

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: P1504831

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (5000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504831
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-56)
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_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

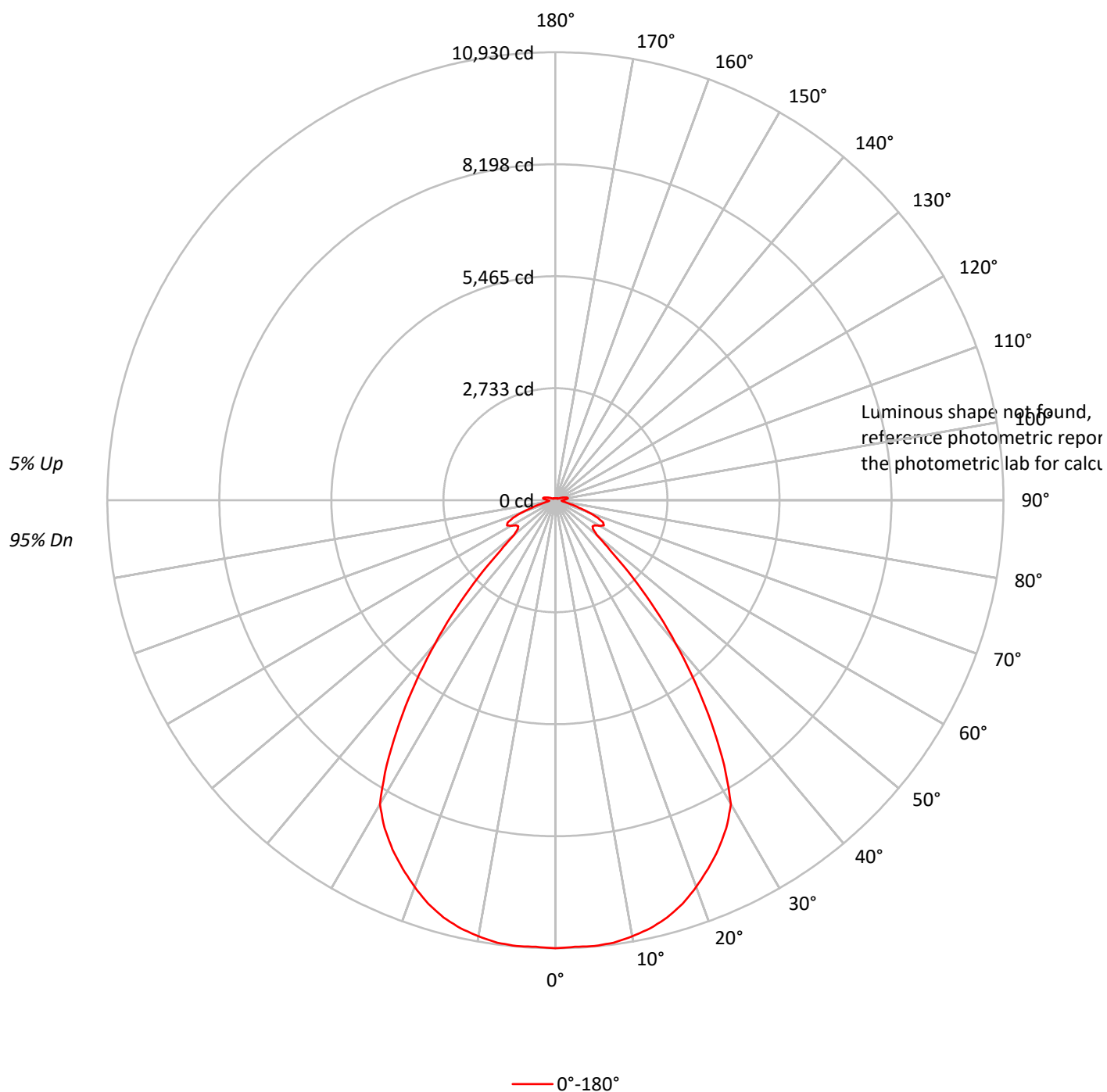
Lumens per Lamp: N/A
Luminaire Lumens: 18258.3 lumens
Efficiency: N/A
Efficacy: 152.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.09
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

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				0
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	109	109	109	103	103	103	98	98	98	95			
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	88	87	85			
2	102	96	90	86	100	94	89	85	90	85	82	86	82	79	82	79	77	75			
3	95	87	80	75	93	85	79	74	82	77	72	78	74	71	75	72	69	67			
4	89	79	72	67	86	78	71	66	75	69	65	72	67	63	69	65	62	60			
5	83	72	65	60	81	71	64	59	69	63	58	66	61	57	64	60	56	54			
6	78	67	59	54	76	66	59	53	63	57	53	61	56	52	60	55	51	49			
7	73	62	54	49	71	61	54	49	59	53	48	57	52	47	55	51	47	45			
8	69	57	50	45	67	56	49	45	55	48	44	53	48	44	52	47	43	41			
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	48	43	40	38			
10	61	50	43	38	60	49	42	38	48	42	38	46	41	37	45	40	37	35			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1038.5	5.7
10°-20°	2964.1	16.2
20°-30°	4314.4	23.6
30°-40°	4105.6	22.5
40°-50°	2092.1	11.5
50°-60°	1049.3	5.7
60°-70°	1181.7	6.5
70°-80°	477.1	2.6
80°-90°	178.6	1.0
90°-100°	275.0	1.5
100°-110°	271.6	1.5
110°-120°	129.3	0.7
120°-130°	58.8	0.3
130°-140°	45.0	0.2
140°-150°	35.2	0.2
150°-160°	24.1	0.1
160°-170°	14.1	0.1
170°-180°	3.9	0.0
0°-30°	8317.1	45.6
0°-40°	12422.7	68.0
0°-60°	15564.0	85.2
0°-90°	17401.4	95.3
90°-120°	675.9	3.7
90°-150°	814.8	4.5
90°-180°	857.0	4.7
0°-180°	18258.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10930	
5°	10916	###
15°	10540	2964
25°	9401	4314
35°	6632	4106
45°	2651	2092
55°	1105	1049
65°	1284	1182
75°	405	477
85°	150	133
90°	175	98
95°	259	222
105°	261	272
115°	126	129
125°	62	59
135°	59	45
145°	56	35
155°	52	24
165°	50	14
175°	41	4
180°	42	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10930.0
2.5°	10904.9
5°	10915.7
7.5°	10888.1
10°	10803.1
12.5°	10696.5
15°	10539.7
17.5°	10322.9
20°	10040.4
22.5°	9729.0
25°	9400.9
27.5°	9023.7
30°	8560.3
32.5°	7663.5
35°	6632.5
37.5°	5599.1
40°	4564.6
42.5°	3591.1
45°	2651.1
47.5°	1805.7
50°	1319.6
52.5°	1156.7
55°	1105.2
57.5°	1137.5
60°	1242.9
62.5°	1333.9
65°	1283.6
67.5°	1105.2
70°	856.2
72.5°	601.1
75°	404.7
77.5°	279.0
80°	201.2
82.5°	162.8
85°	149.7
87.5°	154.5
90°	174.8
92.5°	213.1
95°	258.6
97.5°	295.8
100°	307.7
102.5°	292.2
105°	261.0
107.5°	223.9
110°	188.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	155.7
115°	125.7
117.5°	101.8
120°	82.6
122.5°	70.6
125°	62.3
127.5°	58.7
130°	56.3
132.5°	57.5
135°	58.7
137.5°	58.7
140°	58.7
142.5°	57.5
145°	56.3
147.5°	53.9
150°	52.7
152.5°	52.7
155°	51.5
157.5°	51.5
160°	52.7
162.5°	51.5
165°	50.3
167.5°	46.7
170°	43.1
172.5°	40.7
175°	40.7
177.5°	40.7
180°	41.9

(END OF REPORT)