

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: P1504298

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504298
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-19)
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-A-04-CLER-PS (6500K_L16_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

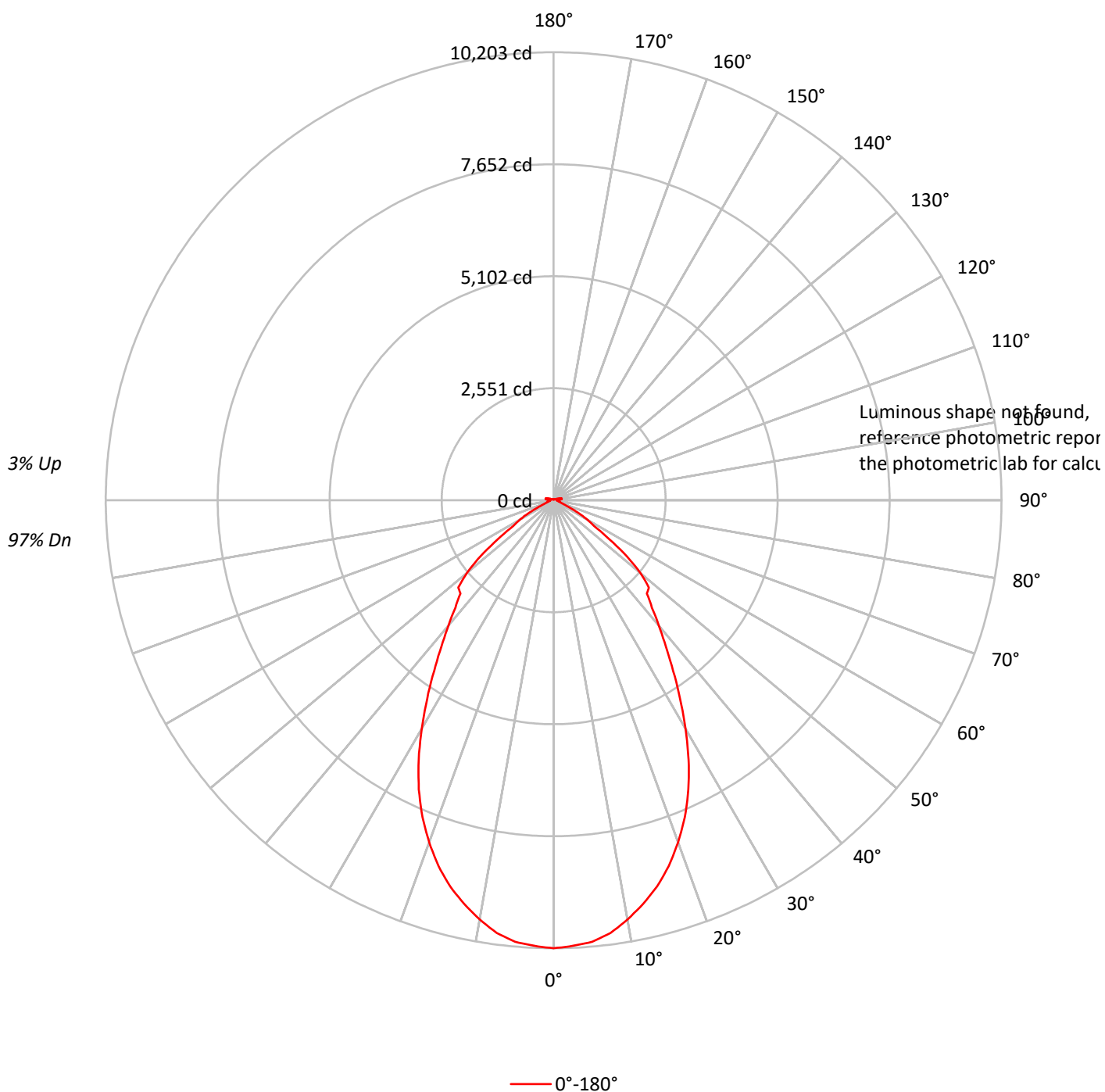
Lumens per Lamp: N/A
Luminaire Lumens: 14843.3 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

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	104	97	92	88	101	95	91	87	91	87	84	88	85	82	84	82	80	78		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	69		
4	90	80	74	68	88	79	73	68	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	59	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°	950.8	6.4
10°-20°	2548.8	17.2
20°-30°	3311.2	22.3
30°-40°	2982.8	20.1
40°-50°	2393.6	16.1
50°-60°	1438.7	9.7
60°-70°	471.1	3.2
70°-80°	150.7	1.0
80°-90°	94.6	0.6
90°-100°	162.7	1.1
100°-110°	176.2	1.2
110°-120°	80.7	0.5
120°-130°	29.8	0.2
130°-140°	18.2	0.1
140°-150°	15.3	0.1
150°-160°	11.1	0.1
160°-170°	5.5	0.0
170°-180°	1.5	0.0
0°-30°	6810.8	45.9
0°-40°	9793.6	66.0
0°-60°	13625.9	91.8
0°-90°	14342.2	96.6
90°-120°	419.6	2.8
90°-150°	483.0	3.3
90°-180°	501.0	3.4
0°-180°	14843.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10203	
5°	10094	951
15°	9106	2549
25°	7266	3311
35°	4746	2983
45°	3003	2394
55°	1551	1439
65°	429	471
75°	141	151
85°	79	70
90°	98	55
95°	152	132
105°	172	176
115°	78	81
125°	31	30
135°	23	18
145°	24	15
155°	24	11
165°	19	6
175°	15	2
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10202.9
2.5°	10158.3
5°	10094.5
7.5°	9939.6
10°	9694.6
12.5°	9418.3
15°	9106.4
17.5°	8731.9
20°	8290.5
22.5°	7809.6
25°	7265.9
27.5°	6657.5
30°	6009.5
32.5°	5363.6
35°	4746.1
37.5°	4194.3
40°	3727.6
42.5°	3312.5
45°	3002.7
47.5°	2944.0
50°	2586.7
52.5°	2100.7
55°	1551.0
57.5°	1089.3
60°	900.0
62.5°	664.1
65°	429.3
67.5°	275.4
70°	196.4
72.5°	160.0
75°	140.7
77.5°	121.5
80°	101.2
82.5°	84.0
85°	79.0
87.5°	84.0
90°	98.2
92.5°	123.5
95°	151.9
97.5°	177.2
100°	190.3
102.5°	187.3
105°	172.1
107.5°	148.8
110°	123.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	99.2
115°	78.0
117.5°	60.7
120°	47.6
122.5°	37.5
125°	31.4
127.5°	27.3
130°	24.3
132.5°	23.3
135°	23.3
137.5°	23.3
140°	24.3
142.5°	24.3
145°	24.3
147.5°	24.3
150°	25.3
152.5°	24.3
155°	24.3
157.5°	23.3
160°	21.3
162.5°	20.2
165°	19.2
167.5°	18.2
170°	17.2
172.5°	16.2
175°	15.2
177.5°	15.2
180°	15.2

(END OF REPORT)