

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: P1504757

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504757
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-52)
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-06-BLAK-PS (3000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

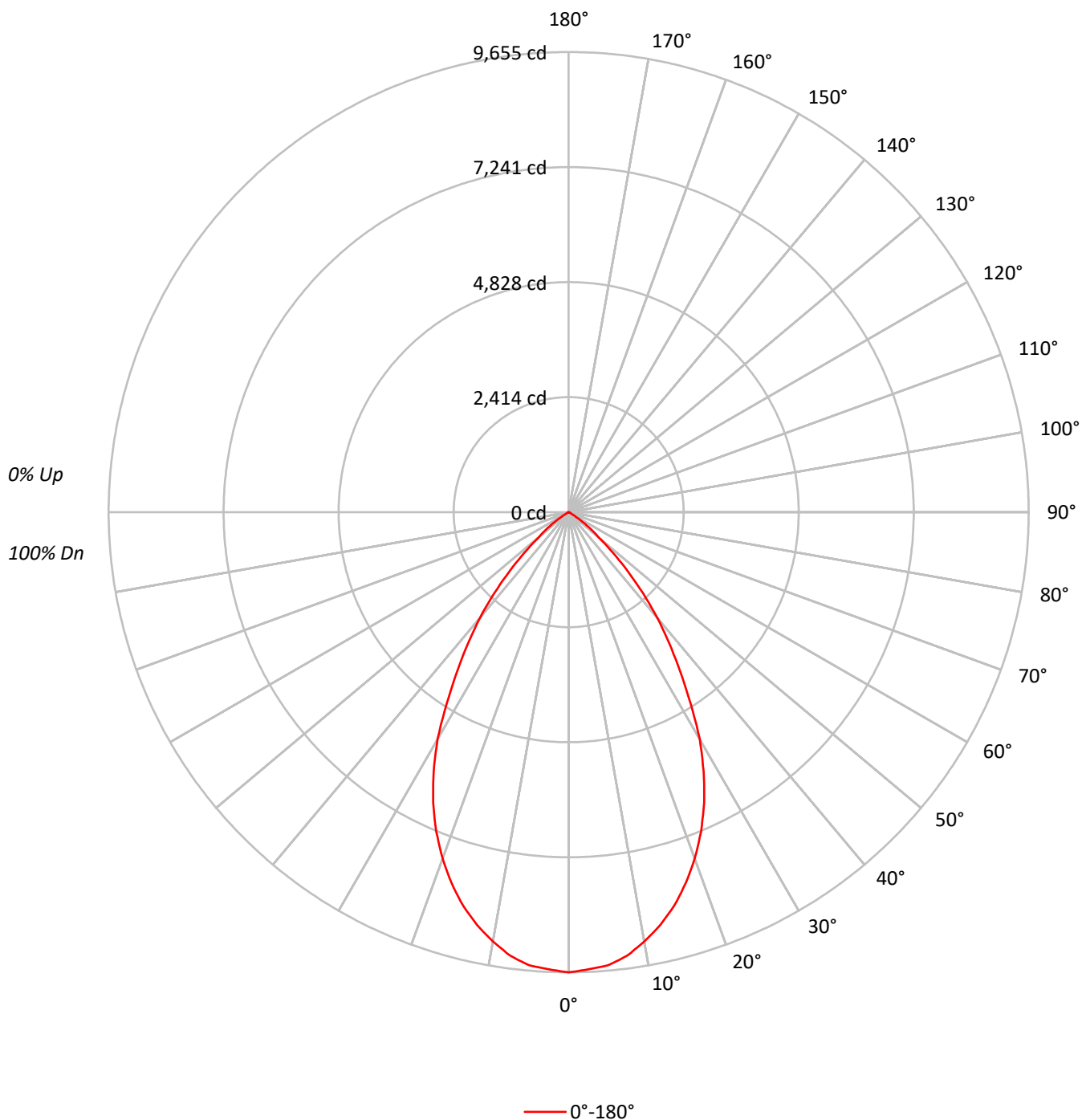
Lumens per Lamp: N/A
Luminaire Lumens: 10676.3 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.96
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

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					0
RW	70	50	30	10	70	50	30	10	50	30	10	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	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93								
2	107	102	97	93	105	100	96	92	97	93	90	93	91	88	91	89	87	85								
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78								
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71								
5	90	80	74	69	88	79	74	69	78	72	68	76	71	68	74	70	67	66								
6	84	75	68	64	83	74	68	63	72	67	63	71	66	62	70	65	62	60								
7	80	70	63	59	78	69	63	58	68	62	58	66	61	58	65	61	57	56								
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52								
9	71	61	55	50	70	60	54	50	59	54	50	59	53	50	58	53	50	48								
10	68	57	51	47	67	57	51	47	56	50	47	55	50	46	54	50	46	45								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	78296
5°	77683
10°	75310
15°	71785
20°	66734
25°	60173
30°	51498
35°	40295
40°	30690
45°	20038
50°	10376
55°	5192
60°	1207
65°	426
70°	413
75°	423
80°	406
85°	447

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20038 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	898.1	8.4
10°-20°	2391.0	22.4
20°-30°	3062.7	28.7
30°-40°	2558.2	24.0
40°-50°	1367.3	12.8
50°-60°	349.6	3.3
60°-70°	30.5	0.3
70°-80°	13.9	0.1
80°-90°	5.1	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°	6351.7	59.5
0°-40°	8909.9	83.5
0°-60°	10626.8	99.5
0°-90°	10676.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10676.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9655	
5°	9543	898
15°	8550	2391
25°	6725	3063
35°	4070	2558
45°	1747	1367
55°	367	350
65°	22	30
75°	14	14
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	9654.9
2.5°	9601.7
5°	9542.8
7.5°	9387.2
10°	9145.6
12.5°	8874.1
15°	8550.3
17.5°	8163.8
20°	7732.8
22.5°	7256.4
25°	6724.9
27.5°	6131.5
30°	5499.5
32.5°	4757.4
35°	4070.3
37.5°	3464.4
40°	2899.1
42.5°	2306.7
45°	1747.2
47.5°	1261.1
50°	822.4
52.5°	595.3
55°	367.2
57.5°	177.8
60°	74.4
62.5°	36.7
65°	22.2
67.5°	19.3
70°	17.4
72.5°	15.5
75°	13.5
77.5°	10.6
80°	8.7
82.5°	6.8
85°	4.8
87.5°	2.9
90°	0.0

(END OF REPORT)