

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: P1504504

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (4000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504504
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-50)
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 (4000K_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

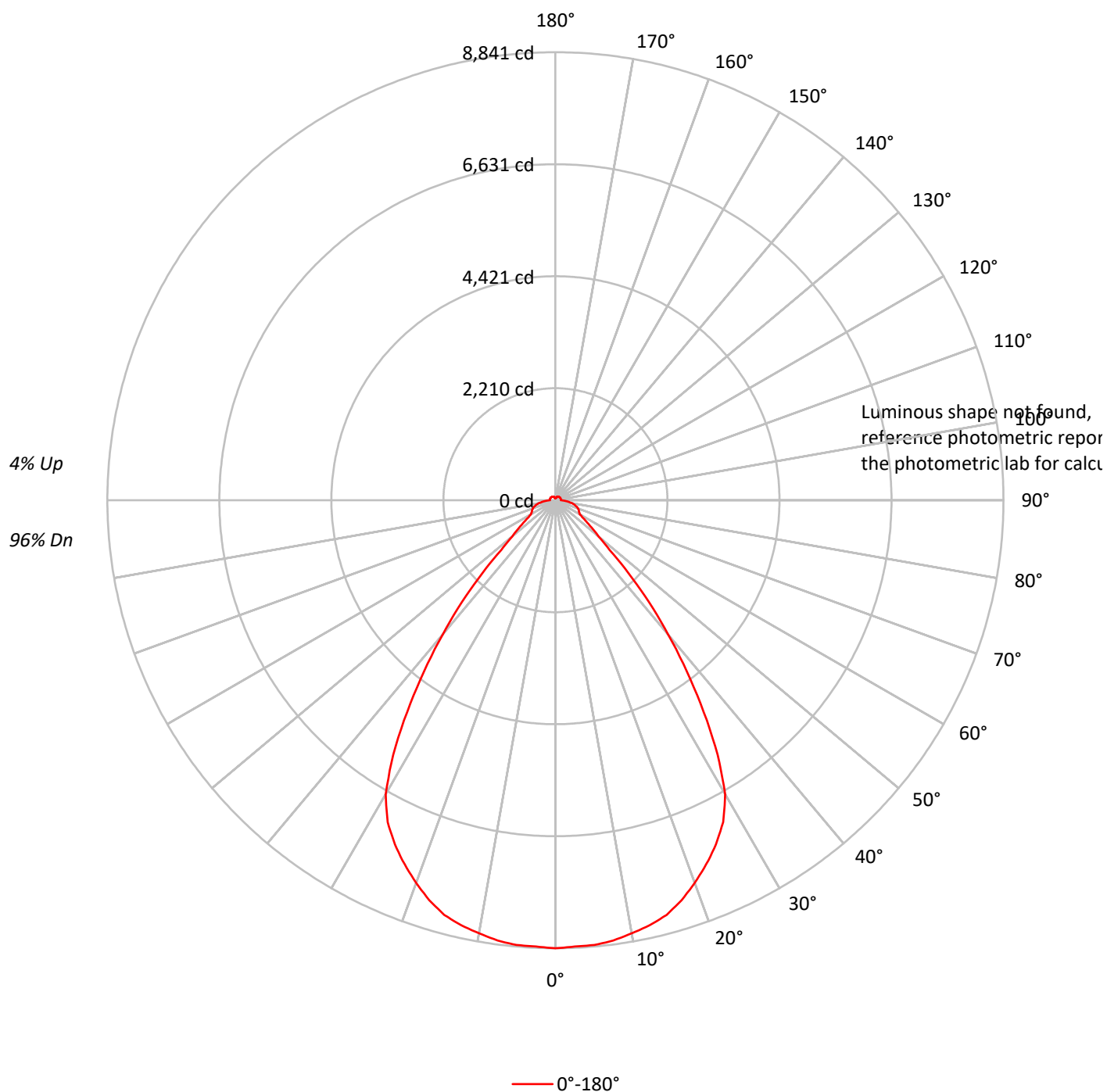
Lumens per Lamp: N/A
Luminaire Lumens: 13920.7 lumens
Efficiency: N/A
Efficacy: 139.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 99.5
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





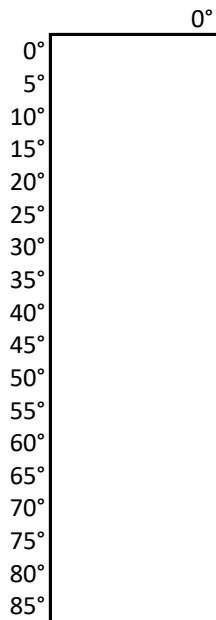
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	109	109	109	103	103	103	98	98	98	98	98	98	98	98			
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	88	87	87	87	87	87	85			
2	103	96	91	86	100	94	89	85	90	86	83	86	83	80	83	80	78	78	78	78	78	76			
3	96	88	81	76	93	86	80	75	82	77	73	79	75	72	76	73	70	70	70	70	70	68			
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	63	63	63	63	61			
5	84	74	66	61	82	72	66	60	70	64	59	68	63	59	65	61	58	58	58	58	58	56			
6	79	68	61	55	77	67	60	55	65	59	54	63	57	53	61	56	53	53	53	53	53	51			
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	48	48	48	48	47			
8	70	58	51	46	68	57	51	46	56	50	45	54	49	45	53	48	45	45	45	45	45	43			
9	66	54	47	43	64	54	47	42	52	46	42	51	45	42	50	45	41	41	41	41	41	40			
10	62	51	44	39	61	50	44	39	49	43	39	48	42	39	47	42	38	38	38	38	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°	836.6	6.0
10°-20°	2378.7	17.1
20°-30°	3430.9	24.6
30°-40°	3163.5	22.7
40°-50°	1621.4	11.6
50°-60°	703.8	5.1
60°-70°	509.4	3.7
70°-80°	429.7	3.1
80°-90°	236.2	1.7
90°-100°	117.9	0.8
100°-110°	115.0	0.8
110°-120°	105.1	0.8
120°-130°	90.4	0.6
130°-140°	73.0	0.5
140°-150°	54.4	0.4
150°-160°	34.6	0.2
160°-170°	16.2	0.1
170°-180°	3.9	0.0
0°-30°	6646.2	47.7
0°-40°	9809.7	70.5
0°-60°	12134.9	87.2
0°-90°	13310.2	95.6
90°-120°	338.0	2.4
90°-150°	555.7	4.0
90°-180°	610.0	4.4
0°-180°	13920.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8841	
5°	8810	837
15°	8471	2379
25°	7494	3431
35°	5103	3164
45°	2034	1621
55°	766	704
65°	511	509
75°	411	430
85°	218	199
90°	109	66
95°	108	88
105°	109	115
115°	106	105
125°	101	90
135°	94	73
145°	86	54
155°	74	35
165°	55	16
175°	39	4
180°	37	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8840.8
2.5°	8814.5
5°	8809.7
7.5°	8763.1
10°	8675.6
12.5°	8592.1
15°	8470.7
17.5°	8276.4
20°	8035.5
22.5°	7776.1
25°	7494.4
27.5°	7164.1
30°	6696.9
32.5°	5958.6
35°	5102.8
37.5°	4259.6
40°	3462.1
42.5°	2733.5
45°	2034.1
47.5°	1452.3
50°	1113.2
52.5°	922.8
55°	765.5
57.5°	635.3
60°	558.6
62.5°	530.4
65°	511.0
67.5°	496.4
70°	475.0
72.5°	446.8
75°	410.9
77.5°	370.1
80°	323.5
82.5°	273.0
85°	217.6
87.5°	160.3
90°	108.8
92.5°	106.9
95°	107.8
97.5°	108.8
100°	108.8
102.5°	108.8
105°	108.8
107.5°	108.8
110°	107.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	106.9
115°	105.9
117.5°	104.9
120°	103.9
122.5°	102.0
125°	101.0
127.5°	99.1
130°	97.1
132.5°	96.2
135°	94.2
137.5°	92.3
140°	90.3
142.5°	88.4
145°	86.5
147.5°	84.5
150°	82.6
152.5°	78.7
155°	73.8
157.5°	69.9
160°	66.1
162.5°	61.2
165°	55.4
167.5°	51.5
170°	46.6
172.5°	41.8
175°	38.9
177.5°	36.9
180°	36.9

(END OF REPORT)