

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: P1504281

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (4000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504281
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-21)
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-CLER-PS (4000K_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

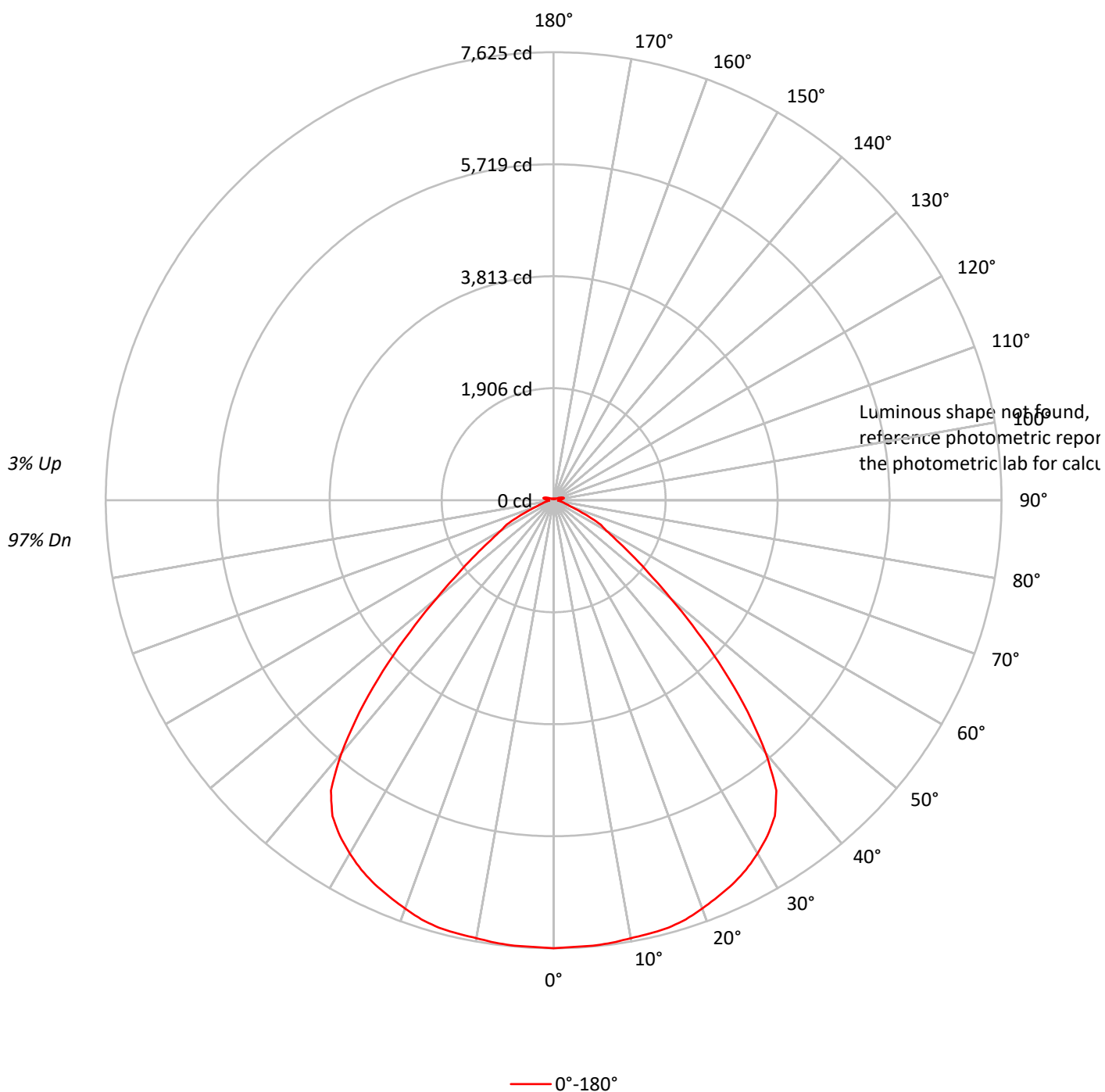
Lumens per Lamp: N/A
Luminaire Lumens: 16344.8 lumens
Efficiency: N/A
Efficacy: 164.3 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

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



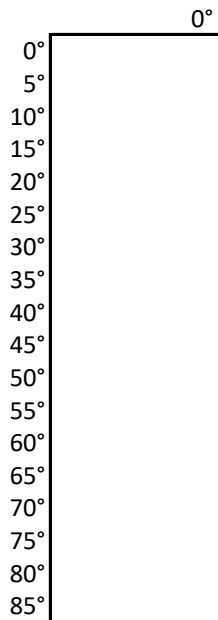
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	104	101	99	100	97	95	95	93	92	91	90	89	86		
2	103	96	91	86	100	94	89	85	90	86	83	87	83	80	83	81	78	76		
3	95	87	80	75	93	85	79	74	82	77	72	79	74	71	76	72	69	67		
4	88	78	71	66	86	77	70	65	74	68	64	72	67	63	69	65	62	60		
5	82	71	64	58	80	70	63	58	68	61	57	66	60	56	64	59	55	53		
6	77	65	57	52	75	64	57	51	62	55	51	60	54	50	58	53	49	48		
7	71	59	52	46	70	59	51	46	57	50	46	55	49	45	54	49	45	43		
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	50	44	40	39		
9	63	50	43	38	61	50	43	38	48	42	38	47	41	37	46	41	37	35		
10	59	47	40	35	57	46	39	35	45	39	34	44	38	34	43	38	34	32		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	725.1	4.4
10°-20°	2127.4	13.0
20°-30°	3323.8	20.3
30°-40°	4044.5	24.7
40°-50°	3148.4	19.3
50°-60°	1499.3	9.2
60°-70°	658.2	4.0
70°-80°	211.9	1.3
80°-90°	98.2	0.6
90°-100°	136.1	0.8
100°-110°	171.1	1.0
110°-120°	91.6	0.6
120°-130°	37.5	0.2
130°-140°	25.3	0.2
140°-150°	21.6	0.1
150°-160°	15.5	0.1
160°-170°	7.6	0.0
170°-180°	1.8	0.0
0°-30°	6176.3	37.8
0°-40°	10220.8	62.5
0°-60°	14868.5	91.0
0°-90°	15836.7	96.9
90°-120°	398.8	2.4
90°-150°	483.2	3.0
90°-180°	508.0	3.1
0°-180°	16344.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7625	
5°	7612	725
15°	7535	2127
25°	7210	3324
35°	6563	4045
45°	4106	3148
55°	1614	1499
65°	665	658
75°	194	212
85°	82	77
90°	79	46
95°	124	112
105°	168	171
115°	90	92
125°	40	38
135°	32	25
145°	35	22
155°	34	15
165°	26	8
175°	17	2
180°	16	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7625.2
2.5°	7608.9
5°	7611.9
7.5°	7596.7
10°	7568.2
12.5°	7554.0
15°	7534.6
17.5°	7481.8
20°	7395.3
22.5°	7304.8
25°	7210.2
27.5°	7091.2
30°	6942.7
32.5°	6773.9
35°	6563.3
37.5°	6228.7
40°	5622.5
42.5°	4892.2
45°	4106.0
47.5°	3318.8
50°	2601.7
52.5°	2043.3
55°	1614.1
57.5°	1267.3
60°	1037.4
62.5°	899.1
65°	665.2
67.5°	438.4
70°	303.1
72.5°	233.9
75°	194.3
77.5°	160.7
80°	126.1
82.5°	98.7
85°	82.4
87.5°	76.3
90°	79.3
92.5°	97.6
95°	124.1
97.5°	152.6
100°	170.9
102.5°	176.0
105°	167.8
107.5°	151.5
110°	131.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	109.8
115°	90.5
117.5°	72.2
120°	58.0
122.5°	46.8
125°	39.7
127.5°	34.6
130°	32.5
132.5°	31.5
135°	32.5
137.5°	33.6
140°	33.6
142.5°	34.6
145°	34.6
147.5°	34.6
150°	34.6
152.5°	34.6
155°	33.6
157.5°	32.5
160°	30.5
162.5°	28.5
165°	26.4
167.5°	24.4
170°	21.4
172.5°	19.3
175°	17.3
177.5°	16.3
180°	16.3

(END OF REPORT)