

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: P1504658

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (6500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504658
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-31)
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-04-CLER-PS (6500K_L16_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

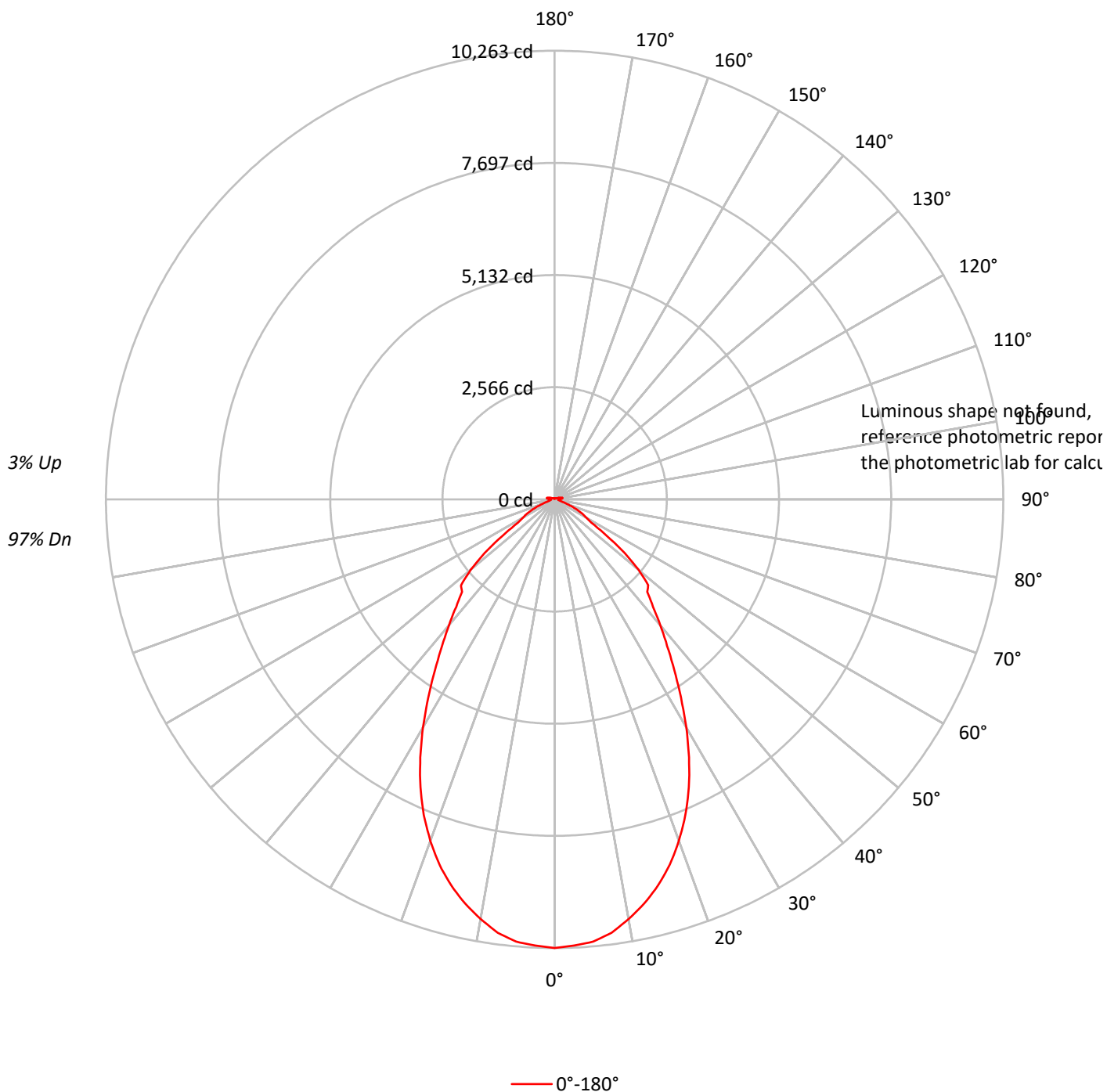
Lumens per Lamp: N/A
Luminaire Lumens: 14870.1 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 102.5
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			
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	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	103	97	92	88	101	95	90	86	91	87	84	88	85	82	84	82	80	77		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	58	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	61	55	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	42		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	49	44	41	39		
10	62	50	43	39	60	50	43	39	48	42	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	956.2	6.4
10°-20°	2559.2	17.2
20°-30°	3313.0	22.3
30°-40°	2996.5	20.2
40°-50°	2380.9	16.0
50°-60°	1361.0	9.2
60°-70°	560.5	3.8
70°-80°	165.2	1.1
80°-90°	96.4	0.6
90°-100°	167.4	1.1
100°-110°	162.5	1.1
110°-120°	74.3	0.5
120°-130°	27.4	0.2
130°-140°	17.6	0.1
140°-150°	14.3	0.1
150°-160°	10.3	0.1
160°-170°	5.8	0.0
170°-180°	1.7	0.0
0°-30°	6828.3	45.9
0°-40°	9824.9	66.1
0°-60°	13566.8	91.2
0°-90°	14388.9	96.8
90°-120°	404.2	2.7
90°-150°	463.5	3.1
90°-180°	481.0	3.2
0°-180°	14870.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10263	
5°	10154	956
15°	9142	2559
25°	7264	3313
35°	4767	2997
45°	2991	2381
55°	1458	1361
65°	575	560
75°	139	165
85°	81	70
90°	105	59
95°	159	135
105°	156	163
115°	72	74
125°	28	27
135°	22	18
145°	22	14
155°	22	10
165°	20	6
175°	17	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10262.6
2.5°	10213.0
5°	10154.3
7.5°	9996.3
10°	9748.3
12.5°	9468.9
15°	9141.9
17.5°	8763.2
20°	8309.7
22.5°	7816.7
25°	7263.9
27.5°	6655.4
30°	6017.6
32.5°	5375.8
35°	4767.3
37.5°	4226.7
40°	3758.0
42.5°	3331.8
45°	2990.6
47.5°	2905.6
50°	2500.6
52.5°	2015.7
55°	1457.8
57.5°	994.2
60°	839.3
62.5°	711.7
65°	575.0
67.5°	425.2
70°	282.5
72.5°	185.3
75°	138.7
77.5°	114.4
80°	95.2
82.5°	83.0
85°	81.0
87.5°	89.1
90°	105.3
92.5°	131.6
95°	158.9
97.5°	179.2
100°	183.2
102.5°	174.1
105°	155.9
107.5°	135.7
110°	112.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	92.1
115°	71.9
117.5°	55.7
120°	43.5
122.5°	34.4
125°	28.3
127.5°	25.3
130°	23.3
132.5°	22.3
135°	22.3
137.5°	23.3
140°	23.3
142.5°	23.3
145°	22.3
147.5°	22.3
150°	22.3
152.5°	22.3
155°	22.3
157.5°	22.3
160°	21.3
162.5°	21.3
165°	20.2
167.5°	19.2
170°	18.2
172.5°	18.2
175°	17.2
177.5°	18.2
180°	18.2

(END OF REPORT)