

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1221188

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (4000K_L16_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221188
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (4000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, BLACK SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

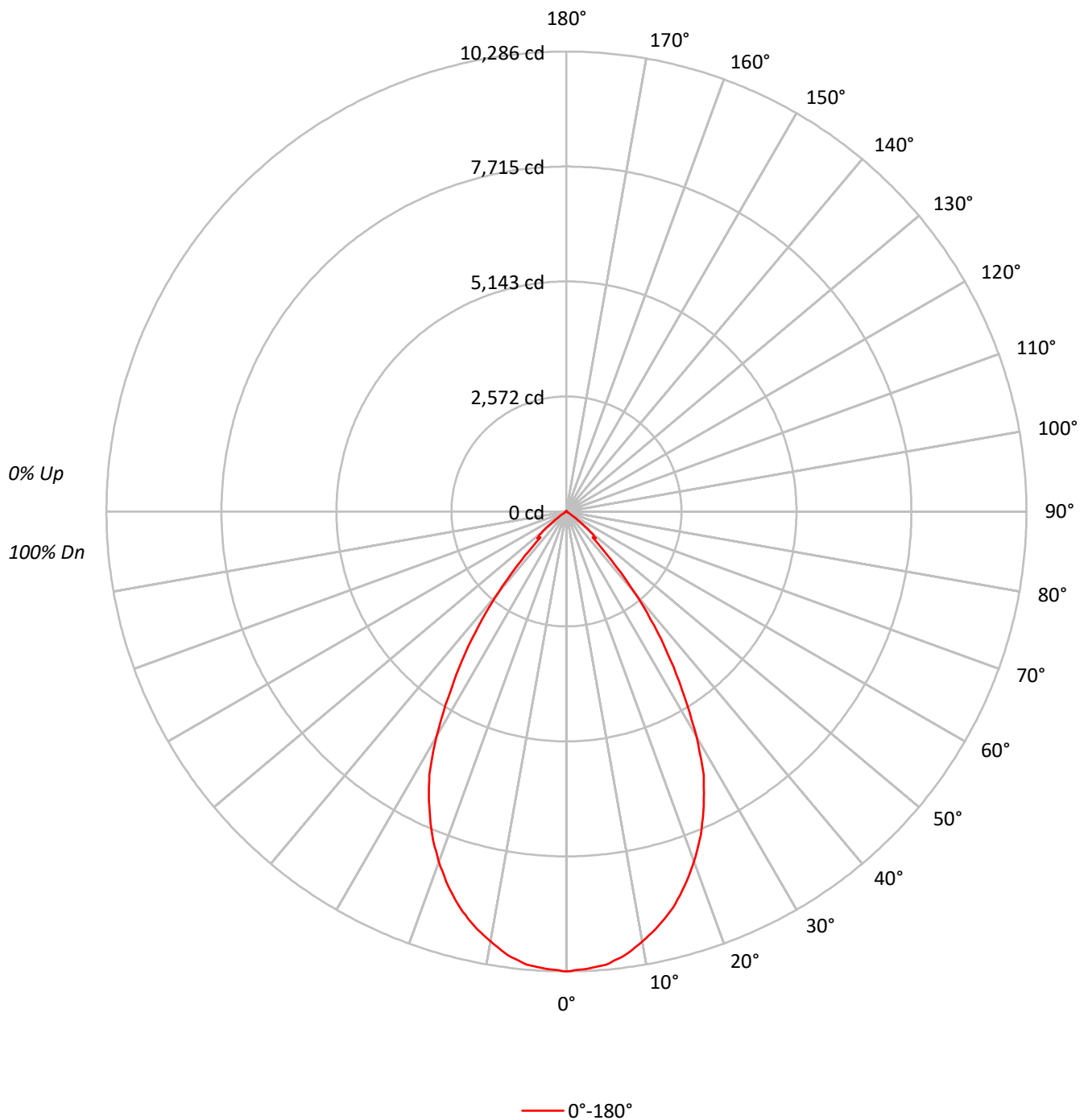
Lumens per Lamp: N/A
Luminaire Lumens: 10475.9 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 98.8
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: P1221188

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (4000K_L16_Narrow_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1221188

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	113	110	108	106	111	108	106	104	104	102	101		100	99	98		93
2	107	102	98	95	105	101	97	94	97	94	91		94	92	89		86
3	102	95	90	86	100	94	89	85	91	87	84		88	85	82		79
4	96	88	83	78	94	87	82	78	85	80	77		83	79	76		73
5	91	82	76	72	89	81	76	71	79	75	71		78	73	70		68
6	86	77	71	66	85	76	70	66	74	69	65		73	68	65		63
7	82	72	66	61	80	71	65	61	70	65	61		69	64	60		59
8	77	67	61	57	76	67	61	57	66	60	57		65	60	56		55
9	73	63	57	53	72	63	57	53	62	57	53		61	56	53		51
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56232
5°	53335
10°	49536
15°	45438
20°	40577
25°	35068
30°	27993
35°	19676
40°	11752
45°	4119
50°	3573
55°	518
60°	145
65°	135
70°	125
75°	108
80°	79
85°	45

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 4543 cd/sqm

TEST NUMBER: P1221188

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (4000K_L16_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	958.0	9.1
10°-20°	2567.5	24.5
20°-30°	3301.8	31.5
30°-40°	2516.9	24.0
40°-50°	899.6	8.6
50°-60°	178.9	1.7
60°-70°	22.0	0.2
70°-80°	16.0	0.2
80°-90°	5.9	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	1.0	0.0
140°-150°	2.3	0.0
150°-160°	2.7	0.0
160°-170°	2.2	0.0
170°-180°	0.9	0.0
0°-30°	6827.3	65.2
0°-40°	9344.2	89.2
0°-60°	10422.8	99.5
0°-90°	10466.7	99.9
90°-120°	0.0	0.0
90°-150°	3.5	0.0
90°-180°	9.0	0.1
0°-180°	10475.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10286	
5°	10175	958
15°	9182	2567
25°	7267	3302
35°	4055	2517
45°	818	900
55°	96	179
65°	22	22
75°	15	16
85°	5	5
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	1	1
145°	4	2
155°	6	3
165°	8	2
175°	9	1
180°	9	

TEST NUMBER: P1221188

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (4000K_L16_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	10286.1
2.5°	10239.1
5°	10174.8
7.5°	10012.3
10°	9767.1
12.5°	9500.5
15°	9181.7
17.5°	8787.3
20°	8335.8
22.5°	7845.4
25°	7267.1
27.5°	6639.8
30°	5807.1
32.5°	4911.1
35°	4055.0
37.5°	3227.4
40°	2387.6
42.5°	1482.4
45°	818.4
47.5°	889.9
50°	688.6
52.5°	325.9
55°	96.0
57.5°	42.9
60°	25.5
62.5°	23.5
65°	22.5
67.5°	20.4
70°	19.4
72.5°	17.4
75°	15.3
77.5°	13.3
80°	10.2
82.5°	8.2
85°	5.1
87.5°	3.1
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0

TEST NUMBER: P1221188

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (4000K_L16_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	1.0
132.5°	1.0
135°	1.0
137.5°	2.0
140°	2.0
142.5°	3.1
145°	4.1
147.5°	4.1
150°	5.1
152.5°	5.1
155°	6.1
157.5°	6.1
160°	7.2
162.5°	7.2
165°	8.2
167.5°	8.2
170°	9.2
172.5°	9.2
175°	9.2
177.5°	9.2
180°	9.2

TEST NUMBER: P1221188

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-BLAK-08 (4000K_L16_Narrow_120V)

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

END OF REPORT