

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: P1504819

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (4000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504819
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 (4000K_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

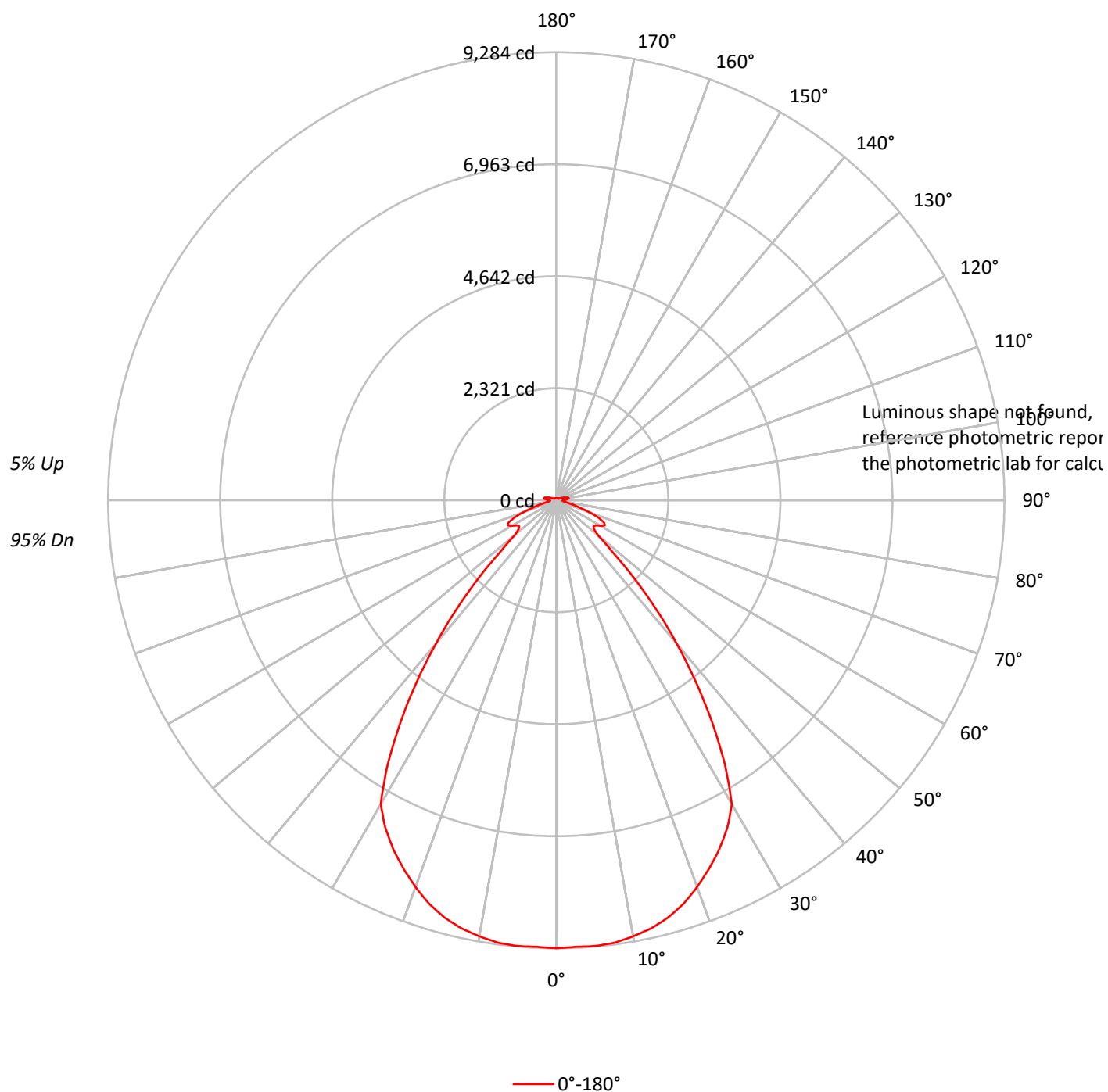
Lumens per Lamp: N/A
Luminaire Lumens: 15508.6 lumens
Efficiency: N/A
Efficacy: 155.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.09
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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





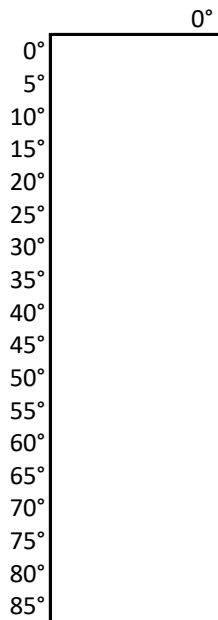
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				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°	882.1	5.7
10°-20°	2517.8	16.2
20°-30°	3664.7	23.6
30°-40°	3487.3	22.5
40°-50°	1777.0	11.5
50°-60°	891.2	5.7
60°-70°	1003.7	6.5
70°-80°	405.3	2.6
80°-90°	151.7	1.0
90°-100°	233.6	1.5
100°-110°	230.7	1.5
110°-120°	109.9	0.7
120°-130°	49.9	0.3
130°-140°	38.2	0.2
140°-150°	29.9	0.2
150°-160°	20.5	0.1
160°-170°	11.9	0.1
170°-180°	3.3	0.0
0°-30°	7064.6	45.6
0°-40°	10551.9	68.0
0°-60°	13220.1	85.2
0°-90°	14780.8	95.3
90°-120°	574.1	3.7
90°-150°	692.0	4.5
90°-180°	728.0	4.7
0°-180°	15508.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9284	
5°	9272	882
15°	8952	2518
25°	7985	3665
35°	5634	3487
45°	2252	1777
55°	939	891
65°	1090	1004
75°	344	405
85°	127	113
90°	148	83
95°	220	188
105°	222	231
115°	107	110
125°	53	50
135°	50	38
145°	48	30
155°	44	20
165°	43	12
175°	35	3
180°	36	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9284.0
2.5°	9262.7
5°	9271.8
7.5°	9248.5
10°	9176.2
12.5°	9085.7
15°	8952.5
17.5°	8768.4
20°	8528.3
22.5°	8263.9
25°	7985.2
27.5°	7664.8
30°	7271.2
32.5°	6509.4
35°	5633.7
37.5°	4755.9
40°	3877.2
42.5°	3050.3
45°	2251.8
47.5°	1533.8
50°	1120.8
52.5°	982.5
55°	938.8
57.5°	966.2
60°	1055.7
62.5°	1133.0
65°	1090.3
67.5°	938.8
70°	727.2
72.5°	510.6
75°	343.8
77.5°	237.0
80°	170.9
82.5°	138.3
85°	127.1
87.5°	131.2
90°	148.5
92.5°	181.0
95°	219.7
97.5°	251.2
100°	261.4
102.5°	248.2
105°	221.7
107.5°	190.2
110°	159.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	132.2
115°	106.8
117.5°	86.5
120°	70.2
122.5°	60.0
125°	52.9
127.5°	49.8
130°	47.8
132.5°	48.8
135°	49.8
137.5°	49.8
140°	49.8
142.5°	48.8
145°	47.8
147.5°	45.8
150°	44.8
152.5°	44.8
155°	43.7
157.5°	43.7
160°	44.8
162.5°	43.7
165°	42.7
167.5°	39.7
170°	36.6
172.5°	34.6
175°	34.6
177.5°	34.6
180°	35.6

(END OF REPORT)