

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: P1504280

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (4000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504280
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-19)
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-CLER-PS (4000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

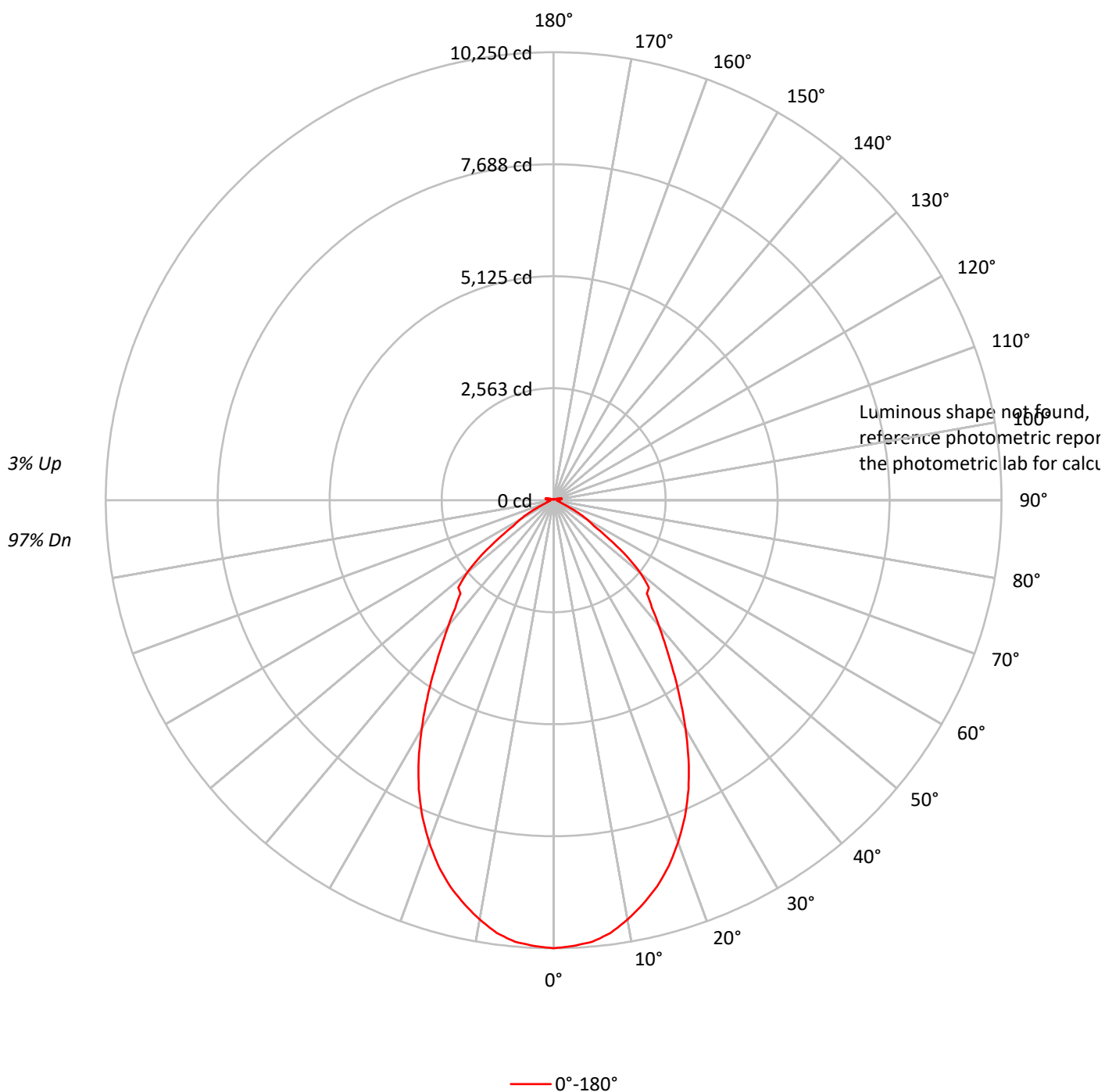
Lumens per Lamp: N/A
Luminaire Lumens: 14912.3 lumens
Efficiency: N/A
Efficacy: 149.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 99.5
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: P1504280

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (4000K_L16_Narrow_120V)

Luminous Intensity Polar Plot





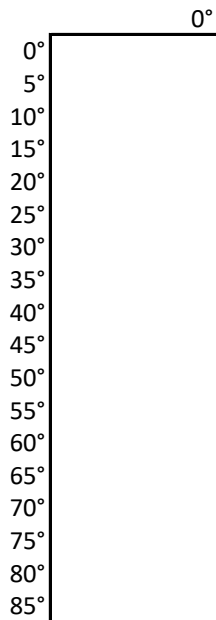
TEST NUMBER: P1504280

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (4000K_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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	104	97	92	88	101	95	91	87	91	87	84	88	85	82	84	82	80	78		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	69		
4	90	80	74	68	88	79	73	68	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	59	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	61	55	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	42		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	49	44	41	39		
10	62	50	43	39	60	50	43	39	48	42	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504280

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (4000K_L16_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	955.2	6.4
10°-20°	2560.6	17.2
20°-30°	3326.6	22.3
30°-40°	2996.7	20.1
40°-50°	2404.7	16.1
50°-60°	1445.4	9.7
60°-70°	473.2	3.2
70°-80°	151.4	1.0
80°-90°	95.0	0.6
90°-100°	163.4	1.1
100°-110°	177.0	1.2
110°-120°	81.1	0.5
120°-130°	30.0	0.2
130°-140°	18.3	0.1
140°-150°	15.4	0.1
150°-160°	11.1	0.1
160°-170°	5.5	0.0
170°-180°	1.5	0.0
0°-30°	6842.5	45.9
0°-40°	9839.1	66.0
0°-60°	13689.3	91.8
0°-90°	14408.9	96.6
90°-120°	421.6	2.8
90°-150°	485.2	3.3
90°-180°	503.0	3.4
0°-180°	14912.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10250	
5°	10142	955
15°	9149	2561
25°	7300	3327
35°	4768	2997
45°	3017	2405
55°	1558	1445
65°	431	473
75°	141	151
85°	79	70
90°	99	56
95°	153	133
105°	173	177
115°	78	81
125°	32	30
135°	23	18
145°	24	15
155°	24	11
165°	19	6
175°	15	2
180°	15	

TEST NUMBER: P1504280

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (4000K_L16_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	10250.3
2.5°	10205.5
5°	10141.5
7.5°	9985.8
10°	9739.7
12.5°	9462.0
15°	9148.8
17.5°	8772.5
20°	8329.0
22.5°	7845.9
25°	7299.7
27.5°	6688.4
30°	6037.5
32.5°	5388.6
35°	4768.1
37.5°	4213.8
40°	3744.9
42.5°	3327.9
45°	3016.7
47.5°	2957.7
50°	2598.7
52.5°	2110.5
55°	1558.2
57.5°	1094.4
60°	904.2
62.5°	667.2
65°	431.2
67.5°	276.7
70°	197.3
72.5°	160.7
75°	141.4
77.5°	122.1
80°	101.7
82.5°	84.4
85°	79.3
87.5°	84.4
90°	98.7
92.5°	124.1
95°	152.6
97.5°	178.0
100°	191.2
102.5°	188.2
105°	172.9
107.5°	149.5
110°	124.1

TEST NUMBER: P1504280

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (4000K_L16_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	99.7
115°	78.3
117.5°	61.0
120°	47.8
122.5°	37.6
125°	31.5
127.5°	27.5
130°	24.4
132.5°	23.4
135°	23.4
137.5°	23.4
140°	24.4
142.5°	24.4
145°	24.4
147.5°	24.4
150°	25.4
152.5°	24.4
155°	24.4
157.5°	23.4
160°	21.4
162.5°	20.3
165°	19.3
167.5°	18.3
170°	17.3
172.5°	16.3
175°	15.3
177.5°	15.3
180°	15.3

(END OF REPORT)