

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: P1504316

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504316
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 (3500K_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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

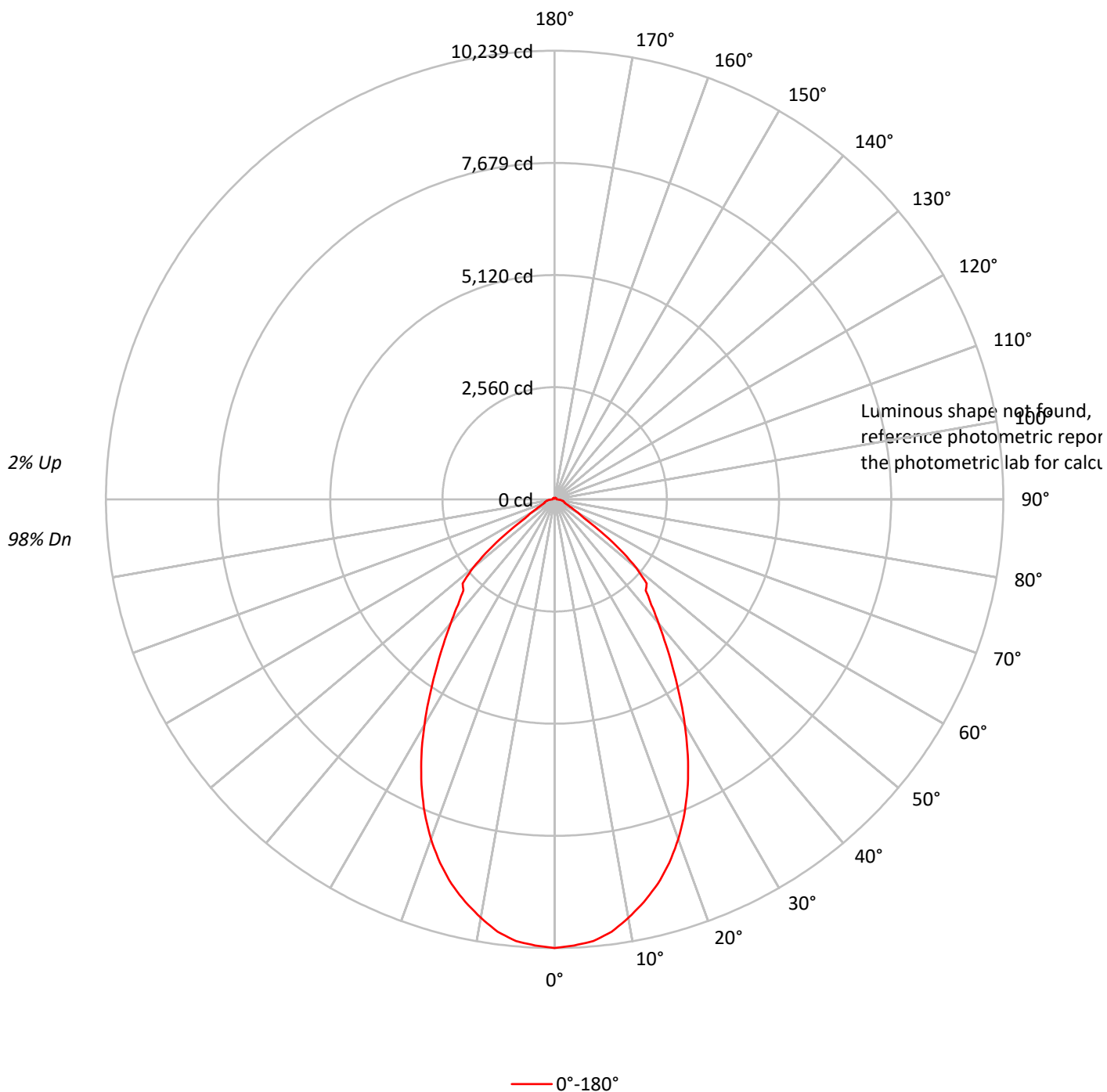
Lumens per Lamp: N/A
Luminaire Lumens: 14288.4 lumens
Efficiency: N/A
Efficacy: 142.6 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 100.2
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





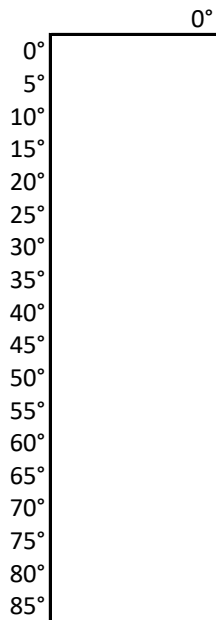
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	952.4	6.7
10°-20°	2542.6	17.8
20°-30°	3280.0	23.0
30°-40°	2953.4	20.7
40°-50°	2333.6	16.3
50°-60°	1216.7	8.5
60°-70°	392.5	2.7
70°-80°	233.5	1.6
80°-90°	128.4	0.9
90°-100°	47.7	0.3
100°-110°	46.8	0.3
110°-120°	43.3	0.3
120°-130°	37.5	0.3
130°-140°	30.6	0.2
140°-150°	24.1	0.2
150°-160°	15.9	0.1
160°-170°	7.5	0.1
170°-180°	1.9	0.0
0°-30°	6774.9	47.4
0°-40°	9728.4	68.1
0°-60°	13278.6	92.9
0°-90°	14033.1	98.2
90°-120°	137.9	1.0
90°-150°	230.1	1.6
90°-180°	255.0	1.8
0°-180°	14288.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10239	
5°	10118	952
15°	9088	2543
25°	7189	3280
35°	4700	2953
45°	2943	2334
55°	1290	1217
65°	370	392
75°	222	234
85°	120	111
90°	44	29
95°	44	36
105°	45	47
115°	44	43
125°	42	37
135°	39	31
145°	38	24
155°	34	16
165°	26	7
175°	19	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10239
2.5°	10190
5°	10118
7.5°	9954
10°	9695
12.5°	9410
15°	9088
17.5°	8700
20°	8250
22.5°	7750
25°	7189
27.5°	6582
30°	5941
32.5°	5306
35°	4700
37.5°	4162
40°	3688
42.5°	3265
45°	2943
47.5°	2847
50°	2427
52.5°	1894
55°	1290
57.5°	791
60°	623
62.5°	483
65°	370
67.5°	298
70°	257
72.5°	234
75°	222
77.5°	207
80°	185
82.5°	156
85°	120
87.5°	81
90°	44
92.5°	43
95°	44
97.5°	44
100°	44
102.5°	44
105°	45
107.5°	44
110°	44

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	44
115°	44
117.5°	43
120°	43
122.5°	42
125°	42
127.5°	41
130°	41
132.5°	40
135°	39
137.5°	39
140°	39
142.5°	39
145°	38
147.5°	38
150°	38
152.5°	37
155°	34
157.5°	31
160°	30
162.5°	28
165°	26
167.5°	24
170°	22
172.5°	20
175°	19
177.5°	18
180°	18

(END OF REPORT)