

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: P1504829

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (5000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504829
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_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

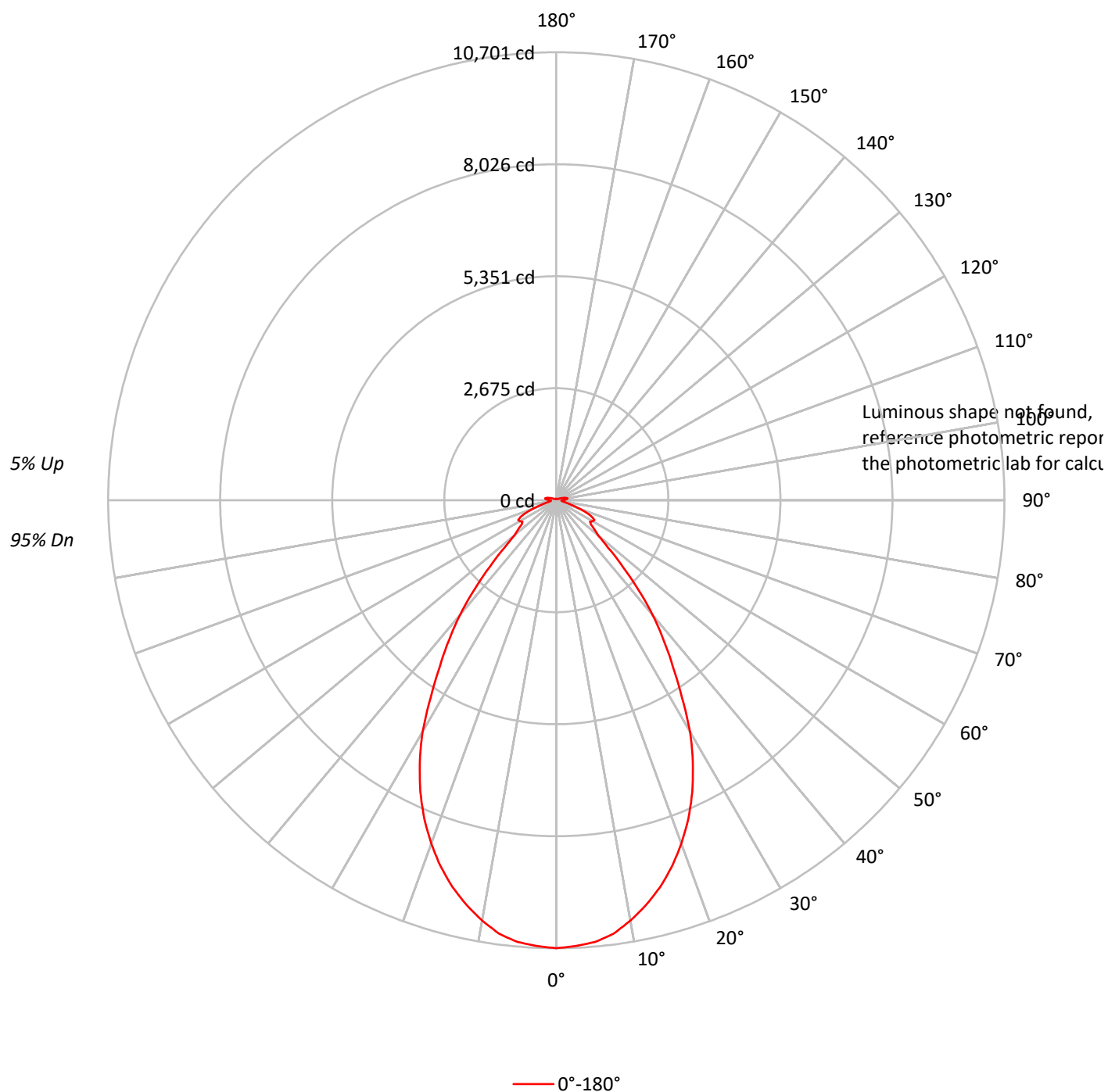
Lumens per Lamp: N/A
Luminaire Lumens: 15029.2 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 100.1
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	50	30	10	50	30	10		
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°	998.6	6.6
10°-20°	2679.8	17.8
20°-30°	3501.8	23.3
30°-40°	3047.6	20.3
40°-50°	1770.4	11.8
50°-60°	954.1	6.3
60°-70°	875.7	5.8
70°-80°	328.8	2.2
80°-90°	149.1	1.0
90°-100°	247.5	1.6
100°-110°	230.3	1.5
110°-120°	105.5	0.7
120°-130°	46.2	0.3
130°-140°	34.4	0.2
140°-150°	26.9	0.2
150°-160°	18.6	0.1
160°-170°	10.9	0.1
170°-180°	3.0	0.0
0°-30°	7180.2	47.8
0°-40°	10227.8	68.1
0°-60°	12952.3	86.2
0°-90°	14305.9	95.2
90°-120°	583.3	3.9
90°-150°	690.8	4.6
90°-180°	723.0	4.8
0°-180°	15029.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10701	
5°	10592	999
15°	9568	2680
25°	7682	3502
35°	4852	3048
45°	2246	1770
55°	1007	954
65°	943	876
75°	279	329
85°	126	109
90°	160	89
95°	235	199
105°	219	230
115°	102	105
125°	49	46
135°	44	34
145°	43	27
155°	40	19
165°	39	11
175°	31	3
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10700.6
2.5°	10655.5
5°	10591.9
7.5°	10443.3
10°	10195.3
12.5°	9903.3
15°	9568.2
17.5°	9177.8
20°	8728.9
22.5°	8238.1
25°	7681.6
27.5°	7058.6
30°	6388.4
32.5°	5578.8
35°	4852.2
37.5°	4209.7
40°	3575.4
42.5°	2907.2
45°	2246.3
47.5°	1677.5
50°	1306.6
52.5°	1150.8
55°	1007.3
57.5°	956.1
60°	999.1
62.5°	1025.8
65°	942.8
67.5°	779.8
70°	584.1
72.5°	405.8
75°	278.7
77.5°	197.8
80°	150.6
82.5°	129.1
85°	126.0
87.5°	136.3
90°	159.9
92.5°	195.7
95°	234.7
97.5°	263.4
100°	268.5
102.5°	251.1
105°	219.3
107.5°	186.5
110°	155.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	127.1
115°	102.5
117.5°	82.0
120°	66.6
122.5°	55.3
125°	49.2
127.5°	45.1
130°	44.1
132.5°	44.1
135°	44.1
137.5°	45.1
140°	45.1
142.5°	44.1
145°	43.0
147.5°	41.0
150°	41.0
152.5°	40.0
155°	40.0
157.5°	40.0
160°	41.0
162.5°	40.0
165°	38.9
167.5°	35.9
170°	32.8
172.5°	30.7
175°	30.7
177.5°	31.8
180°	31.8

(END OF REPORT)