

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: P1504334

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (5000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504334
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 (5000K_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: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

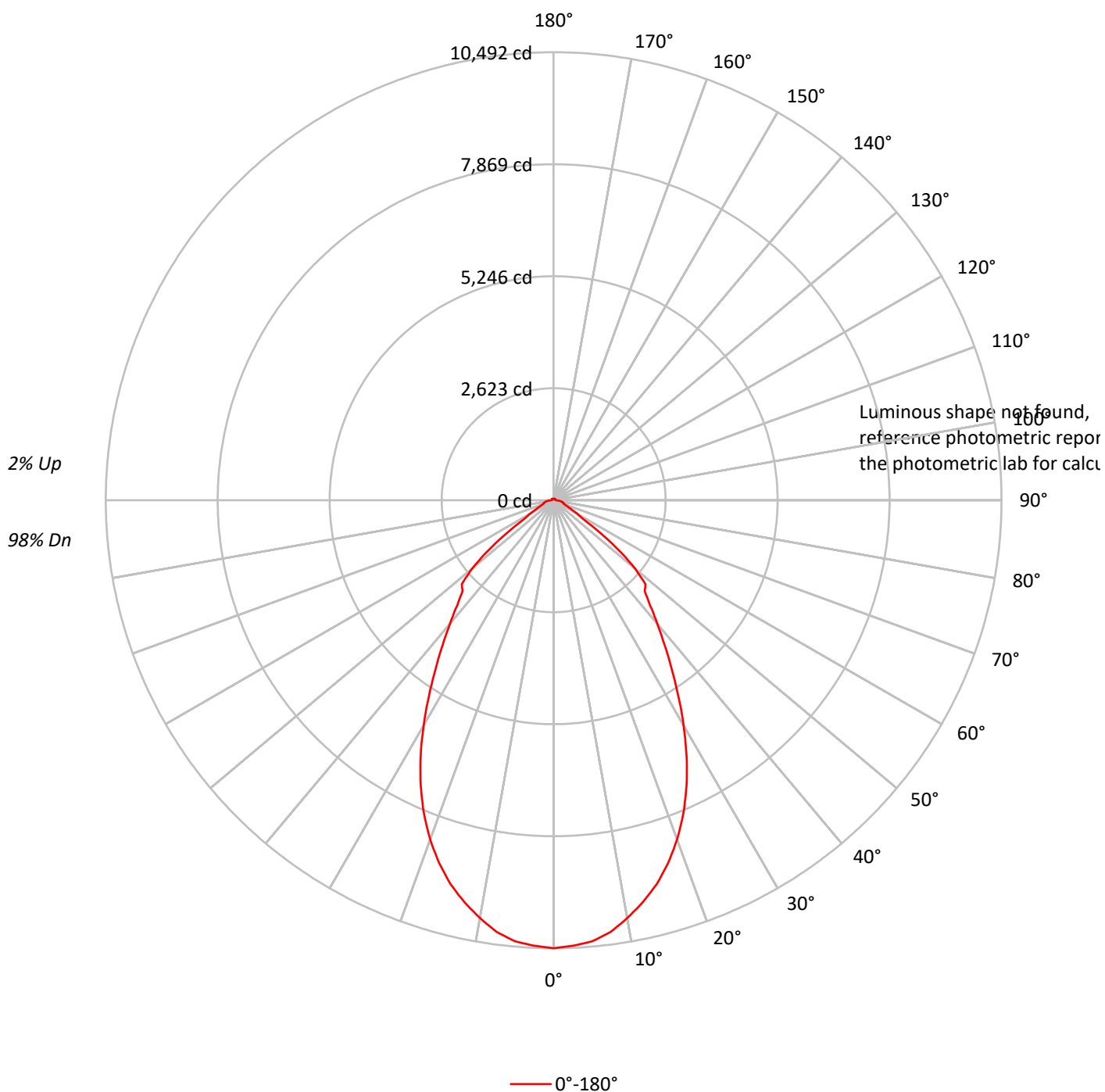
Lumens per Lamp: N/A
Luminaire Lumens: 14642.3 lumens
Efficiency: N/A
Efficacy: 146.3 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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



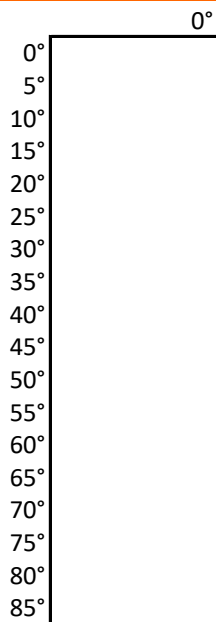
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	975.9	6.7
10°-20°	2605.5	17.8
20°-30°	3361.2	23.0
30°-40°	3026.6	20.7
40°-50°	2391.3	16.3
50°-60°	1246.8	8.5
60°-70°	402.2	2.7
70°-80°	239.3	1.6
80°-90°	131.6	0.9
90°-100°	48.9	0.3
100°-110°	48.0	0.3
110°-120°	44.4	0.3
120°-130°	38.4	0.3
130°-140°	31.4	0.2
140°-150°	24.7	0.2
150°-160°	16.3	0.1
160°-170°	7.7	0.1
170°-180°	1.9	0.0
0°-30°	6942.7	47.4
0°-40°	9969.3	68.1
0°-60°	13607.4	92.9
0°-90°	14380.6	98.2
90°-120°	141.3	1.0
90°-150°	235.8	1.6
90°-180°	262.0	1.8
0°-180°	14642.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10492	
5°	10368	976
15°	9313	2606
25°	7367	3361
35°	4816	3027
45°	3016	2391
55°	1322	1247
65°	379	402
75°	228	239
85°	123	114
90°	45	30
95°	45	37
105°	46	48
115°	45	44
125°	43	38
135°	40	31
145°	39	25
155°	35	16
165°	27	8
175°	20	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10492.5
2.5°	10442.3
5°	10368.5
7.5°	10200.5
10°	9935.1
12.5°	9643.0
15°	9313.0
17.5°	8915.4
20°	8454.3
22.5°	7941.9
25°	7367.0
27.5°	6745.0
30°	6088.1
32.5°	5437.4
35°	4816.4
37.5°	4265.1
40°	3779.3
42.5°	3345.8
45°	3015.9
47.5°	2917.5
50°	2487.1
52.5°	1940.9
55°	1321.9
57.5°	810.6
60°	638.4
62.5°	495.0
65°	379.2
67.5°	305.4
70°	263.4
72.5°	239.8
75°	227.5
77.5°	212.1
80°	189.6
82.5°	159.9
85°	123.0
87.5°	83.0
90°	45.1
92.5°	44.1
95°	45.1
97.5°	45.1
100°	45.1
102.5°	45.1
105°	46.1
107.5°	45.1
110°	45.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	45.1
115°	45.1
117.5°	44.1
120°	44.1
122.5°	43.0
125°	43.0
127.5°	42.0
130°	42.0
132.5°	41.0
135°	40.0
137.5°	40.0
140°	40.0
142.5°	40.0
145°	38.9
147.5°	38.9
150°	38.9
152.5°	37.9
155°	34.8
157.5°	31.8
160°	30.7
162.5°	28.7
165°	26.6
167.5°	24.6
170°	22.5
172.5°	20.5
175°	19.5
177.5°	18.4
180°	18.4

(END OF REPORT)