

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: P1504445

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (3000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504445
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 (3000K_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

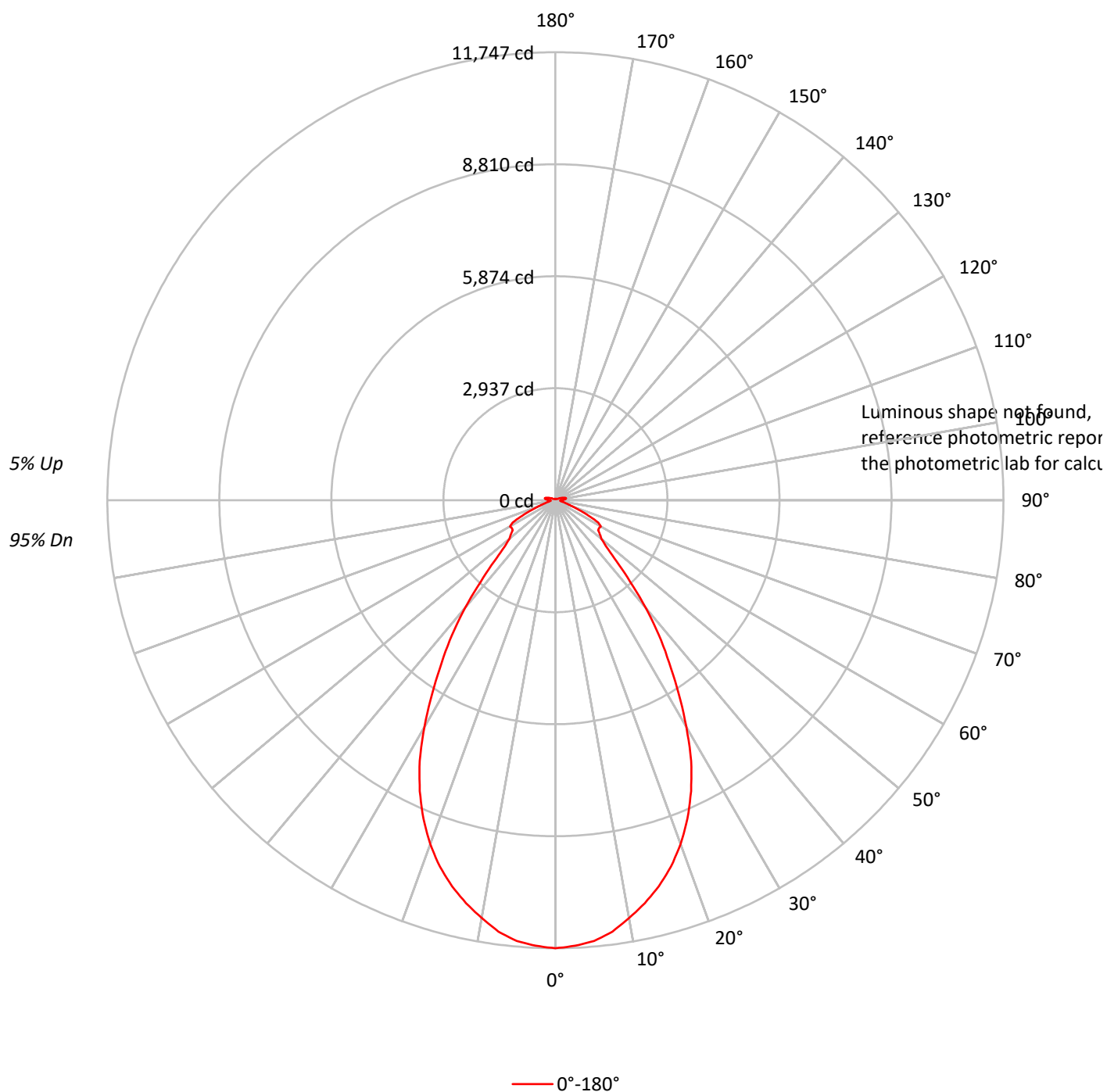
Lumens per Lamp: N/A
Luminaire Lumens: 16385.3 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 122.9
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		
R																				
C	0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95	
R	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°	1092.2	6.7
10°-20°	2935.2	17.9
20°-30°	3826.8	23.4
30°-40°	3250.4	19.8
40°-50°	1835.2	11.2
50°-60°	1269.2	7.7
60°-70°	939.6	5.7
70°-80°	297.7	1.8
80°-90°	155.7	1.0
90°-100°	254.7	1.6
100°-110°	257.0	1.6
110°-120°	122.5	0.7
120°-130°	51.6	0.3
130°-140°	35.8	0.2
140°-150°	28.1	0.2
150°-160°	19.9	0.1
160°-170°	10.7	0.1
170°-180°	2.9	0.0
0°-30°	7854.2	47.9
0°-40°	11104.6	67.8
0°-60°	14209.0	86.7
0°-90°	15602.1	95.2
90°-120°	634.2	3.9
90°-150°	749.7	4.6
90°-180°	783.0	4.8
0°-180°	16385.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11747	
5°	11601	###
15°	10476	2935
25°	8414	3827
35°	5197	3250
45°	2258	1835
55°	1368	1269
65°	962	940
75°	267	298
85°	131	113
90°	166	93
95°	238	204
105°	247	257
115°	119	123
125°	55	52
135°	46	36
145°	45	28
155°	43	20
165°	37	11
175°	28	3
180°	28	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11747.1
2.5°	11694.3
5°	11601.0
7.5°	11411.2
10°	11123.5
12.5°	10820.2
15°	10476.4
17.5°	10073.1
20°	9592.2
22.5°	9040.6
25°	8413.7
27.5°	7704.8
30°	6864.4
32.5°	6012.8
35°	5197.2
37.5°	4453.5
40°	3692.9
42.5°	2898.6
45°	2258.2
47.5°	1808.8
50°	1568.4
52.5°	1471.8
55°	1368.4
57.5°	1353.8
60°	1377.4
62.5°	1253.8
65°	961.7
67.5°	673.0
70°	469.6
72.5°	348.3
75°	267.4
77.5°	201.1
80°	157.3
82.5°	134.8
85°	131.4
87.5°	142.7
90°	166.3
92.5°	200.0
95°	238.2
97.5°	270.8
100°	284.2
102.5°	274.1
105°	247.2
107.5°	215.7
110°	182.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	148.3
115°	119.1
117.5°	94.4
120°	76.4
122.5°	62.9
125°	55.1
127.5°	49.4
130°	47.2
132.5°	46.1
135°	46.1
137.5°	46.1
140°	46.1
142.5°	44.9
145°	44.9
147.5°	43.8
150°	43.8
152.5°	43.8
155°	42.7
157.5°	42.7
160°	41.6
162.5°	40.4
165°	37.1
167.5°	34.8
170°	32.6
172.5°	30.3
175°	28.1
177.5°	28.1
180°	28.1

(END OF REPORT)