

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: P1504793

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (6500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504793
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 (6500K_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

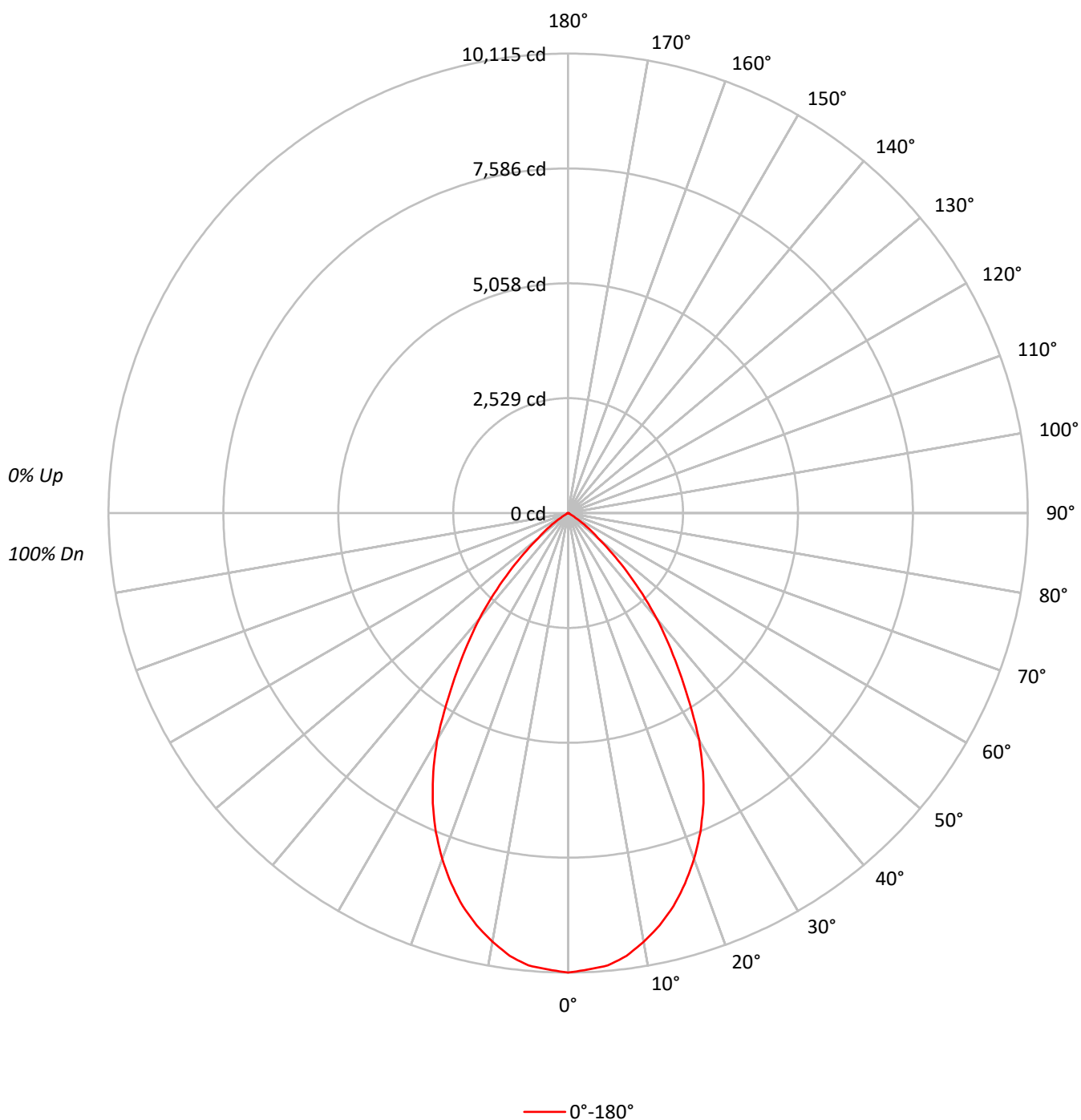
Lumens per Lamp: N/A
Luminaire Lumens: 11184.9 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.96
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 102.5
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: P1504793

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (6500K_L16_Narrow_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504793

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (6500K_L16_Narrow_120V)

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°	82026
5°	81383
10°	78897
15°	75204
20°	69912
25°	63039
30°	53951
35°	42215
40°	32152
45°	20992
50°	10869
55°	5439
60°	1265
65°	447
70°	432
75°	445
80°	425
85°	475

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20992 cd/sqm

TEST NUMBER: P1504793

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (6500K_L16_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	940.9	8.4
10°-20°	2504.9	22.4
20°-30°	3208.5	28.7
30°-40°	2680.0	24.0
40°-50°	1432.4	12.8
50°-60°	366.3	3.3
60°-70°	32.0	0.3
70°-80°	14.5	0.1
80°-90°	5.4	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°	6654.3	59.5
0°-40°	9334.3	83.5
0°-60°	11133.0	99.5
0°-90°	11184.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11184.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10115	
5°	9997	941
15°	8958	2505
25°	7045	3209
35°	4264	2680
45°	1830	1432
55°	385	366
65°	23	32
75°	14	15
85°	5	5
90°	0	

TEST NUMBER: P1504793

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (6500K_L16_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	10114.8
2.5°	10059.1
5°	9997.3
7.5°	9834.3
10°	9581.2
12.5°	9296.8
15°	8957.6
17.5°	8552.7
20°	8101.1
22.5°	7602.0
25°	7045.2
27.5°	6423.6
30°	5761.5
32.5°	4984.0
35°	4264.2
37.5°	3629.4
40°	3037.2
42.5°	2416.6
45°	1830.4
47.5°	1321.2
50°	861.5
52.5°	623.6
55°	384.7
57.5°	186.3
60°	78.0
62.5°	38.5
65°	23.3
67.5°	20.2
70°	18.2
72.5°	16.2
75°	14.2
77.5°	11.1
80°	9.1
82.5°	7.1
85°	5.1
87.5°	3.0
90°	0.0

(END OF REPORT)