

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: P1504633

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (3500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504633
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-32)
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 (3500K_L18_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

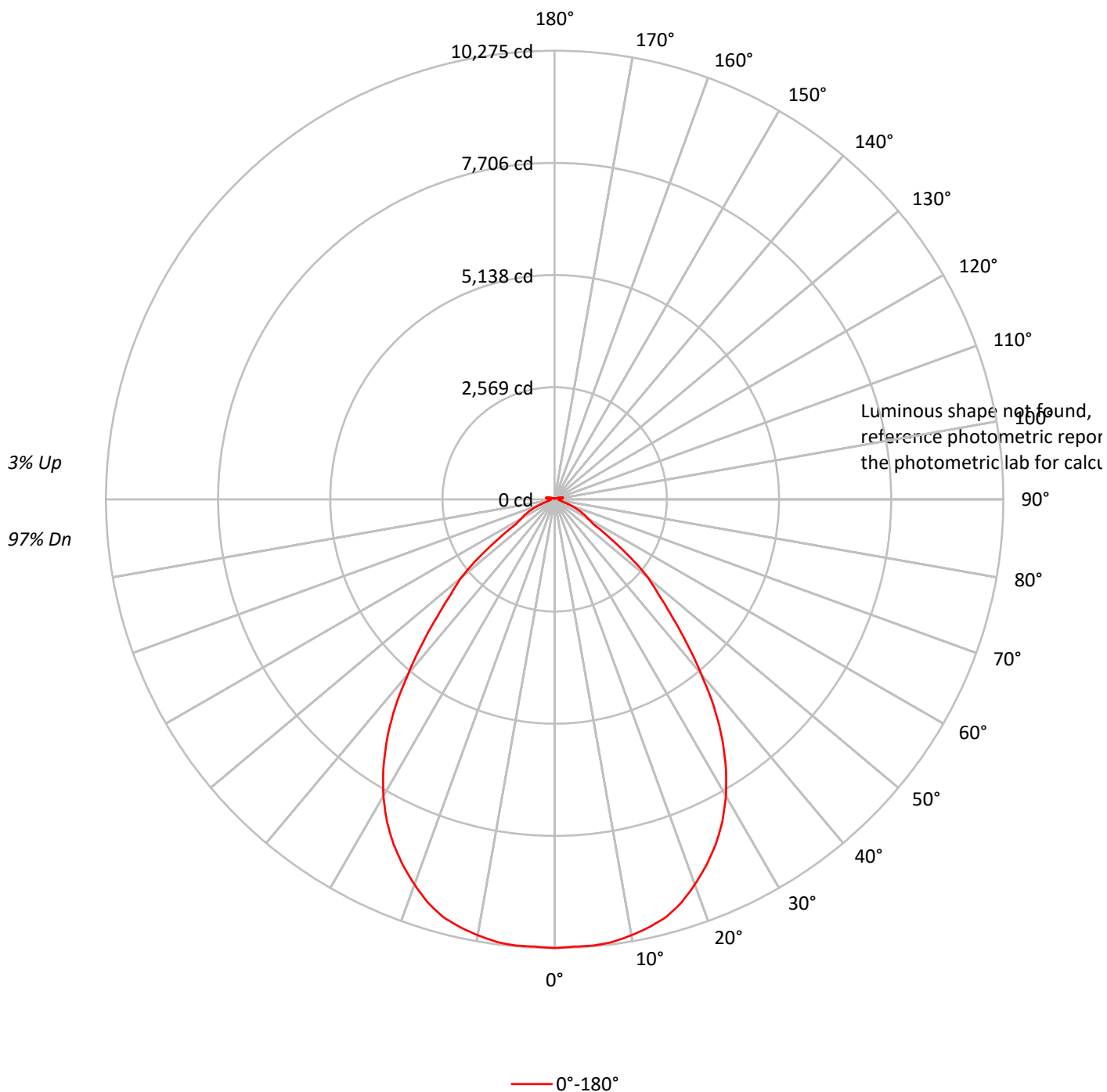
Lumens per Lamp: N/A
Luminaire Lumens: 17818.5 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

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					10
RW	70	50	30	10	70	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
1	111	107	104	101	108	105	102	99		100	98	96		96	94	92		92	90	89
2	103	97	92	88	101	95	90	86		91	87	84		88	84	82		84	82	79
3	96	88	82	77	94	86	80	76		83	78	74		80	76	73		77	74	71
4	90	80	73	68	87	79	72	67		76	70	66		73	69	65		71	67	64
5	84	73	66	60	82	72	65	60		70	64	59		68	62	58		66	61	57
6	78	67	60	54	76	66	59	54		64	58	53		62	57	53		61	56	52
7	73	62	54	49	71	61	54	49		59	53	48		58	52	48		56	51	47
8	69	57	50	45	67	56	49	44		55	49	44		53	48	44		52	47	43
9	65	53	46	41	63	52	45	41		51	45	40		50	44	40		49	43	40
10	61	49	42	38	60	49	42	37		47	41	37		46	41	37		45	40	37

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	975.3	5.5
10°-20°	2779.0	15.6
20°-30°	3997.4	22.4
30°-40°	4132.9	23.2
40°-50°	2982.4	16.7
50°-60°	1470.6	8.3
60°-70°	626.2	3.5
70°-80°	209.9	1.2
80°-90°	106.0	0.6
90°-100°	176.1	1.0
100°-110°	180.7	1.0
110°-120°	86.9	0.5
120°-130°	33.6	0.2
130°-140°	22.1	0.1
140°-150°	17.9	0.1
150°-160°	12.8	0.1
160°-170°	6.9	0.0
170°-180°	1.9	0.0
0°-30°	7751.7	43.5
0°-40°	11884.5	66.7
0°-60°	16337.5	91.7
0°-90°	17279.6	97.0
90°-120°	443.8	2.5
90°-150°	517.4	2.9
90°-180°	539.0	3.0
0°-180°	17818.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10275	
5°	10256	975
15°	9895	2779
25°	8720	3997
35°	6687	4133
45°	3813	2982
55°	1559	1471
65°	647	626
75°	176	210
85°	89	78
90°	108	61
95°	167	143
105°	175	181
115°	85	87
125°	35	34
135°	28	22
145°	28	18
155°	28	13
165°	24	7
175°	20	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10274.9
2.5°	10252.7
5°	10256.2
7.5°	10221.3
10°	10135.1
12.5°	10033.7
15°	9895.0
17.5°	9674.8
20°	9385.8
22.5°	9071.2
25°	8720.5
27.5°	8318.5
30°	7841.9
32.5°	7300.1
35°	6687.2
37.5°	6002.0
40°	5217.8
42.5°	4487.3
45°	3812.6
47.5°	3232.3
50°	2794.2
52.5°	2195.3
55°	1559.1
57.5°	1044.0
60°	880.9
62.5°	764.4
65°	646.7
67.5°	504.5
70°	361.2
72.5°	244.7
75°	175.9
77.5°	139.8
80°	111.9
82.5°	95.5
85°	88.6
87.5°	94.4
90°	108.4
92.5°	135.2
95°	166.6
97.5°	191.1
100°	198.1
102.5°	191.1
105°	174.8
107.5°	152.6
110°	129.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	106.0
115°	85.1
117.5°	66.4
120°	52.4
122.5°	41.9
125°	35.0
127.5°	31.5
130°	29.1
132.5°	28.0
135°	28.0
137.5°	29.1
140°	29.1
142.5°	29.1
145°	28.0
147.5°	28.0
150°	28.0
152.5°	28.0
155°	28.0
157.5°	26.8
160°	26.8
162.5°	25.6
165°	24.5
167.5°	22.1
170°	21.0
172.5°	19.8
175°	19.8
177.5°	21.0
180°	21.0

(END OF REPORT)