

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: P1504306

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504306
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-26)
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 (3000K_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

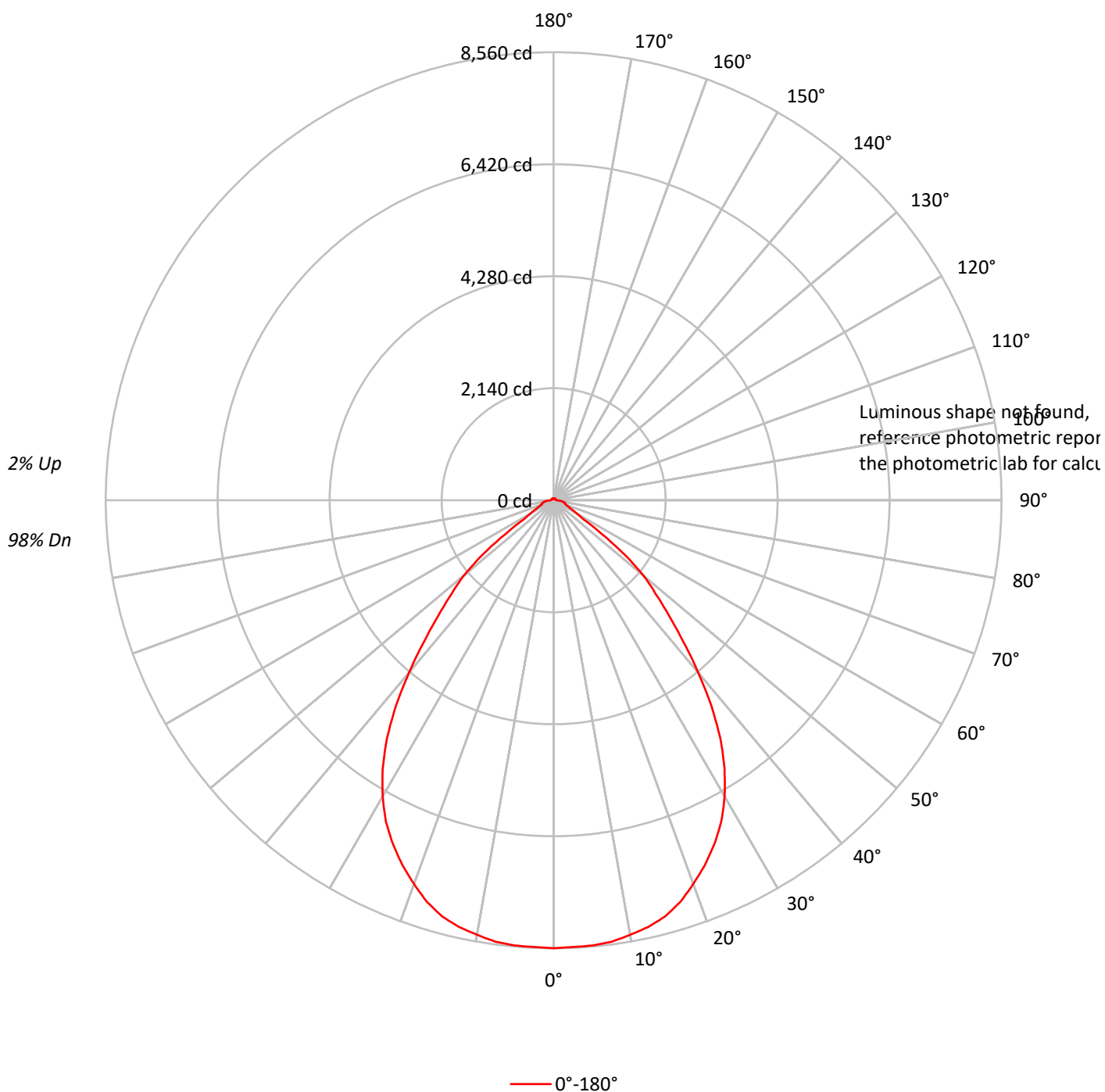
Lumens per Lamp: N/A
Luminaire Lumens: 14367.5 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 102.3
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



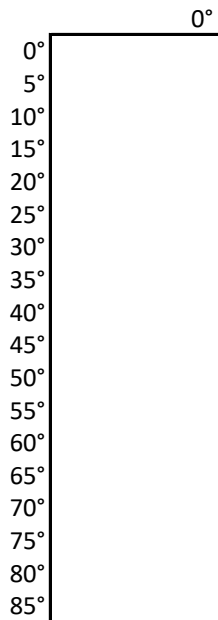
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	98	96	97	95	93	93	91	90	88		
2	104	98	92	88	101	96	91	87	92	88	85	89	85	83	85	83	81	79		
3	97	89	82	77	94	87	81	76	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	72	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	63	59	67	62	59	57		
6	79	68	60	55	77	67	60	55	65	59	54	63	58	54	62	57	53	51		
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	57	52	48	47		
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39		
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	811.8	5.7
10°-20°	2311.8	16.1
20°-30°	3328.4	23.2
30°-40°	3426.1	23.8
40°-50°	2435.4	17.0
50°-60°	1080.7	7.5
60°-70°	350.1	2.4
70°-80°	234.1	1.6
80°-90°	133.0	0.9
90°-100°	48.0	0.3
100°-110°	47.1	0.3
110°-120°	43.4	0.3
120°-130°	37.5	0.3
130°-140°	30.9	0.2
140°-150°	24.2	0.2
150°-160°	15.8	0.1
160°-170°	7.3	0.1
170°-180°	1.8	0.0
0°-30°	6452.0	44.9
0°-40°	9878.1	68.8
0°-60°	13394.1	93.2
0°-90°	14111.4	98.2
90°-120°	138.5	1.0
90°-150°	231.2	1.6
90°-180°	256.0	1.8
0°-180°	14367.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8560	
5°	8540	812
15°	8232	2312
25°	7259	3328
35°	5552	3426
45°	3111	2435
55°	1131	1081
65°	337	350
75°	223	234
85°	126	115
90°	44	30
95°	44	36
105°	44	47
115°	44	43
125°	42	38
135°	40	31
145°	39	24
155°	34	16
165°	25	7
175°	18	2
180°	17	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8560.0
2.5°	8542.6
5°	8539.7
7.5°	8506.8
10°	8432.4
12.5°	8350.3
15°	8232.4
17.5°	8046.9
20°	7803.3
22.5°	7546.3
25°	7259.3
27.5°	6934.6
30°	6535.5
32.5°	6077.4
35°	5551.7
37.5°	4947.7
40°	4291.6
42.5°	3671.2
45°	3110.7
47.5°	2638.2
50°	2249.7
52.5°	1713.4
55°	1130.6
57.5°	663.9
60°	515.1
62.5°	415.5
65°	337.3
67.5°	281.2
70°	252.2
72.5°	233.9
75°	223.2
77.5°	208.7
80°	188.4
82.5°	159.4
85°	125.6
87.5°	87.0
90°	44.5
92.5°	43.5
95°	43.5
97.5°	44.5
100°	44.5
102.5°	44.5
105°	44.5
107.5°	44.5
110°	44.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	44.5
115°	43.5
117.5°	43.5
120°	42.5
122.5°	42.5
125°	41.6
127.5°	41.6
130°	40.6
132.5°	40.6
135°	39.6
137.5°	39.6
140°	38.7
142.5°	38.7
145°	38.7
147.5°	38.7
150°	37.7
152.5°	36.7
155°	33.8
157.5°	30.9
160°	30.0
162.5°	27.1
165°	25.1
167.5°	23.2
170°	21.3
172.5°	19.3
175°	18.4
177.5°	17.4
180°	17.4

(END OF REPORT)