

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: P1504270

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (3500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504270
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-20)
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 (3500K_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

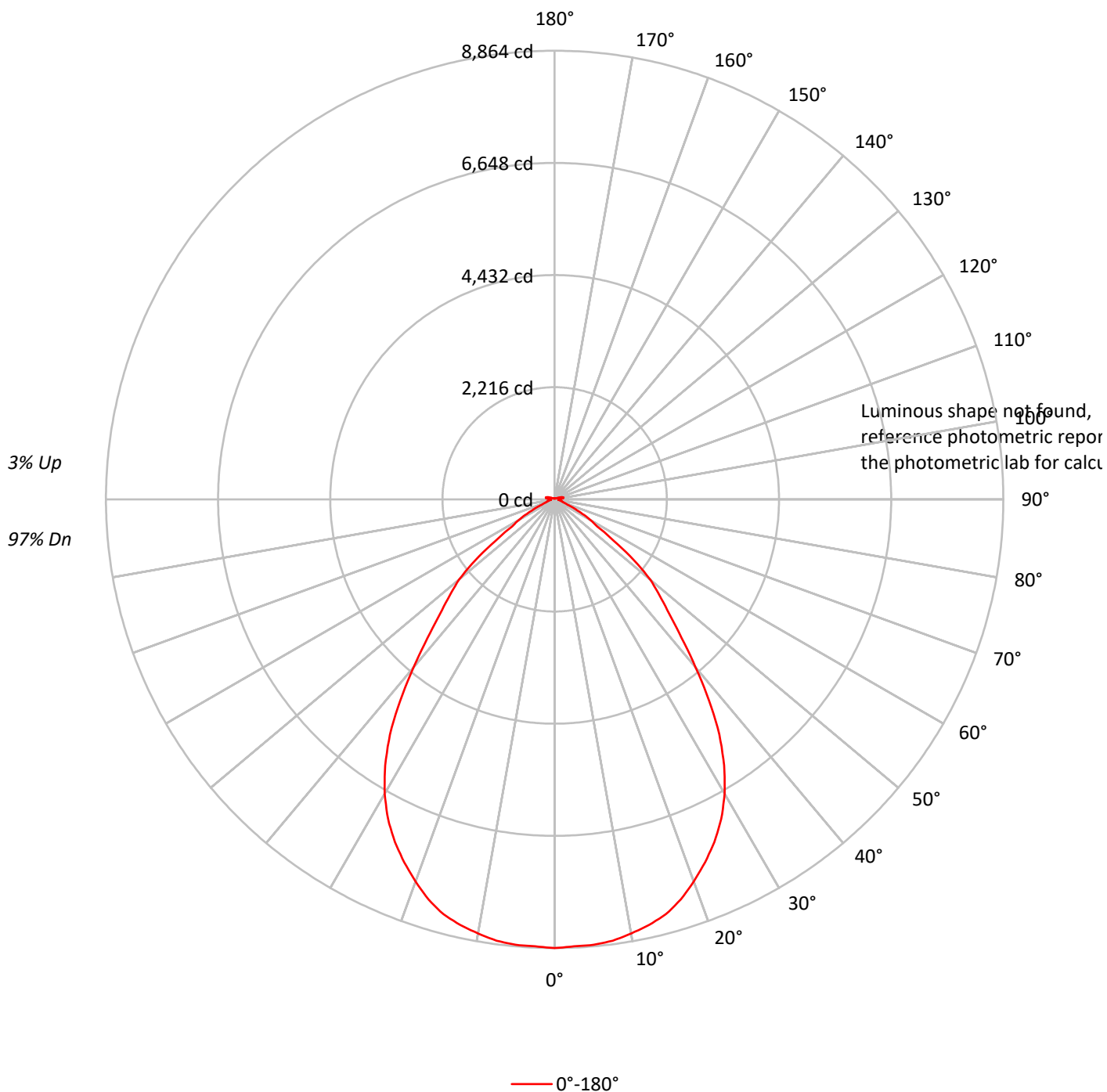
Lumens per Lamp: N/A
Luminaire Lumens: 15176.6 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 100.2
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



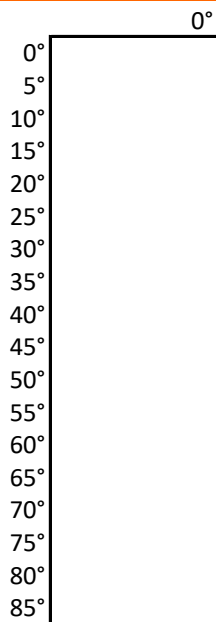
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	104	97	92	88	101	95	91	87	91	87	84	88	85	82	84	82	80	78		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	58	56		
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50		
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	56	51	47	46		
8	69	57	50	45	67	56	49	45	55	49	44	54	48	44	52	47	43	42		
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40	38		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	40	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	839.4	5.5
10°-20°	2382.9	15.7
20°-30°	3422.7	22.6
30°-40°	3494.8	23.0
40°-50°	2520.9	16.6
50°-60°	1339.9	8.8
60°-70°	451.9	3.0
70°-80°	154.0	1.0
80°-90°	88.8	0.6
90°-100°	147.7	1.0
100°-110°	167.3	1.1
110°-120°	80.1	0.5
120°-130°	30.7	0.2
130°-140°	19.7	0.1
140°-150°	16.6	0.1
150°-160°	12.0	0.1
160°-170°	5.7	0.0
170°-180°	1.5	0.0
0°-30°	6645.1	43.8
0°-40°	10139.9	66.8
0°-60°	14000.7	92.3
0°-90°	14695.4	96.8
90°-120°	395.1	2.6
90°-150°	462.1	3.0
90°-180°	481.0	3.2
0°-180°	15176.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8864	
5°	8834	839
15°	8487	2383
25°	7468	3423
35°	5672	3495
45°	3199	2521
55°	1430	1340
65°	427	452
75°	144	154
85°	74	66
90°	87	49
95°	137	121
105°	164	167
115°	78	80
125°	32	31
135°	25	20
145°	26	17
155°	26	12
165°	20	6
175°	15	2
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8864
2.5°	8839
5°	8834
7.5°	8795
10°	8708
12.5°	8614
15°	8487
17.5°	8289
20°	8034
22.5°	7761
25°	7468
27.5°	7127
30°	6715
32.5°	6230
35°	5672
37.5°	5013
40°	4335
42.5°	3714
45°	3199
47.5°	2809
50°	2464
52.5°	1975
55°	1430
57.5°	996
60°	818
62.5°	619
65°	427
67.5°	281
70°	203
72.5°	165
75°	144
77.5°	123
80°	100
82.5°	82
85°	74
87.5°	76
90°	87
92.5°	109
95°	137
97.5°	164
100°	177
102.5°	176
105°	164
107.5°	143
110°	120

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	98
115°	78
117.5°	61
120°	48
122.5°	39
125°	32
127.5°	28
130°	26
132.5°	25
135°	25
137.5°	26
140°	26
142.5°	26
145°	26
147.5°	27
150°	27
152.5°	27
155°	26
157.5°	25
160°	23
162.5°	21
165°	20
167.5°	18
170°	17
172.5°	16
175°	15
177.5°	15
180°	15

(END OF REPORT)