

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: P1504810

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504810
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 (3500K_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

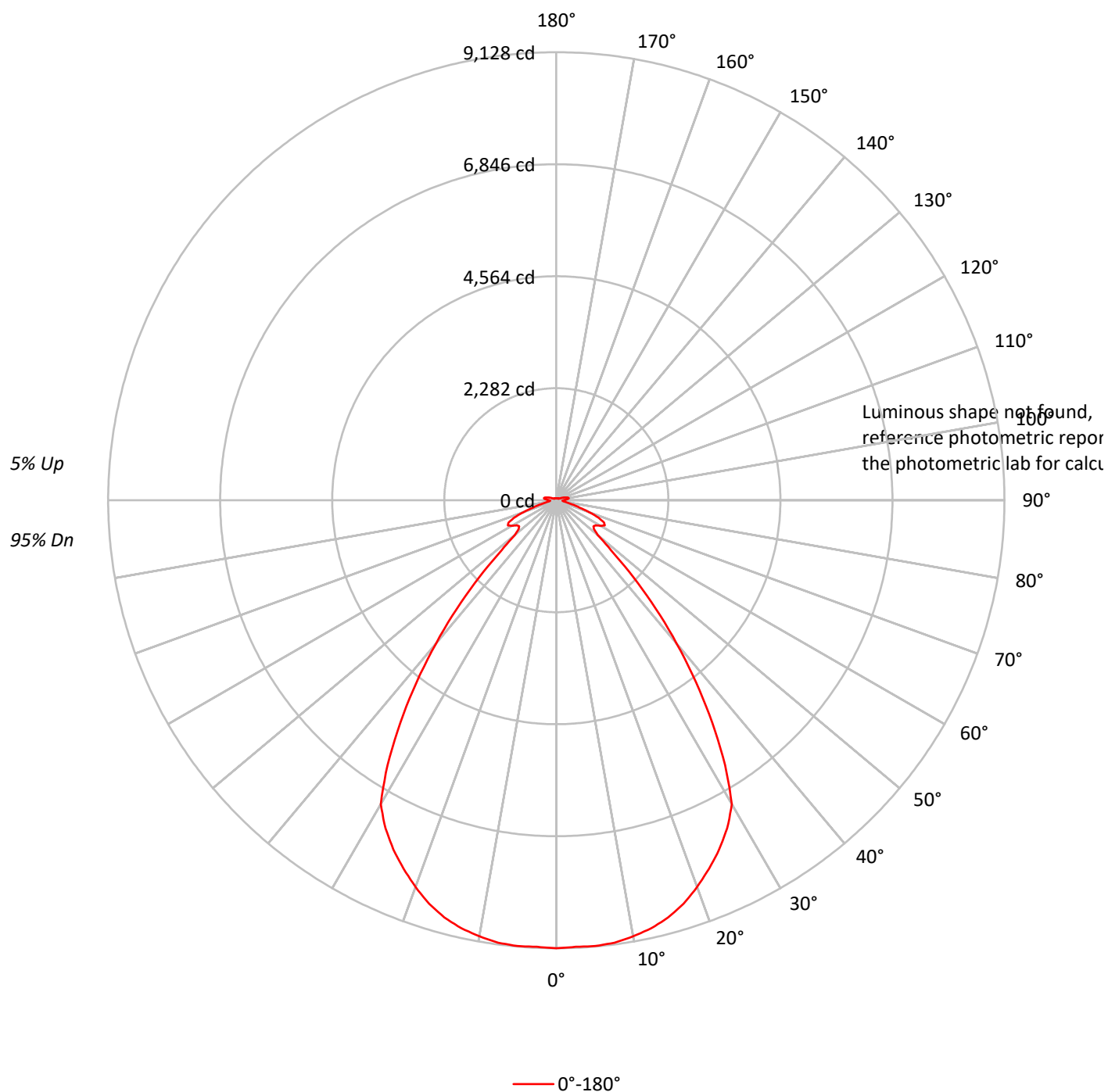
Lumens per Lamp: N/A
Luminaire Lumens: 15248.0 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.09
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 100.5
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				0
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°	867.3	5.7
10°-20°	2475.4	16.2
20°-30°	3603.1	23.6
30°-40°	3428.7	22.5
40°-50°	1747.1	11.5
50°-60°	876.3	5.7
60°-70°	986.9	6.5
70°-80°	398.4	2.6
80°-90°	149.2	1.0
90°-100°	229.7	1.5
100°-110°	226.8	1.5
110°-120°	108.0	0.7
120°-130°	49.1	0.3
130°-140°	37.5	0.2
140°-150°	29.4	0.2
150°-160°	20.1	0.1
160°-170°	11.7	0.1
170°-180°	3.3	0.0
0°-30°	6945.8	45.6
0°-40°	10374.5	68.0
0°-60°	12998.0	85.2
0°-90°	14532.4	95.3
90°-120°	564.5	3.7
90°-150°	680.4	4.5
90°-180°	716.0	4.7
0°-180°	15248.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9128	
5°	9116	867
15°	8802	2475
25°	7851	3603
35°	5539	3429
45°	2214	1747
55°	923	876
65°	1072	987
75°	338	398
85°	125	111
90°	146	82
95°	216	185
105°	218	227
115°	105	108
125°	52	49
135°	49	38
145°	47	29
155°	43	20
165°	42	12
175°	34	3
180°	35	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9128
2.5°	9107
5°	9116
7.5°	9093
10°	9022
12.5°	8933
15°	8802
17.5°	8621
20°	8385
22.5°	8125
25°	7851
27.5°	7536
30°	7149
32.5°	6400
35°	5539
37.5°	4676
40°	3812
42.5°	2999
45°	2214
47.5°	1508
50°	1102
52.5°	966
55°	923
57.5°	950
60°	1038
62.5°	1114
65°	1072
67.5°	923
70°	715
72.5°	502
75°	338
77.5°	233
80°	168
82.5°	136
85°	125
87.5°	129
90°	146
92.5°	178
95°	216
97.5°	247
100°	257
102.5°	244
105°	218
107.5°	187
110°	157

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	130
115°	105
117.5°	85
120°	69
122.5°	59
125°	52
127.5°	49
130°	47
132.5°	48
135°	49
137.5°	49
140°	49
142.5°	48
145°	47
147.5°	45
150°	44
152.5°	44
155°	43
157.5°	43
160°	44
162.5°	43
165°	42
167.5°	39
170°	36
172.5°	34
175°	34
177.5°	34
180°	35

(END OF REPORT)