

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: P1504269

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (3500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504269
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-21)
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 (3500K_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

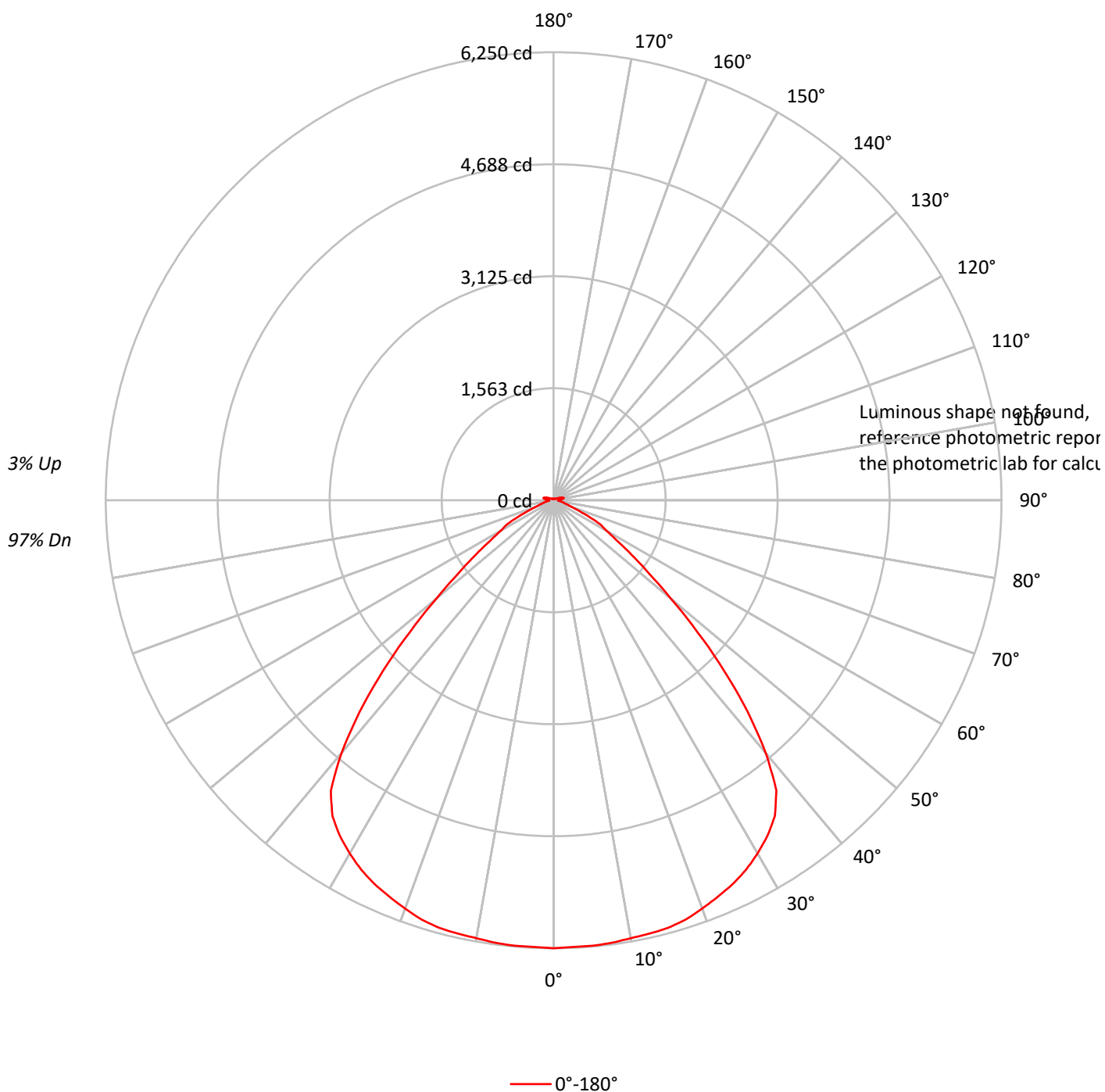
Lumens per Lamp: N/A
Luminaire Lumens: 13397.5 lumens
Efficiency: N/A
Efficacy: 164.0 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 81.7
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																					
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	97		
1	111	107	104	101	108	104	101	99	100	97	95	95	93	92	91	90	89	89	86		
2	103	96	91	86	100	94	89	85	90	86	83	87	83	80	83	81	78	78	76		
3	95	87	80	75	93	85	79	74	82	77	72	79	74	71	76	72	69	69	67		
4	88	78	71	66	86	77	70	65	74	68	64	72	67	63	69	65	62	62	60		
5	82	71	64	58	80	70	63	58	68	61	57	66	60	56	64	59	55	55	53		
6	77	65	57	52	75	64	57	51	62	55	51	60	54	50	58	53	49	49	48		
7	71	59	52	46	70	59	51	46	57	50	46	55	49	45	54	49	45	45	43		
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	50	44	40	40	39		
9	63	50	43	38	61	50	43	38	48	42	38	47	41	37	46	41	37	37	35		
10	59	47	40	35	57	46	39	35	45	39	34	44	38	34	43	38	34	34	32		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	594.4	4.4
10°-20°	1743.8	13.0
20°-30°	2724.4	20.3
30°-40°	3315.2	24.7
40°-50°	2580.7	19.3
50°-60°	1229.0	9.2
60°-70°	539.5	4.0
70°-80°	173.7	1.3
80°-90°	80.4	0.6
90°-100°	111.6	0.8
100°-110°	140.3	1.0
110°-120°	75.1	0.6
120°-130°	30.7	0.2
130°-140°	20.7	0.2
140°-150°	17.7	0.1
150°-160°	12.7	0.1
160°-170°	6.2	0.0
170°-180°	1.5	0.0
0°-30°	5062.6	37.8
0°-40°	8377.8	62.5
0°-60°	12187.5	91.0
0°-90°	12981.1	96.9
90°-120°	326.9	2.4
90°-150°	396.0	3.0
90°-180°	416.0	3.1
0°-180°	13397.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6250	
5°	6239	594
15°	6176	1744
25°	5910	2724
35°	5380	3315
45°	3366	2581
55°	1323	1229
65°	545	539
75°	159	174
85°	68	63
90°	65	37
95°	102	92
105°	138	140
115°	74	75
125°	32	31
135°	27	21
145°	28	18
155°	28	13
165°	22	6
175°	14	1
180°	13	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6250.2
2.5°	6236.9
5°	6239.4
7.5°	6226.9
10°	6203.5
12.5°	6191.9
15°	6176.0
17.5°	6132.7
20°	6061.8
22.5°	5987.6
25°	5910.1
27.5°	5812.5
30°	5690.8
32.5°	5552.4
35°	5379.8
37.5°	5105.6
40°	4608.7
42.5°	4010.1
45°	3365.6
47.5°	2720.4
50°	2132.6
52.5°	1674.9
55°	1323.1
57.5°	1038.8
60°	850.4
62.5°	737.0
65°	545.2
67.5°	359.3
70°	248.4
72.5°	191.8
75°	159.2
77.5°	131.7
80°	103.4
82.5°	80.9
85°	67.5
87.5°	62.5
90°	65.0
92.5°	80.0
95°	101.7
97.5°	125.1
100°	140.1
102.5°	144.2
105°	137.6
107.5°	124.2
110°	107.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	90.0
115°	74.2
117.5°	59.2
120°	47.5
122.5°	38.4
125°	32.5
127.5°	28.3
130°	26.7
132.5°	25.8
135°	26.7
137.5°	27.5
140°	27.5
142.5°	28.3
145°	28.3
147.5°	28.3
150°	28.3
152.5°	28.3
155°	27.5
157.5°	26.7
160°	25.0
162.5°	23.3
165°	21.7
167.5°	20.0
170°	17.5
172.5°	15.8
175°	14.2
177.5°	13.3
180°	13.3

(END OF REPORT)