

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: P1504463

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (4000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504463
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-43)
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-06-CLER-PS (4000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

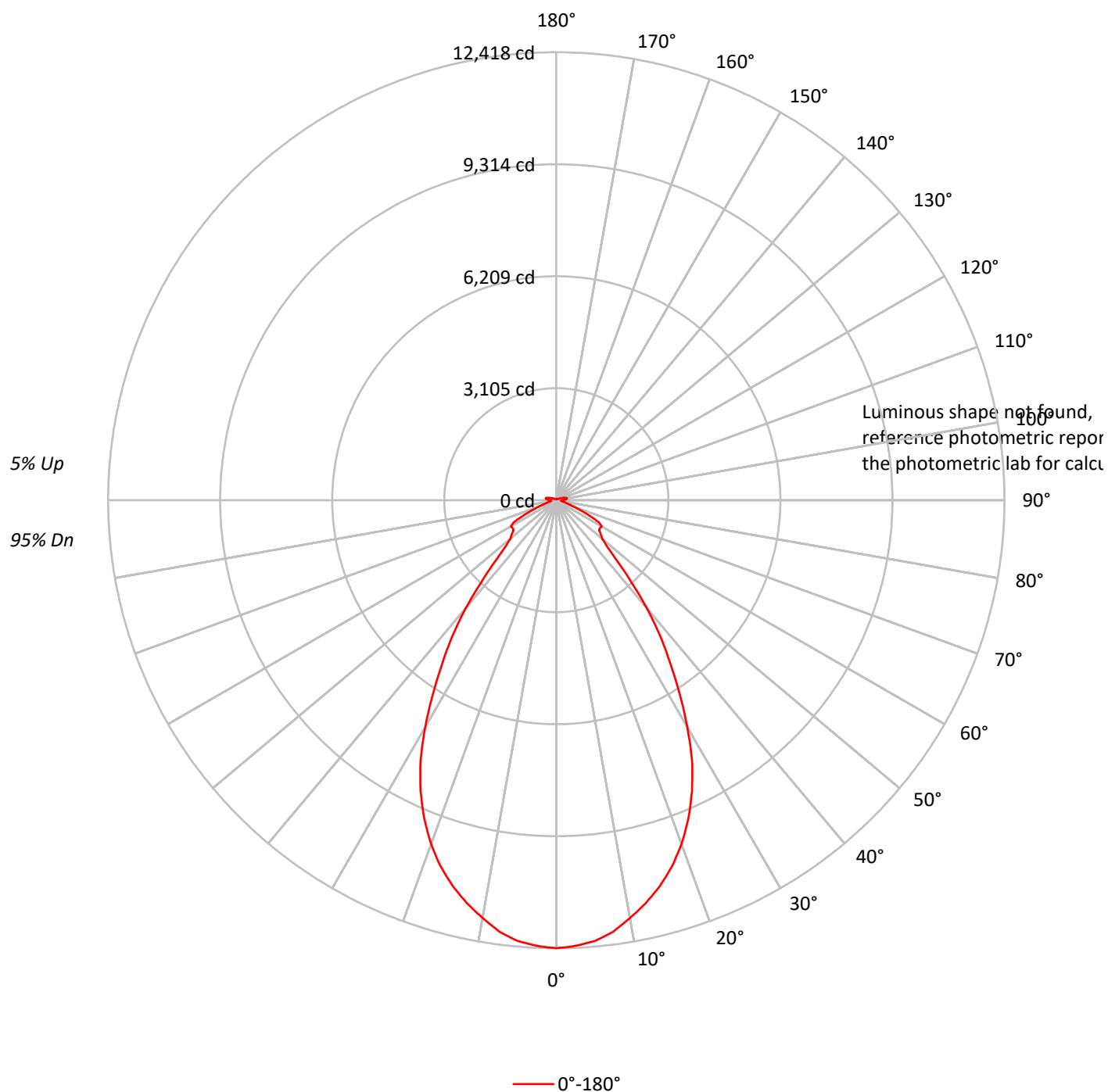
Lumens per Lamp: N/A
Luminaire Lumens: 17321.5 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 119.3
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





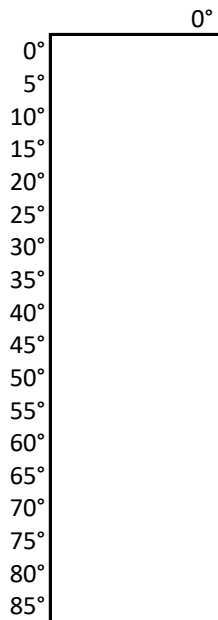
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				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	97	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	88	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	66	73	68	64	70	66	63	61		
5	84	73	66	61	81	72	65	60	69	64	59	67	62	58	65	61	57	55		
6	78	68	60	55	76	66	60	54	64	58	54	62	57	53	60	56	52	50		
7	74	62	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	38	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°	1154.6	6.7
10°-20°	3102.9	17.9
20°-30°	4045.5	23.4
30°-40°	3436.1	19.8
40°-50°	1940.1	11.2
50°-60°	1341.7	7.7
60°-70°	993.2	5.7
70°-80°	314.8	1.8
80°-90°	164.6	1.0
90°-100°	269.2	1.6
100°-110°	271.7	1.6
110°-120°	129.5	0.7
120°-130°	54.6	0.3
130°-140°	37.8	0.2
140°-150°	29.7	0.2
150°-160°	21.0	0.1
160°-170°	11.3	0.1
170°-180°	3.0	0.0
0°-30°	8303.1	47.9
0°-40°	11739.2	67.8
0°-60°	15020.9	86.7
0°-90°	16493.5	95.2
90°-120°	670.4	3.9
90°-150°	792.5	4.6
90°-180°	828.0	4.8
0°-180°	17321.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12418	
5°	12264	###
15°	11075	3103
25°	8894	4046
35°	5494	3436
45°	2387	1940
55°	1447	1342
65°	1017	993
75°	283	315
85°	139	120
90°	176	98
95°	252	216
105°	261	272
115°	126	130
125°	58	55
135°	49	38
145°	48	30
155°	45	21
165°	39	11
175°	30	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12418.3
2.5°	12362.5
5°	12263.9
7.5°	12063.2
10°	11759.1
12.5°	11438.5
15°	11075.0
17.5°	10648.7
20°	10140.3
22.5°	9557.2
25°	8894.5
27.5°	8145.1
30°	7256.7
32.5°	6356.4
35°	5494.2
37.5°	4707.9
40°	3903.9
42.5°	3064.2
45°	2387.2
47.5°	1912.2
50°	1658.0
52.5°	1555.8
55°	1446.6
57.5°	1431.1
60°	1456.1
62.5°	1325.4
65°	1016.6
67.5°	711.4
70°	496.4
72.5°	368.2
75°	282.7
77.5°	212.6
80°	166.3
82.5°	142.5
85°	139.0
87.5°	150.8
90°	175.8
92.5°	211.4
95°	251.8
97.5°	286.2
100°	300.5
102.5°	289.8
105°	261.3
107.5°	228.0
110°	192.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	156.8
115°	125.9
117.5°	99.8
120°	80.8
122.5°	66.5
125°	58.2
127.5°	52.3
130°	49.9
132.5°	48.7
135°	48.7
137.5°	48.7
140°	48.7
142.5°	47.5
145°	47.5
147.5°	46.3
150°	46.3
152.5°	46.3
155°	45.1
157.5°	45.1
160°	43.9
162.5°	42.8
165°	39.2
167.5°	36.8
170°	34.4
172.5°	32.1
175°	29.7
177.5°	29.7
180°	29.7

(END OF REPORT)