

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: P1504250

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (6500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504250
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-16)
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-A-04-BLAK-PS (6500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

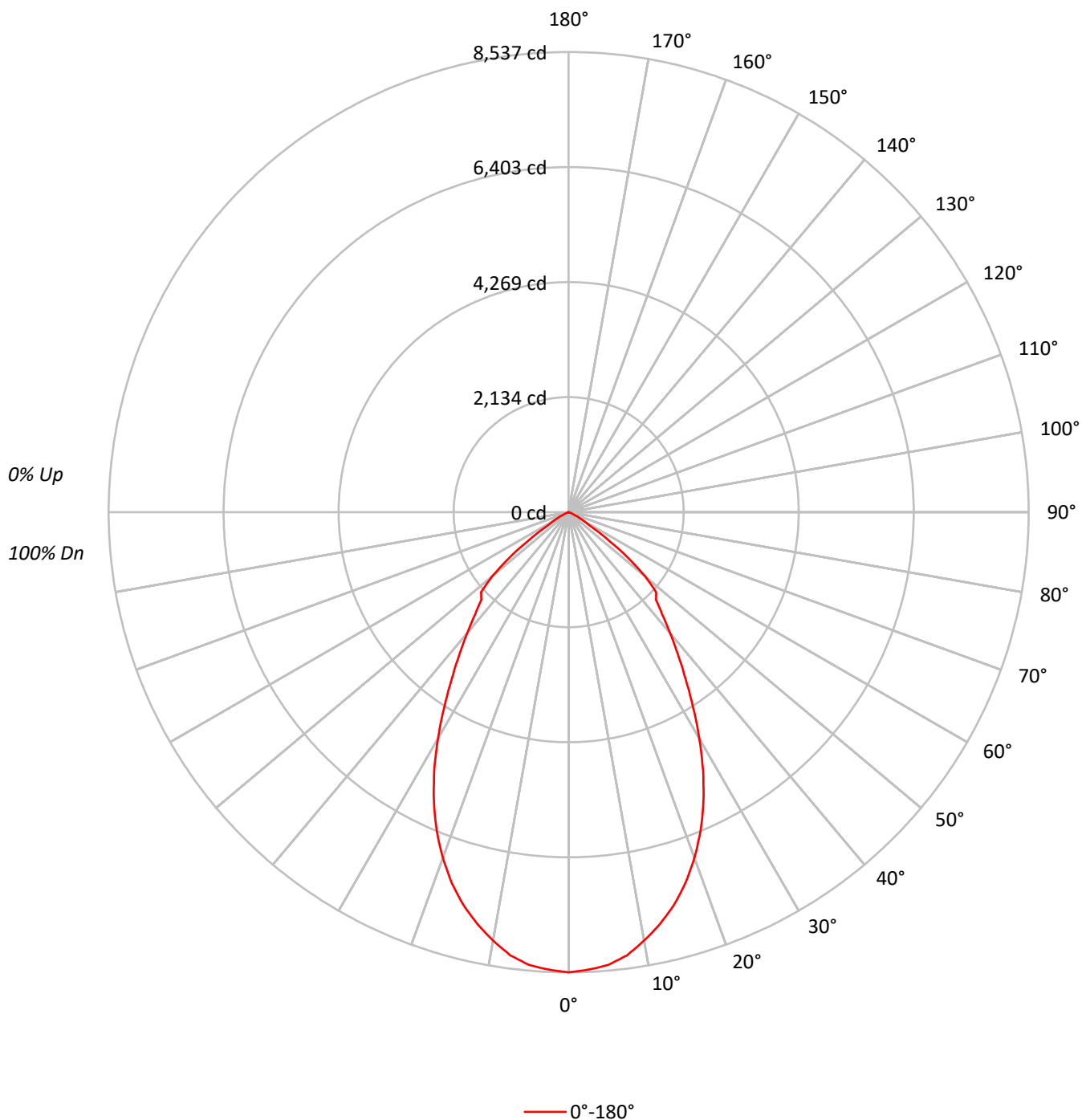
Lumens per Lamp: N/A
Luminaire Lumens: 10785.1 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.98
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 83
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: P1504250

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (6500K_L12_Narrow_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504250

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (6500K_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	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92							
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83							
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75							
4	93	84	77	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68							
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62							
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	50	60	54	49	58	53	49	57	53	49	47							
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44							
10	65	54	47	42	63	53	47	42	52	46	42	51	46	42	51	46	42	41							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77970
5°	77297
10°	74844
15°	71340
20°	66317
25°	59633
30°	51114
35°	42175
40°	34877
45°	29588
50°	26278
55°	14002
60°	5772
65°	2399
70°	633
75°	240
80°	310
85°	356

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 29800 cd/sqm

TEST NUMBER: P1504250

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (6500K_L12_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	793.4	7.4
10°-20°	2110.3	19.6
20°-30°	2698.4	25.0
30°-40°	2378.9	22.1
40°-50°	1819.2	16.9
50°-60°	840.2	7.8
60°-70°	131.5	1.2
70°-80°	9.9	0.1
80°-90°	3.3	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°	5602.0	51.9
0°-40°	7980.9	74.0
0°-60°	10640.3	98.7
0°-90°	10785.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10785.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8537	
5°	8431	793
15°	7545	2110
25°	5918	2698
35°	3783	2379
45°	2291	1819
55°	879	840
65°	111	132
75°	7	10
85°	3	3
90°	0	

TEST NUMBER: P1504250

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (6500K_L12_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	8537.3
2.5°	8494.9
5°	8431.4
7.5°	8291.6
10°	8070.5
12.5°	7825.7
15°	7545.2
17.5°	7212.3
20°	6823.4
22.5°	6398.1
25°	5917.7
27.5°	5400.1
30°	4846.9
32.5°	4299.6
35°	3782.8
37.5°	3329.5
40°	2925.4
42.5°	2564.5
45°	2290.8
47.5°	2204.4
50°	1849.5
52.5°	1392.0
55°	879.4
57.5°	455.8
60°	316.0
62.5°	201.6
65°	111.0
67.5°	55.1
70°	23.7
72.5°	9.3
75°	6.8
77.5°	6.8
80°	5.9
82.5°	4.2
85°	3.4
87.5°	1.7
90°	0.0

(END OF REPORT)