

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: P1504315

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504315
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 (3500K_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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

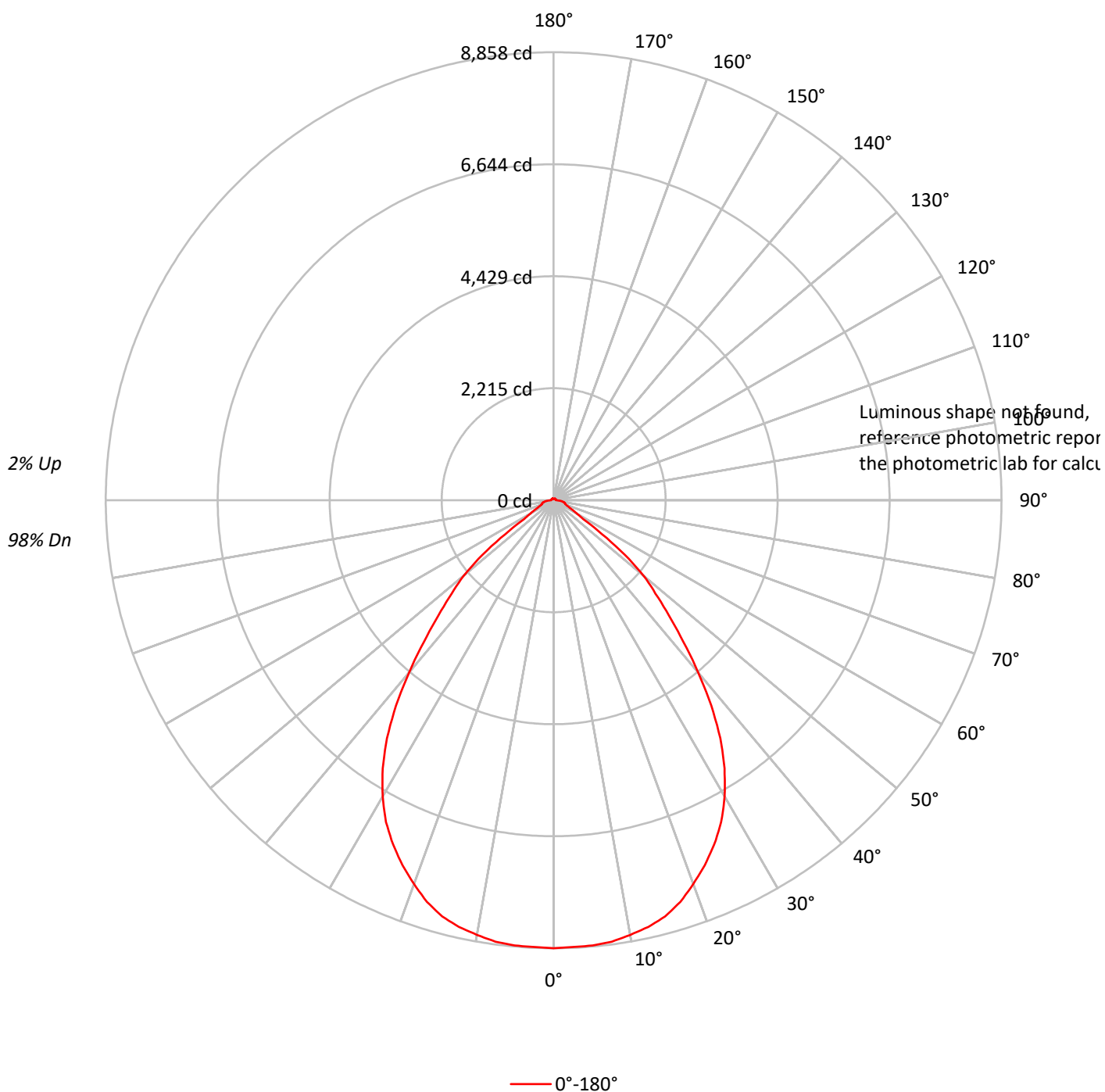
Lumens per Lamp: N/A
Luminaire Lumens: 14867.5 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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





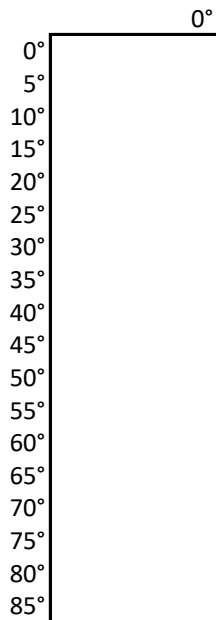
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
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°	840.1	5.7
10°-20°	2392.2	16.1
20°-30°	3444.3	23.2
30°-40°	3545.3	23.8
40°-50°	2520.1	17.0
50°-60°	1118.3	7.5
60°-70°	362.3	2.4
70°-80°	242.3	1.6
80°-90°	137.7	0.9
90°-100°	49.6	0.3
100°-110°	48.7	0.3
110°-120°	44.9	0.3
120°-130°	38.8	0.3
130°-140°	32.0	0.2
140°-150°	25.1	0.2
150°-160°	16.3	0.1
160°-170°	7.5	0.1
170°-180°	1.9	0.0
0°-30°	6676.6	44.9
0°-40°	10222.0	68.8
0°-60°	13860.4	93.2
0°-90°	14602.7	98.2
90°-120°	143.2	1.0
90°-150°	239.1	1.6
90°-180°	265.0	1.8
0°-180°	14867.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8858	
5°	8837	840
15°	8519	2392
25°	7512	3444
35°	5745	3545
45°	3219	2520
55°	1170	1118
65°	349	362
75°	231	242
85°	130	119
90°	46	31
95°	45	37
105°	46	49
115°	45	45
125°	43	39
135°	41	32
145°	40	25
155°	35	16
165°	26	8
175°	19	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8858
2.5°	8840
5°	8837
7.5°	8803
10°	8726
12.5°	8641
15°	8519
17.5°	8327
20°	8075
22.5°	7809
25°	7512
27.5°	7176
30°	6763
32.5°	6289
35°	5745
37.5°	5120
40°	4441
42.5°	3799
45°	3219
47.5°	2730
50°	2328
52.5°	1773
55°	1170
57.5°	687
60°	533
62.5°	430
65°	349
67.5°	291
70°	261
72.5°	242
75°	231
77.5°	216
80°	195
82.5°	165
85°	130
87.5°	90
90°	46
92.5°	45
95°	45
97.5°	46
100°	46
102.5°	46
105°	46
107.5°	46
110°	46

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	46
115°	45
117.5°	45
120°	44
122.5°	44
125°	43
127.5°	43
130°	42
132.5°	42
135°	41
137.5°	41
140°	40
142.5°	40
145°	40
147.5°	40
150°	39
152.5°	38
155°	35
157.5°	32
160°	31
162.5°	28
165°	26
167.5°	24
170°	22
172.5°	20
175°	19
177.5°	18
180°	18

(END OF REPORT)