

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: P1504583

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (3500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504583
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-28)
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-B-04-BLAK-PS (3500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

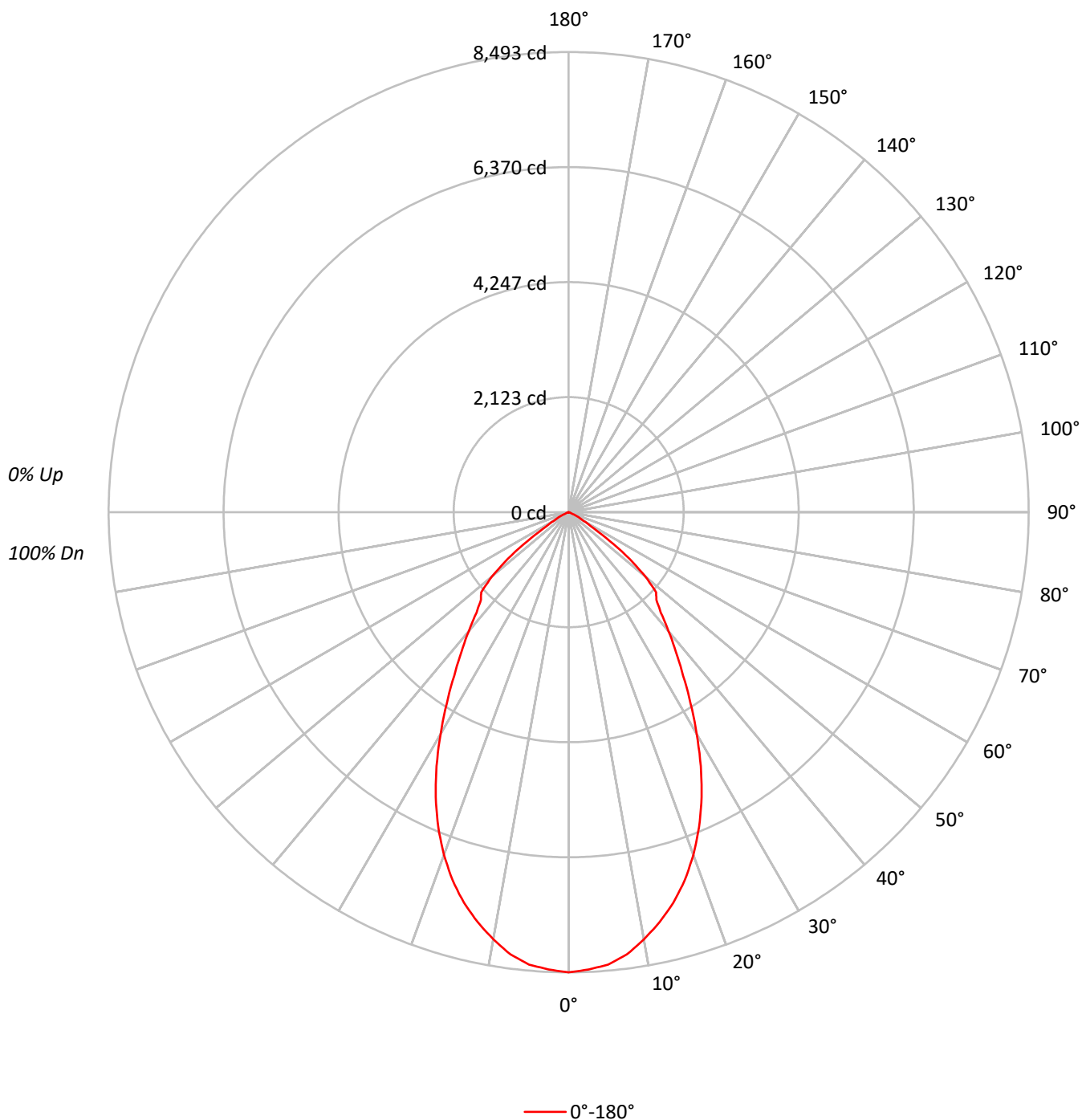
Lumens per Lamp: N/A
Luminaire Lumens: 10658.5 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.97
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 81.7
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

TEST NUMBER: P1504583

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (3500K_L12_Narrow_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504583

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (3500K_L12_Narrow_120V)

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	111	111	111	106	106	106	102	102	102	100		
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61		
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56		
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51		
8	72	61	54	50	71	61	54	49	59	53	49	58	53	49	57	52	49	47		
9	68	57	50	46	67	57	50	46	56	50	45	55	49	45	54	49	45	44		
10	65	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	73510
5°	72812
10°	70342
15°	66877
20°	61986
25°	55439
30°	47261
35°	38945
40°	32414
45°	28003
50°	24877
55°	13965
60°	5671
65°	2390
70°	633
75°	251
80°	289
85°	248

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 28059 cd/sqm

TEST NUMBER: P1504583

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (3500K_L12_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	788.0	7.4
10°-20°	2086.9	19.6
20°-30°	2646.7	24.8
30°-40°	2320.9	21.8
40°-50°	1801.6	16.9
50°-60°	863.5	8.1
60°-70°	137.4	1.3
70°-80°	10.4	0.1
80°-90°	3.1	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5521.6	51.8
0°-40°	7842.5	73.6
0°-60°	10507.6	98.6
0°-90°	10658.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10658.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8493	
5°	8380	788
15°	7463	2087
25°	5805	2647
35°	3686	2321
45°	2288	1802
55°	925	864
65°	117	137
75°	8	10
85°	2	3
90°	0	

TEST NUMBER: P1504583

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (3500K_L12_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	8492.9
2.5°	8447.0
5°	8380.3
7.5°	8233.6
10°	8003.5
12.5°	7750.9
15°	7463.3
17.5°	7125.6
20°	6729.6
22.5°	6292.7
25°	5805.0
27.5°	5280.6
30°	4728.7
32.5°	4187.7
35°	3685.8
37.5°	3251.4
40°	2868.8
42.5°	2516.9
45°	2287.7
47.5°	2190.1
50°	1847.5
52.5°	1421.5
55°	925.4
57.5°	479.4
60°	327.6
62.5°	210.9
65°	116.7
67.5°	57.5
70°	25.0
72.5°	10.0
75°	7.5
77.5°	6.7
80°	5.8
82.5°	4.2
85°	2.5
87.5°	1.7
90°	0.0

(END OF REPORT)