

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: P1504343

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (6500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504343
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-25)
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-04-TRWH-PS (6500K_L16_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

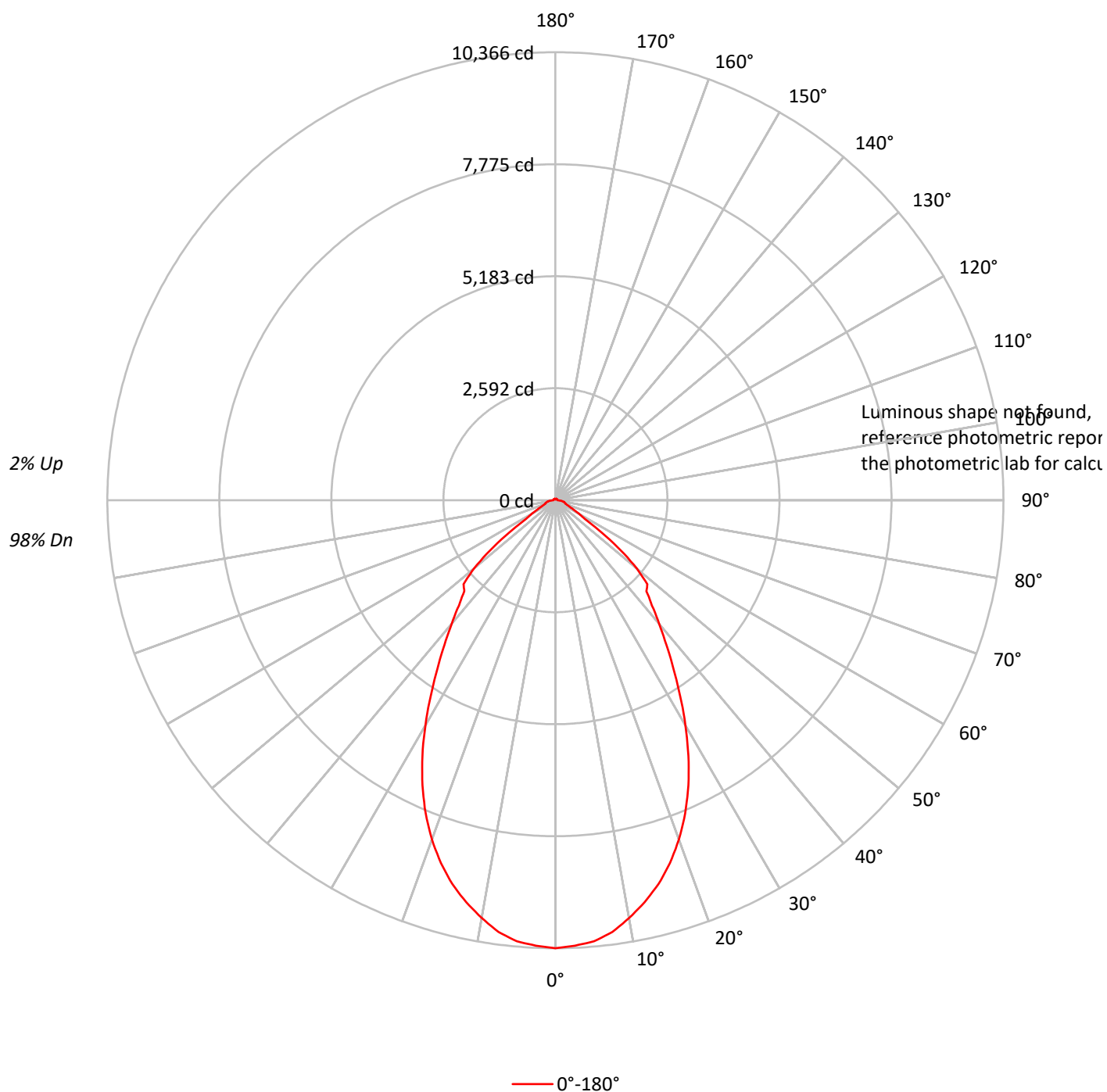
Lumens per Lamp: N/A
Luminaire Lumens: 14465.4 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 102.5
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	0		
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	108	104	102	108	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	93	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	89	83	78	95	87	81	77	84	79	75	81	77	74	79	75	72	71		
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	73	69	65	63		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	63	59	57		
6	79	68	61	56	78	67	61	56	66	60	55	64	59	54	62	58	54	52		
7	74	63	56	51	73	62	55	51	61	55	50	59	54	50	58	53	49	48		
8	70	59	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	40	61	50	44	39	49	43	39	48	43	39	47	42	39	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°	964.2	6.7
10°-20°	2574.1	17.8
20°-30°	3320.6	23.0
30°-40°	2990.0	20.7
40°-50°	2362.5	16.3
50°-60°	1231.8	8.5
60°-70°	397.3	2.7
70°-80°	236.5	1.6
80°-90°	130.0	0.9
90°-100°	48.3	0.3
100°-110°	47.4	0.3
110°-120°	43.8	0.3
120°-130°	37.9	0.3
130°-140°	31.0	0.2
140°-150°	24.4	0.2
150°-160°	16.1	0.1
160°-170°	7.6	0.1
170°-180°	1.9	0.0
0°-30°	6858.9	47.4
0°-40°	9848.9	68.1
0°-60°	13443.2	92.9
0°-90°	14207.0	98.2
90°-120°	139.5	1.0
90°-150°	232.8	1.6
90°-180°	258.0	1.8
0°-180°	14465.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10366	
5°	10243	964
15°	9201	2574
25°	7278	3321
35°	4758	2990
45°	2980	2363
55°	1306	1232
65°	375	397
75°	225	236
85°	122	113
90°	44	29
95°	44	36
105°	46	47
115°	44	44
125°	42	38
135°	40	31
145°	38	24
155°	34	16
165°	26	8
175°	19	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10365.9
2.5°	10316.2
5°	10243.4
7.5°	10077.3
10°	9815.1
12.5°	9526.6
15°	9200.6
17.5°	8807.8
20°	8352.2
22.5°	7846.0
25°	7278.1
27.5°	6663.5
30°	6014.6
32.5°	5371.7
35°	4758.2
37.5°	4213.6
40°	3733.7
42.5°	3305.5
45°	2979.5
47.5°	2882.3
50°	2457.1
52.5°	1917.5
55°	1306.0
57.5°	800.8
60°	630.7
62.5°	489.0
65°	374.6
67.5°	301.7
70°	260.2
72.5°	236.9
75°	224.8
77.5°	209.6
80°	187.3
82.5°	157.9
85°	121.5
87.5°	82.0
90°	44.5
92.5°	43.5
95°	44.5
97.5°	44.5
100°	44.5
102.5°	44.5
105°	45.6
107.5°	44.5
110°	44.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	44.5
115°	44.5
117.5°	43.5
120°	43.5
122.5°	42.5
125°	42.5
127.5°	41.5
130°	41.5
132.5°	40.5
135°	39.5
137.5°	39.5
140°	39.5
142.5°	39.5
145°	38.5
147.5°	38.5
150°	38.5
152.5°	37.5
155°	34.4
157.5°	31.4
160°	30.4
162.5°	28.3
165°	26.3
167.5°	24.3
170°	22.3
172.5°	20.2
175°	19.2
177.5°	18.2
180°	18.2

(END OF REPORT)