

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: P1504320

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504320
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 (3500K_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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

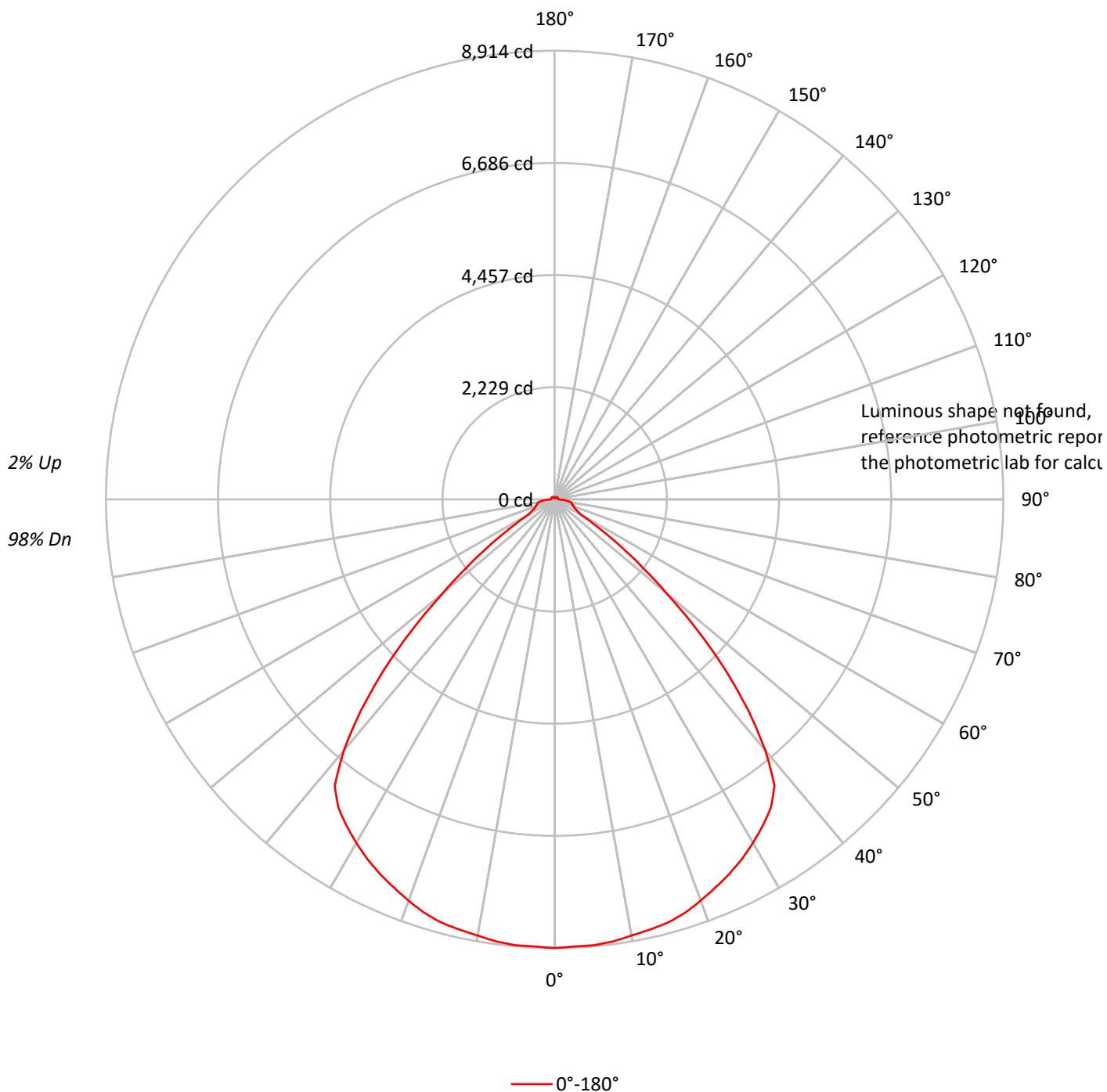
Lumens per Lamp: N/A
Luminaire Lumens: 18239.2 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 120.7
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



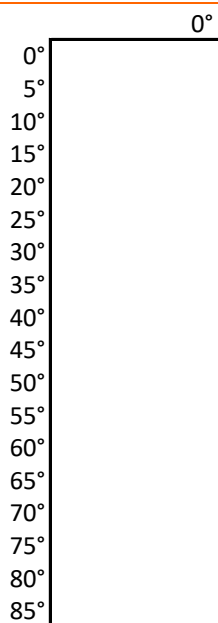
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	845.7	4.6
10°-20°	2455.8	13.5
20°-30°	3786.8	20.8
30°-40°	4625.6	25.4
40°-50°	3650.0	20.0
50°-60°	1405.1	7.7
60°-70°	466.3	2.6
70°-80°	379.8	2.1
80°-90°	225.0	1.2
90°-100°	75.9	0.4
100°-110°	74.6	0.4
110°-120°	68.3	0.4
120°-130°	59.0	0.3
130°-140°	48.0	0.3
140°-150°	36.9	0.2
150°-160°	23.5	0.1
160°-170°	10.4	0.1
170°-180°	2.5	0.0
0°-30°	7088.3	38.9
0°-40°	11713.9	64.2
0°-60°	16769.0	91.9
0°-90°	17840.2	97.8
90°-120°	218.8	1.2
90°-150°	362.7	2.0
90°-180°	399.0	2.2
0°-180°	18239.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8914	
5°	8892	846
15°	8705	2456
25°	8209	3787
35°	7485	4626
45°	4803	3650
55°	1504	1405
65°	460	466
75°	362	380
85°	217	196
90°	70	48
95°	70	57
105°	71	75
115°	69	68
125°	65	59
135°	62	48
145°	58	37
155°	50	24
165°	35	10
175°	23	2
180°	22	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8913.9
2.5°	8891.8
5°	8891.8
7.5°	8858.0
10°	8799.7
12.5°	8754.3
15°	8705.3
17.5°	8613.3
20°	8483.9
22.5°	8346.5
25°	8209.0
27.5°	8057.5
30°	7879.2
32.5°	7691.6
35°	7485.4
37.5°	7174.2
40°	6515.9
42.5°	5702.6
45°	4803.0
47.5°	3838.2
50°	2900.2
52.5°	2140.5
55°	1504.3
57.5°	962.5
60°	593.1
62.5°	513.9
65°	460.3
67.5°	416.0
70°	395.0
72.5°	376.4
75°	362.4
77.5°	343.7
80°	314.6
82.5°	273.8
85°	216.7
87.5°	143.3
90°	69.9
92.5°	68.7
95°	69.9
97.5°	69.9
100°	69.9
102.5°	71.1
105°	71.1
107.5°	69.9
110°	69.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	69.9
115°	68.7
117.5°	67.6
120°	67.6
122.5°	66.4
125°	65.3
127.5°	65.3
130°	64.1
132.5°	62.9
135°	61.8
137.5°	60.6
140°	60.6
142.5°	59.4
145°	58.3
147.5°	58.3
150°	57.1
152.5°	54.8
155°	50.1
157.5°	46.6
160°	43.1
162.5°	39.6
165°	35.0
167.5°	32.6
170°	29.1
172.5°	26.8
175°	23.3
177.5°	22.1
180°	22.1

(END OF REPORT)