

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: P1221174

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-Blak-08 (3000K_L18_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221174
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-13)
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 (3000K_L18_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, BLACK SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

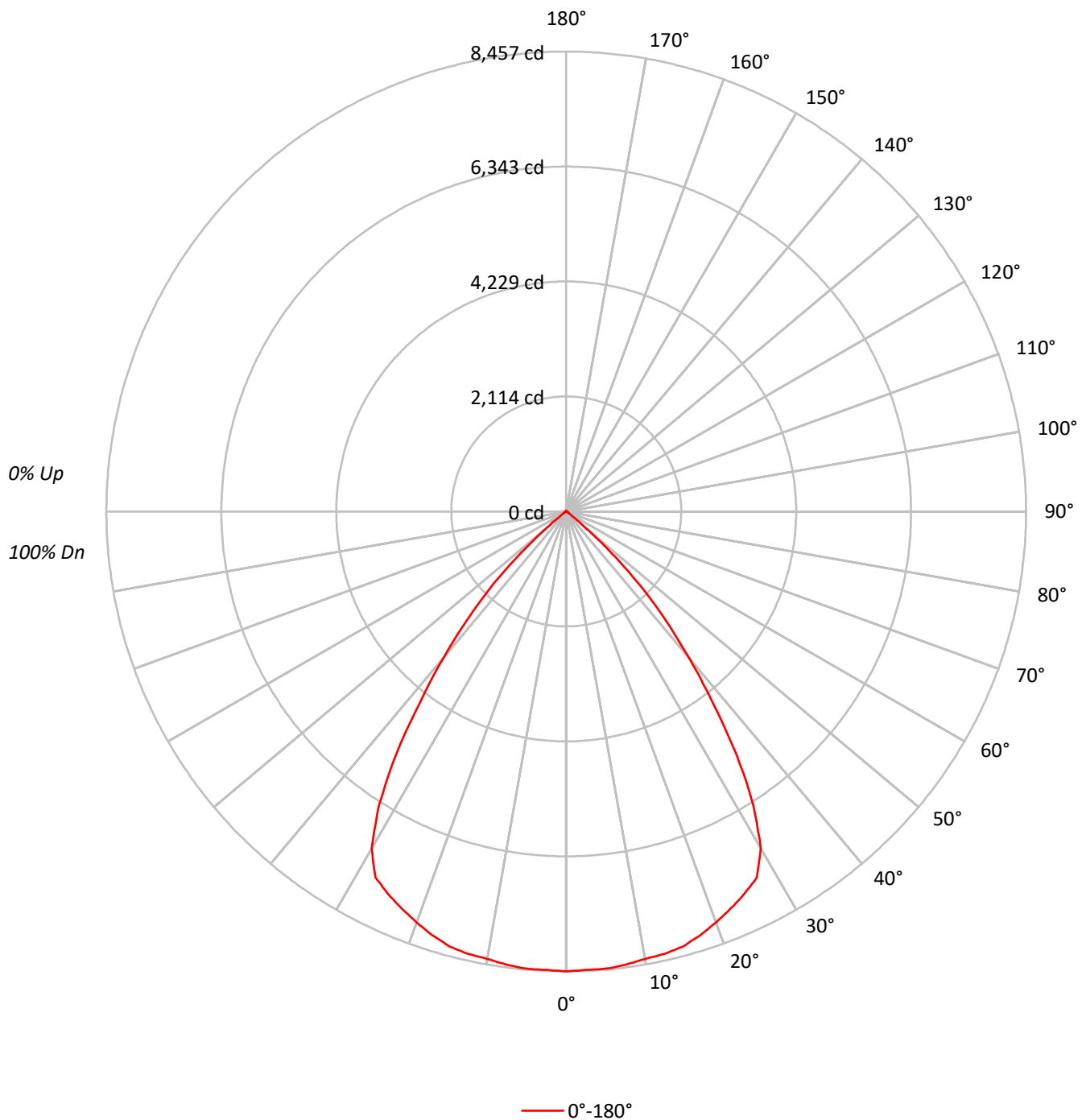
Lumens per Lamp: N/A
Luminaire Lumens: 11677.5 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 123.3
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

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Luminous Intensity Polar Plot



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79
4	95	87	80	76	93	85	80	75	83	78	74	81	77	74	79	76	73
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57
8	75	64	58	53	74	64	57	53	63	57	53	62	56	53	60	56	52
9	71	60	54	49	70	60	53	49	59	53	49	58	52	49	57	52	49
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	46235
5°	44237
10°	42375
15°	40982
20°	39144
25°	37423
30°	34497
35°	26481
40°	17277
45°	9545
50°	2299
55°	356
60°	206
65°	199
70°	191
75°	168
80°	124
85°	60

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9545 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	802.6	6.9
10°-20°	2333.2	20.0
20°-30°	3559.2	30.5
30°-40°	3346.1	28.7
40°-50°	1452.8	12.4
50°-60°	108.8	0.9
60°-70°	32.7	0.3
70°-80°	24.6	0.2
80°-90°	8.0	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°	1.5	0.0
140°-150°	2.5	0.0
150°-160°	2.6	0.0
160°-170°	2.0	0.0
170°-180°	0.8	0.0
0°-30°	6694.9	57.3
0°-40°	10041.0	86.0
0°-60°	11602.6	99.4
0°-90°	11667.9	99.9
90°-120°	0.0	0.0
90°-150°	4.2	0.0
90°-180°	10.0	0.1
0°-180°	11677.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8457	
5°	8439	803
15°	8281	2333
25°	7755	3559
35°	5458	3346
45°	1896	1453
55°	66	109
65°	33	33
75°	24	25
85°	7	8
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	2	2
145°	4	3
155°	6	3
165°	7	2
175°	8	1
180°	8	

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CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-Blak-08 (3000K_L18_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	8457.3
2.5°	8435.7
5°	8439.1
7.5°	8405.0
10°	8355.1
12.5°	8333.5
15°	8281.2
17.5°	8174.4
20°	8041.4
22.5°	7905.1
25°	7755.1
27.5°	7590.3
30°	7156.3
32.5°	6406.3
35°	5457.5
37.5°	4404.2
40°	3510.0
42.5°	2685.0
45°	1896.4
47.5°	1114.7
50°	443.1
52.5°	146.6
55°	65.9
57.5°	45.5
60°	36.4
62.5°	34.1
65°	33.0
67.5°	31.8
70°	29.5
72.5°	27.3
75°	23.9
77.5°	19.3
80°	15.9
82.5°	11.4
85°	6.8
87.5°	3.4
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

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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°	1.1
132.5°	1.1
135°	2.3
137.5°	2.3
140°	3.4
142.5°	3.4
145°	4.5
147.5°	4.5
150°	4.5
152.5°	5.7
155°	5.7
157.5°	5.7
160°	6.8
162.5°	6.8
165°	6.8
167.5°	6.8
170°	8.0
172.5°	8.0
175°	8.0
177.5°	8.0
180°	8.0

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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	0.05	0.00	0.00	0.00	0.00	0.05
	8H	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.25
	12H	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.00	0.00	0.37
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	0.05	0.00	0.00	0.00	0.00	0.05
	8H	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00	0.31

END OF REPORT