

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: P1504832

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (5000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504832
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-55)
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-06-CLER-PS (5000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

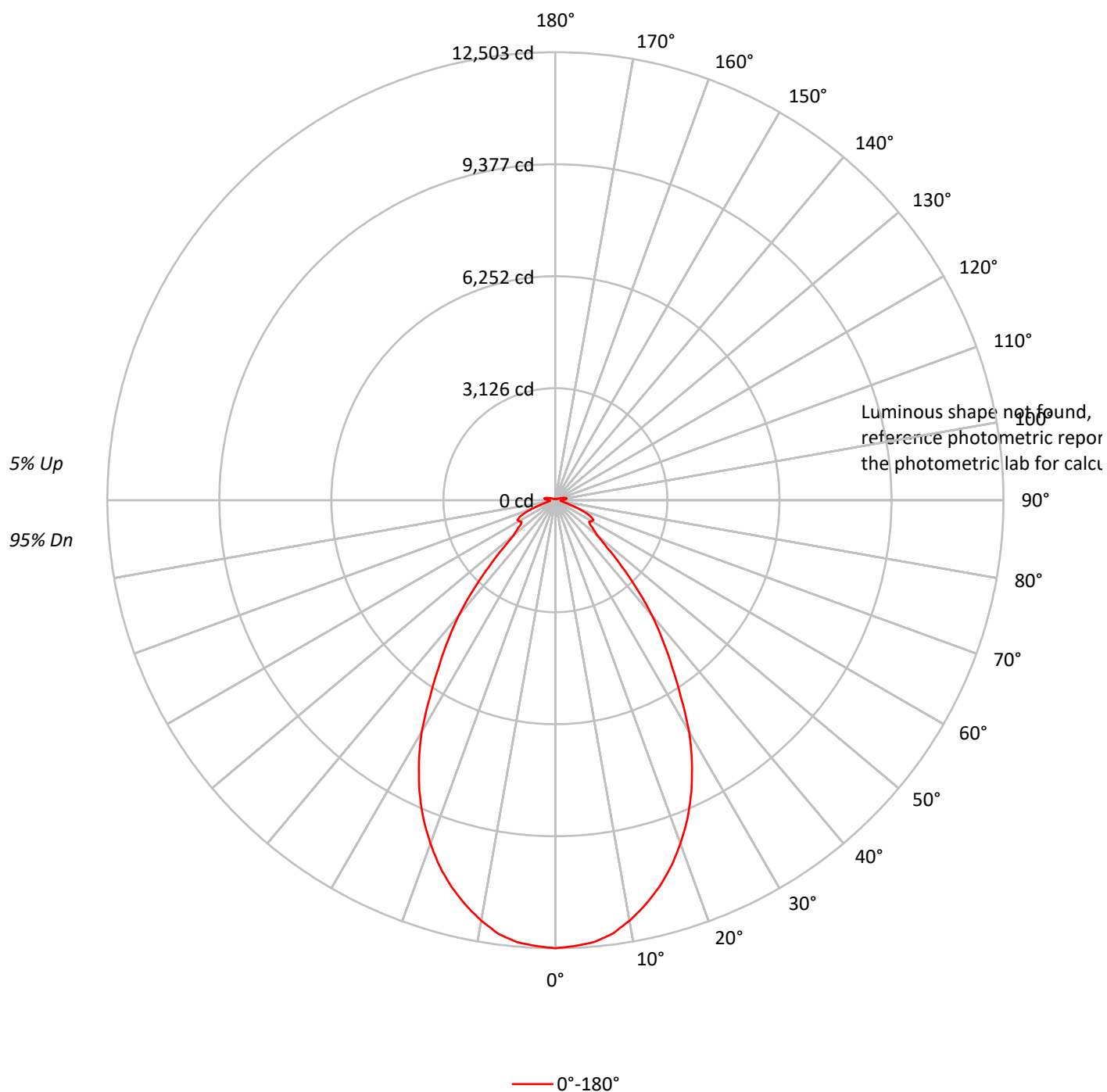
Lumens per Lamp: N/A
Luminaire Lumens: 17561.4 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 120.1
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



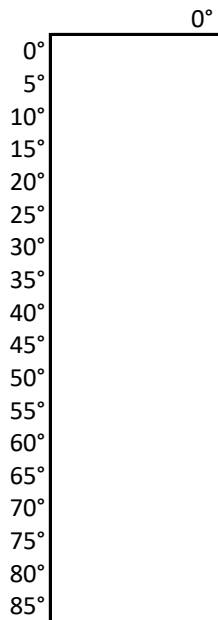
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	108	108	108	103	103	103	98	98	98	95
1	110	107	103	100	107	104	101	98	99	96	94	94	92	91	90	89	87	85
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	83	80	78	76
3	96	87	81	76	93	86	80	75	82	77	73	79	75	71	76	73	70	68
4	89	80	73	68	87	78	72	67	75	70	65	73	68	64	70	66	63	61
5	84	73	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	55
6	78	68	60	55	76	66	60	55	64	58	54	62	57	53	60	56	52	50
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	46
8	69	58	51	46	68	57	50	46	56	50	45	54	49	45	53	48	44	43
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39
10	62	51	44	39	61	50	44	39	49	43	39	48	42	39	47	42	38	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°	1166.8	6.6
10°-20°	3131.3	17.8
20°-30°	4091.8	23.3
30°-40°	3561.1	20.3
40°-50°	2068.6	11.8
50°-60°	1114.9	6.3
60°-70°	1023.2	5.8
70°-80°	384.3	2.2
80°-90°	174.3	1.0
90°-100°	289.2	1.6
100°-110°	269.1	1.5
110°-120°	123.2	0.7
120°-130°	53.9	0.3
130°-140°	40.2	0.2
140°-150°	31.5	0.2
150°-160°	21.8	0.1
160°-170°	12.7	0.1
170°-180°	3.5	0.0
0°-30°	8389.9	47.8
0°-40°	11951.0	68.1
0°-60°	15134.5	86.2
0°-90°	16716.3	95.2
90°-120°	681.5	3.9
90°-150°	807.1	4.6
90°-180°	845.0	4.8
0°-180°	17561.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12503	
5°	12376	###
15°	11180	3131
25°	8976	4092
35°	5670	3561
45°	2625	2069
55°	1177	1115
65°	1102	1023
75°	326	384
85°	147	127
90°	187	104
95°	274	232
105°	256	269
115°	120	123
125°	58	54
135°	52	40
145°	50	31
155°	47	22
165°	46	13
175°	36	3
180°	37	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12503.4
2.5°	12450.8
5°	12376.5
7.5°	12202.9
10°	11913.1
12.5°	11571.9
15°	11180.3
17.5°	10724.1
20°	10199.6
22.5°	9626.0
25°	8975.8
27.5°	8247.8
30°	7464.7
32.5°	6518.7
35°	5669.8
37.5°	4919.0
40°	4177.8
42.5°	3397.1
45°	2624.7
47.5°	1960.2
50°	1526.7
52.5°	1344.7
55°	1177.1
57.5°	1117.2
60°	1167.5
62.5°	1198.6
65°	1101.6
67.5°	911.2
70°	682.5
72.5°	474.2
75°	325.7
77.5°	231.1
80°	176.0
82.5°	150.9
85°	147.3
87.5°	159.3
90°	186.8
92.5°	228.7
95°	274.2
97.5°	307.7
100°	313.7
102.5°	293.4
105°	256.2
107.5°	217.9
110°	182.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	148.5
115°	119.7
117.5°	95.8
120°	77.8
122.5°	64.7
125°	57.5
127.5°	52.7
130°	51.5
132.5°	51.5
135°	51.5
137.5°	52.7
140°	52.7
142.5°	51.5
145°	50.3
147.5°	47.9
150°	47.9
152.5°	46.7
155°	46.7
157.5°	46.7
160°	47.9
162.5°	46.7
165°	45.5
167.5°	41.9
170°	38.3
172.5°	35.9
175°	35.9
177.5°	37.1
180°	37.1

(END OF REPORT)