9
180°	33.8

(END OF REPORT)