

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: P1504514

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504514
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-49)
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-TRWH-PS (5000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

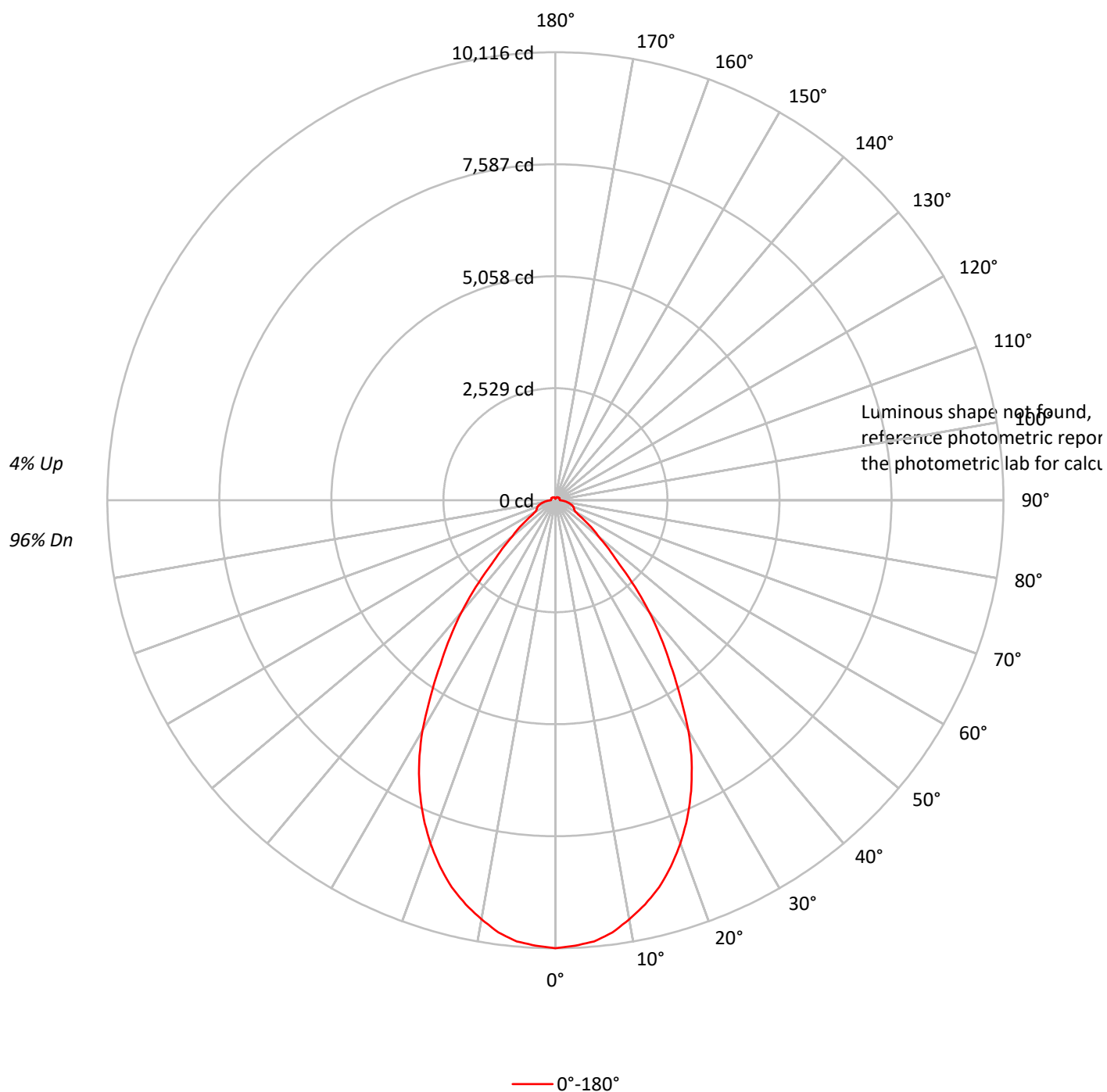
Lumens per Lamp: N/A
Luminaire Lumens: 13634.8 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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





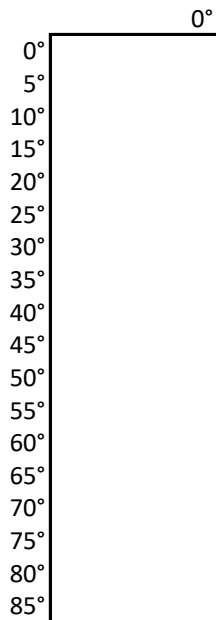
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96		
1	110	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	85		
2	103	97	92	87	100	95	90	86	91	87	83	87	84	81	83	81	79	76		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	74	71	69		
4	90	81	74	69	88	79	73	68	76	71	67	74	69	65	71	68	64	62		
5	85	74	67	62	82	73	66	61	71	65	60	68	63	60	66	62	59	57		
6	79	69	61	56	77	68	61	56	66	60	55	64	58	54	62	57	54	52		
7	75	64	57	51	73	63	56	51	61	55	51	59	54	50	58	53	49	48		
8	70	59	52	47	69	58	52	47	57	51	47	55	50	46	54	49	46	44		
9	67	55	48	44	65	55	48	44	53	47	43	52	47	43	51	46	42	41		
10	63	52	45	41	62	51	45	40	50	44	40	49	44	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	941.9	6.9
10°-20°	2531.2	18.6
20°-30°	3304.5	24.2
30°-40°	2844.2	20.9
40°-50°	1644.1	12.1
50°-60°	754.6	5.5
60°-70°	464.7	3.4
70°-80°	381.8	2.8
80°-90°	207.4	1.5
90°-100°	107.2	0.8
100°-110°	104.8	0.8
110°-120°	96.5	0.7
120°-130°	83.0	0.6
130°-140°	67.0	0.5
140°-150°	50.4	0.4
150°-160°	32.2	0.2
160°-170°	15.3	0.1
170°-180°	3.8	0.0
0°-30°	6777.6	49.7
0°-40°	9621.8	70.6
0°-60°	12020.5	88.2
0°-90°	13074.5	95.9
90°-120°	308.6	2.3
90°-150°	509.0	3.7
90°-180°	560.0	4.1
0°-180°	13634.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10116	
5°	10001	942
15°	9047	2531
25°	7248	3304
35°	4527	2844
45°	2022	1644
55°	816	755
65°	463	465
75°	365	382
85°	190	174
90°	98	60
95°	98	80
105°	99	105
115°	97	96
125°	92	83
135°	86	67
145°	80	50
155°	69	32
165°	53	15
175°	37	4
180°	36	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10115.8
2.5°	10066.7
5°	10000.9
7.5°	9844.8
10°	9605.3
12.5°	9349.1
15°	9046.8
17.5°	8671.8
20°	8246.7
22.5°	7777.5
25°	7248.4
27.5°	6665.3
30°	6006.6
32.5°	5237.0
35°	4527.3
37.5°	3902.0
40°	3301.2
42.5°	2661.2
45°	2022.2
47.5°	1633.4
50°	1272.2
52.5°	1057.2
55°	815.7
57.5°	623.3
60°	525.2
62.5°	484.9
65°	463.3
67.5°	449.6
70°	429.0
72.5°	400.5
75°	365.2
77.5°	324.9
80°	281.7
82.5°	237.6
85°	190.4
87.5°	143.3
90°	98.2
92.5°	97.2
95°	98.2
97.5°	99.1
100°	99.1
102.5°	99.1
105°	99.1
107.5°	99.1
110°	99.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	98.2
115°	97.2
117.5°	96.2
120°	95.2
122.5°	94.2
125°	92.3
127.5°	91.3
130°	89.3
132.5°	88.3
135°	86.4
137.5°	84.4
140°	83.4
142.5°	81.5
145°	80.5
147.5°	78.5
150°	76.6
152.5°	73.6
155°	68.7
157.5°	64.8
160°	61.8
162.5°	56.9
165°	53.0
167.5°	49.1
170°	45.2
172.5°	40.2
175°	37.3
177.5°	36.3
180°	36.3

(END OF REPORT)