

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: P1504576

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (3000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504576
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-29)
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 (3000K_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

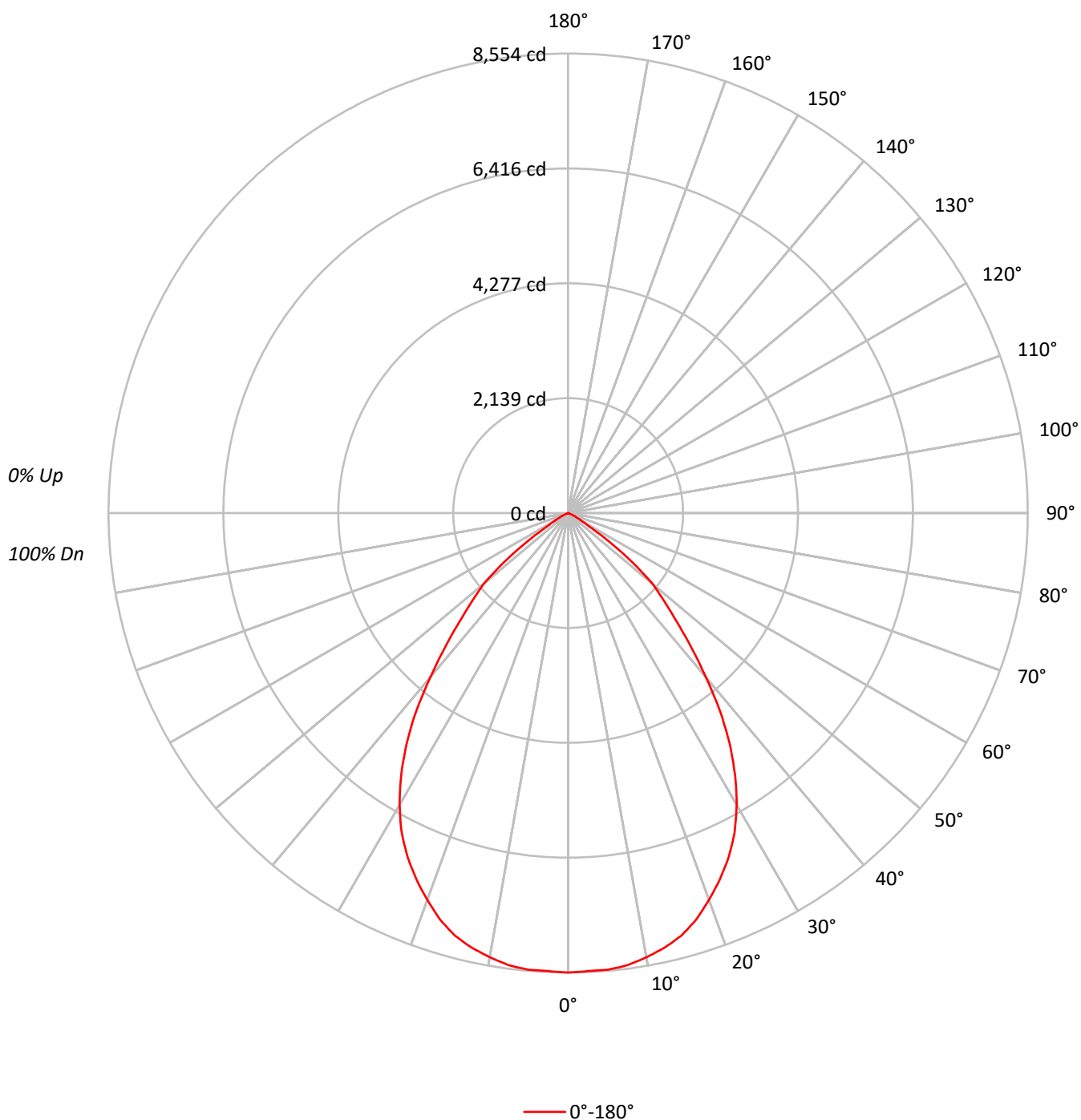
Lumens per Lamp: N/A
Luminaire Lumens: 12840.3 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.12
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 102.3
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	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	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50		
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46		
9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43		
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	74040
5°	74130
10°	73790
15°	72963
20°	70594
25°	67491
30°	62701
35°	55363
40°	45040
45°	34907
50°	27548
55°	14131
60°	4935
65°	2138
70°	635
75°	324
80°	339
85°	387

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 34907 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	810.2	6.3
10°-20°	2285.1	17.8
20°-30°	3236.0	25.2
30°-40°	3237.8	25.2
40°-50°	2239.8	17.4
50°-60°	894.7	7.0
60°-70°	120.5	0.9
70°-80°	12.1	0.1
80°-90°	4.1	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°	6331.3	49.3
0°-40°	9569.2	74.5
0°-60°	12703.6	98.9
0°-90°	12840.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12840.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8554	
5°	8532	810
15°	8142	2285
25°	7067	3236
35°	5240	3238
45°	2852	2240
55°	936	895
65°	104	121
75°	10	12
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8554.2
2.5°	8534.9
5°	8532.0
7.5°	8489.4
10°	8395.7
12.5°	8288.4
15°	8142.5
17.5°	7931.9
20°	7664.2
22.5°	7379.1
25°	7067.0
27.5°	6710.4
30°	6273.6
32.5°	5781.7
35°	5239.6
37.5°	4643.3
40°	3986.2
42.5°	3388.0
45°	2851.7
47.5°	2418.8
50°	2045.8
52.5°	1521.0
55°	936.4
57.5°	439.7
60°	285.1
62.5°	181.7
65°	104.4
67.5°	51.2
70°	25.1
72.5°	11.6
75°	9.7
77.5°	8.7
80°	6.8
82.5°	5.8
85°	3.9
87.5°	1.9
90°	0.0

(END OF REPORT)