

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: P1504347

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (6500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504347
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-5)
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-TRWH-PS (6500K_L18_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

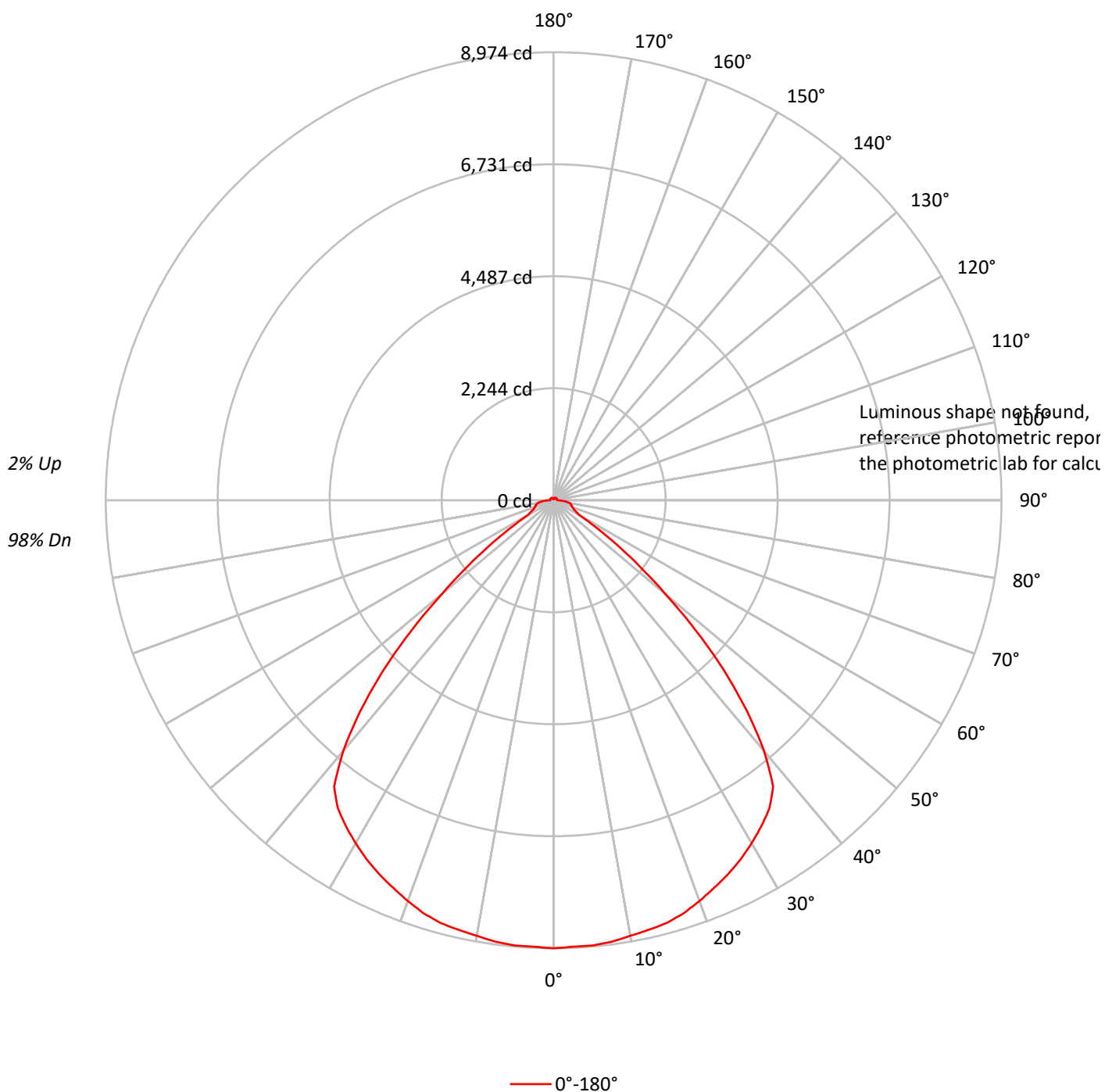
Lumens per Lamp: N/A
Luminaire Lumens: 18362.7 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 123.3
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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100			98
1	111	107	104	101	108	104	101	99	100	97	95	96	94	92	92	90	89			87
2	103	96	91	86	100	94	89	85	91	87	83	87	84	81	84	81	79			77
3	96	87	81	75	93	85	79	74	82	77	73	79	75	71	77	73	70			68
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	70	66	63			61
5	83	72	64	59	81	71	64	58	68	62	58	66	61	57	64	60	56			54
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	50			49
7	72	60	53	47	70	59	52	47	58	51	46	56	50	46	55	50	46			44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	41			40
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35			33

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	851.4	4.6
10°-20°	2472.4	13.5
20°-30°	3812.4	20.8
30°-40°	4656.9	25.4
40°-50°	3674.7	20.0
50°-60°	1414.7	7.7
60°-70°	469.5	2.6
70°-80°	382.4	2.1
80°-90°	226.6	1.2
90°-100°	76.5	0.4
100°-110°	75.1	0.4
110°-120°	68.7	0.4
120°-130°	59.4	0.3
130°-140°	48.3	0.3
140°-150°	37.2	0.2
150°-160°	23.7	0.1
160°-170°	10.4	0.1
170°-180°	2.5	0.0
0°-30°	7136.3	38.9
0°-40°	11793.2	64.2
0°-60°	16882.5	91.9
0°-90°	17960.9	97.8
90°-120°	220.3	1.2
90°-150°	365.1	2.0
90°-180°	402.0	2.2
0°-180°	18362.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8974	
5°	8952	851
15°	8764	2472
25°	8264	3812
35°	7536	4657
45°	4836	3675
55°	1514	1415
65°	463	469
75°	365	382
85°	218	197
90°	70	49
95°	70	57
105°	72	75
115°	69	69
125°	66	59
135°	62	48
145°	59	37
155°	50	24
165°	35	10
175°	24	2
180°	22	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8974.3
2.5°	8952.0
5°	8952.0
7.5°	8918.0
10°	8859.3
12.5°	8813.5
15°	8764.3
17.5°	8671.6
20°	8541.4
22.5°	8403.0
25°	8264.5
27.5°	8112.0
30°	7932.5
32.5°	7743.7
35°	7536.0
37.5°	7222.8
40°	6560.0
42.5°	5741.2
45°	4835.5
47.5°	3864.2
50°	2919.9
52.5°	2155.0
55°	1514.5
57.5°	969.0
60°	597.1
62.5°	517.3
65°	463.4
67.5°	418.8
70°	397.7
72.5°	378.9
75°	364.8
77.5°	346.1
80°	316.7
82.5°	275.7
85°	218.2
87.5°	144.3
90°	70.4
92.5°	69.2
95°	70.4
97.5°	70.4
100°	70.4
102.5°	71.6
105°	71.6
107.5°	70.4
110°	70.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	70.4
115°	69.2
117.5°	68.0
120°	68.0
122.5°	66.9
125°	65.7
127.5°	65.7
130°	64.5
132.5°	63.3
135°	62.2
137.5°	61.0
140°	61.0
142.5°	59.8
145°	58.7
147.5°	58.7
150°	57.5
152.5°	55.1
155°	50.4
157.5°	46.9
160°	43.4
162.5°	39.9
165°	35.2
167.5°	32.8
170°	29.3
172.5°	27.0
175°	23.5
177.5°	22.3
180°	22.3

(END OF REPORT)