

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: P1504361

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504361
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-22)
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-WHGL-PS (3500K_L16_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

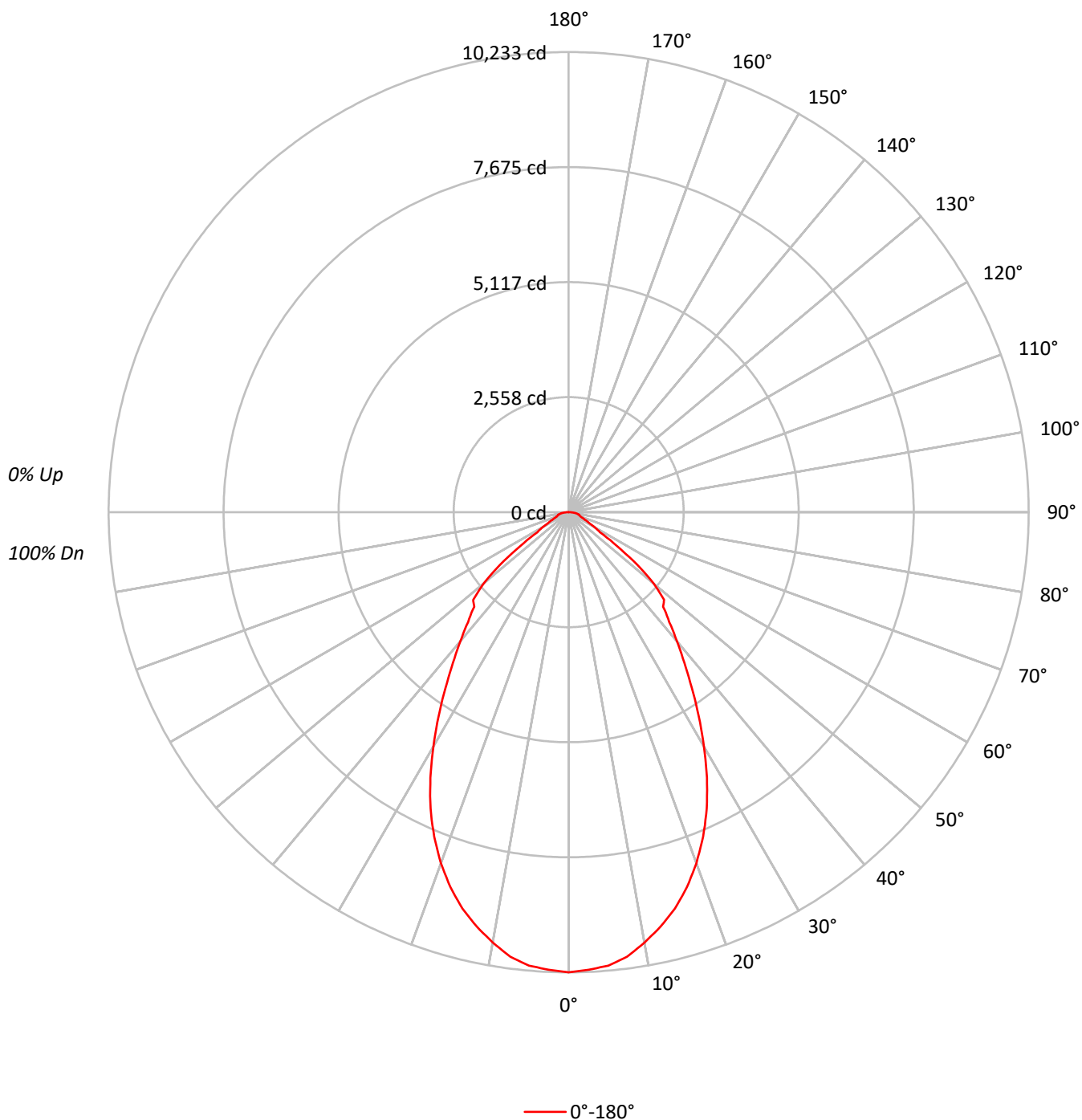
Lumens per Lamp: N/A
Luminaire Lumens: 14214.8 lumens
Efficiency: N/A
Efficacy: 141.9 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 100.2
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: P1504361

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3500K_L16_Narrow_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504361

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3500K_L16_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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	95	93	92	90		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	72		
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	75	63	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	47	43	53	47	43	52	47	43	51	46	42	41		
10	63	51	44	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93457
5°	92787
10°	90095
15°	86287
20°	80707
25°	73250
30°	63485
35°	53215
40°	44625
45°	38399
50°	35023
55°	20938
60°	11982
65°	8687
70°	7584
75°	8575
80°	10045
85°	11003

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 38933 cd/sqm

TEST NUMBER: P1504361

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3500K_L16_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	953.2	6.7
10°-20°	2553.5	18.0
20°-30°	3313.5	23.3
30°-40°	2997.4	21.1
40°-50°	2364.0	16.6
50°-60°	1245.7	8.8
60°-70°	423.2	3.0
70°-80°	254.0	1.8
80°-90°	110.4	0.8
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°	6820.2	48.0
0°-40°	9817.6	69.1
0°-60°	13427.3	94.5
0°-90°	14214.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14214.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10233	
5°	10121	953
15°	9126	2553
25°	7269	3313
35°	4773	2997
45°	2973	2364
55°	1315	1246
65°	402	423
75°	243	254
85°	105	110
90°	0	

TEST NUMBER: P1504361

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3500K_L16_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	10233
2.5°	10184
5°	10121
7.5°	9967
10°	9715
12.5°	9441
15°	9126
17.5°	8742
20°	8304
22.5°	7813
25°	7269
27.5°	6659
30°	6020
32.5°	5386
35°	4773
37.5°	4224
40°	3743
42.5°	3314
45°	2973
47.5°	2880
50°	2465
52.5°	1929
55°	1315
57.5°	825
60°	656
62.5°	515
65°	402
67.5°	328
70°	284
72.5°	259
75°	243
77.5°	222
80°	191
82.5°	152
85°	105
87.5°	53
90°	0

(END OF REPORT)