

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: P1504644

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (4000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504644
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: Pentalux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (4000K_L18_Wide_120V)
Description: Pentalux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

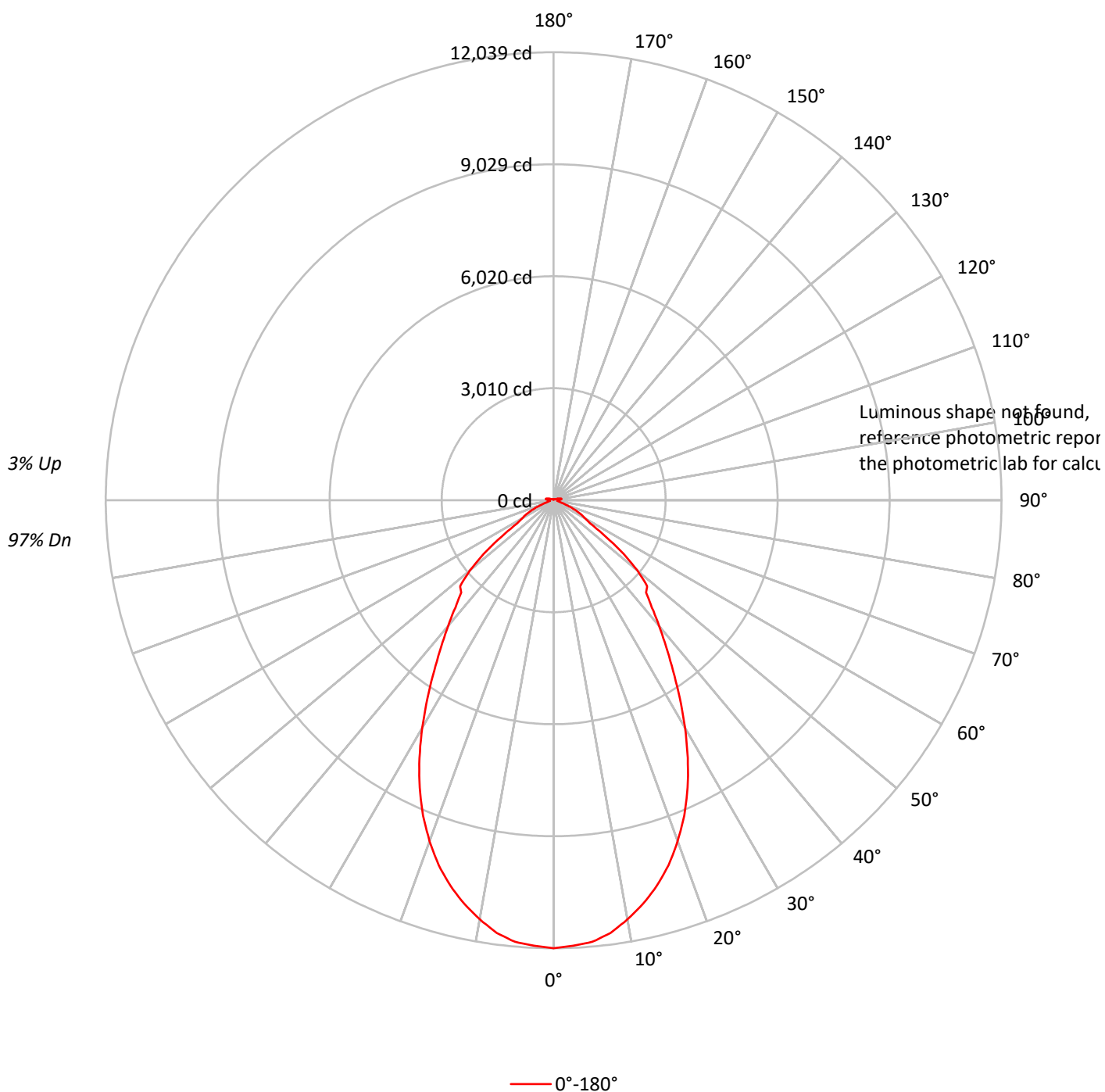
Lumens per Lamp: N/A
Luminaire Lumens: 17444.5 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 119.3
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



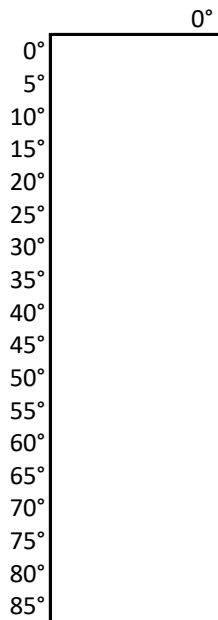
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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	99	99	99	99	97			
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	89	89	89	89	87			
2	103	97	92	88	101	95	90	86	91	87	84	88	85	82	84	82	80	80	80	80	80	77			
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	71	71	71	71	69			
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	64	64	64	64	62			
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	61	58	58	58	58	58	56			
6	79	68	60	55	77	67	60	55	65	58	54	63	57	53	61	56	53	53	53	53	53	51			
7	74	62	55	50	72	61	55	50	60	54	49	58	53	49	57	52	48	48	48	48	48	46			
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	44	44	44	44	42			
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	49	44	41	41	41	41	41	39			
10	62	50	43	39	60	50	43	39	48	42	38	47	42	38	46	41	38	38	38	38	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°	1121.7	6.4
10°-20°	3002.3	17.2
20°-30°	3886.6	22.3
30°-40°	3515.3	20.2
40°-50°	2793.1	16.0
50°-60°	1596.7	9.2
60°-70°	657.5	3.8
70°-80°	193.8	1.1
80°-90°	113.1	0.6
90°-100°	196.4	1.1
100°-110°	190.7	1.1
110°-120°	87.2	0.5
120°-130°	32.2	0.2
130°-140°	20.7	0.1
140°-150°	16.7	0.1
150°-160°	12.0	0.1
160°-170°	6.8	0.0
170°-180°	2.0	0.0
0°-30°	8010.6	45.9
0°-40°	11525.9	66.1
0°-60°	15915.7	91.2
0°-90°	16880.0	96.8
90°-120°	474.2	2.7
90°-150°	543.8	3.1
90°-180°	565.0	3.2
0°-180°	17444.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12039	
5°	11912	###
15°	10725	3002
25°	8522	3887
35°	5593	3515
45°	3508	2793
55°	1710	1597
65°	675	657
75°	163	194
85°	95	82
90°	124	69
95°	186	158
105°	183	191
115°	84	87
125°	33	32
135°	26	21
145°	26	17
155°	26	12
165°	24	7
175°	20	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12039.4
2.5°	11981.2
5°	11912.3
7.5°	11727.1
10°	11436.1
12.5°	11108.3
15°	10724.7
17.5°	10280.5
20°	9748.4
22.5°	9170.0
25°	8521.5
27.5°	7807.8
30°	7059.5
32.5°	6306.5
35°	5592.7
37.5°	4958.5
40°	4408.6
42.5°	3908.6
45°	3508.4
47.5°	3408.6
50°	2933.5
52.5°	2364.7
55°	1710.2
57.5°	1166.3
60°	984.6
62.5°	834.9
65°	674.6
67.5°	498.8
70°	331.4
72.5°	217.3
75°	162.7
77.5°	134.2
80°	111.6
82.5°	97.4
85°	95.0
87.5°	104.5
90°	123.5
92.5°	154.4
95°	186.5
97.5°	210.2
100°	215.0
102.5°	204.3
105°	182.9
107.5°	159.1
110°	131.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	108.1
115°	84.3
117.5°	65.3
120°	51.1
122.5°	40.4
125°	33.3
127.5°	29.7
130°	27.3
132.5°	26.1
135°	26.1
137.5°	27.3
140°	27.3
142.5°	27.3
145°	26.1
147.5°	26.1
150°	26.1
152.5°	26.1
155°	26.1
157.5°	26.1
160°	24.9
162.5°	24.9
165°	23.8
167.5°	22.6
170°	21.4
172.5°	21.4
175°	20.2
177.5°	21.4
180°	21.4

(END OF REPORT)