

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: P1504307

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504307
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

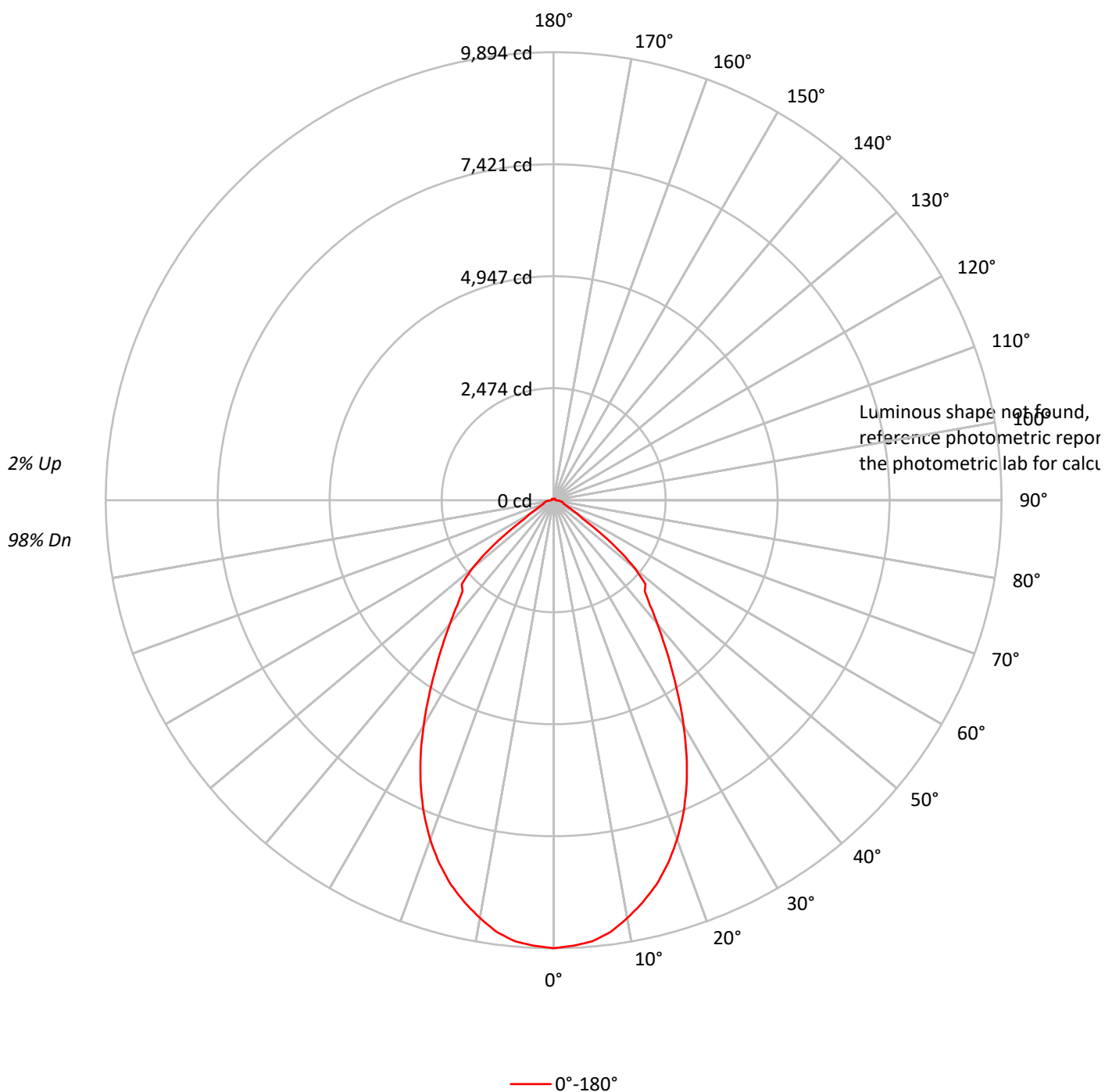
Lumens per Lamp: N/A
Luminaire Lumens: 13807.8 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 102.3
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	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°	920.3	6.7
10°-20°	2457.0	17.8
20°-30°	3169.6	23.0
30°-40°	2854.1	20.7
40°-50°	2255.1	16.3
50°-60°	1175.8	8.5
60°-70°	379.3	2.7
70°-80°	225.7	1.6
80°-90°	124.1	0.9
90°-100°	46.1	0.3
100°-110°	45.2	0.3
110°-120°	41.9	0.3
120°-130°	36.2	0.3
130°-140°	29.6	0.2
140°-150°	23.3	0.2
150°-160°	15.3	0.1
160°-170°	7.2	0.1
170°-180°	1.8	0.0
0°-30°	6547.0	47.4
0°-40°	9401.1	68.1
0°-60°	12831.9	92.9
0°-90°	13561.0	98.2
90°-120°	133.2	1.0
90°-150°	222.3	1.6
90°-180°	247.0	1.8
0°-180°	13807.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9894	
5°	9778	920
15°	8782	2457
25°	6947	3170
35°	4542	2854
45°	2844	2255
55°	1247	1176
65°	358	379
75°	214	226
85°	116	108
90°	42	28
95°	42	35
105°	44	45
115°	42	42
125°	41	36
135°	38	30
145°	37	23
155°	33	15
165°	25	7
175°	18	2
180°	17	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9894.5
2.5°	9847.2
5°	9777.6
7.5°	9619.1
10°	9368.8
12.5°	9093.4
15°	8782.3
17.5°	8407.3
20°	7972.4
22.5°	7489.3
25°	6947.1
27.5°	6360.6
30°	5741.1
32.5°	5127.5
35°	4541.9
37.5°	4022.0
40°	3563.9
42.5°	3155.2
45°	2844.0
47.5°	2751.2
50°	2345.3
52.5°	1830.3
55°	1246.6
57.5°	764.4
60°	602.0
62.5°	466.8
65°	357.6
67.5°	288.0
70°	248.4
72.5°	226.1
75°	214.5
77.5°	200.0
80°	178.8
82.5°	150.8
85°	116.0
87.5°	78.3
90°	42.5
92.5°	41.6
95°	42.5
97.5°	42.5
100°	42.5
102.5°	42.5
105°	43.5
107.5°	42.5
110°	42.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	42.5
115°	42.5
117.5°	41.6
120°	41.6
122.5°	40.6
125°	40.6
127.5°	39.6
130°	39.6
132.5°	38.7
135°	37.7
137.5°	37.7
140°	37.7
142.5°	37.7
145°	36.7
147.5°	36.7
150°	36.7
152.5°	35.8
155°	32.9
157.5°	30.0
160°	29.0
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)