

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: P1221305

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3000K_L16_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221305
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

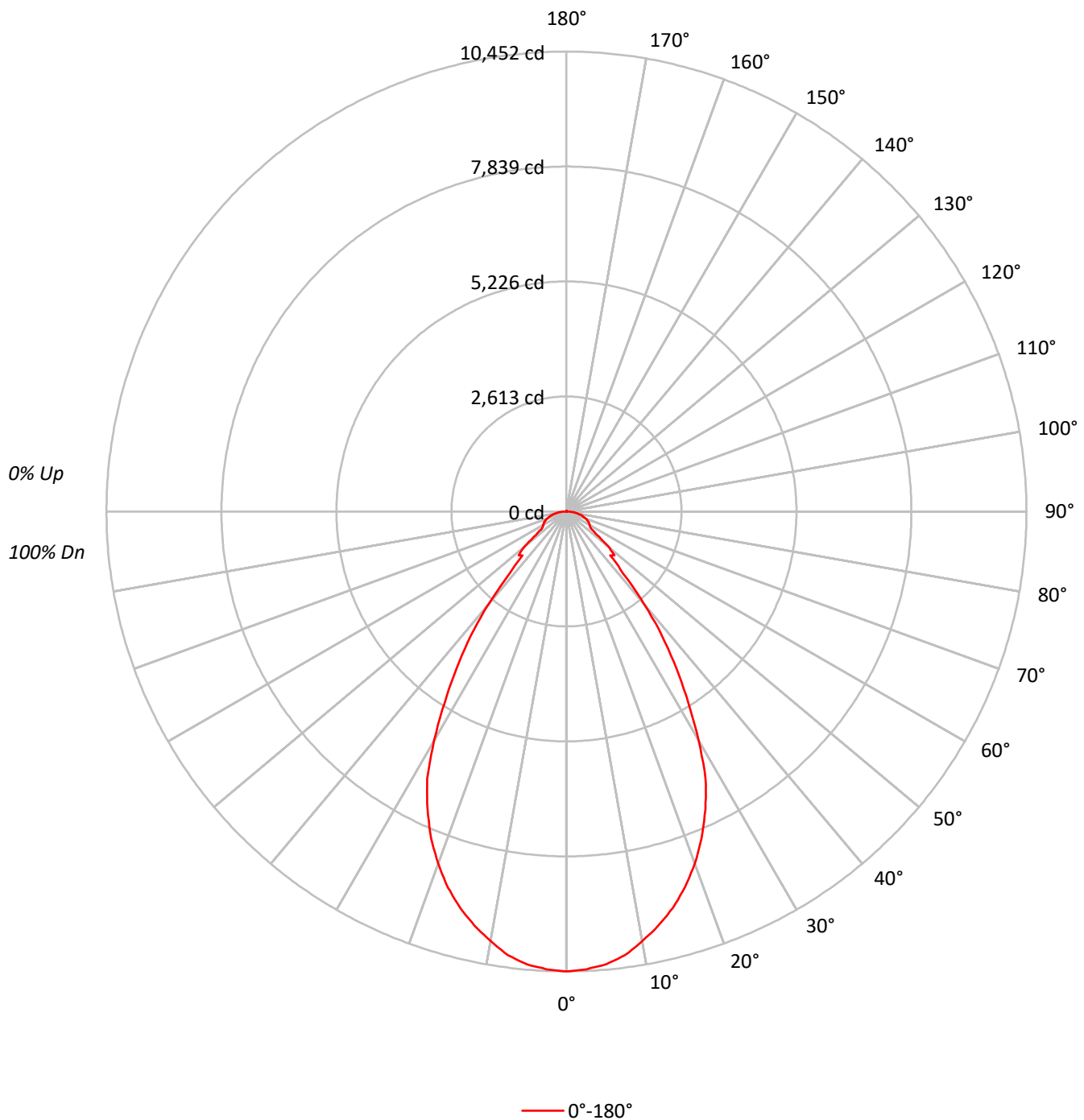
Lumens per Lamp: N/A
Luminaire Lumens: 12740.9 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 101.5
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

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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	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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90							
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80							
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73							
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66							
5	86	76	69	64	84	75	69	64	73	68	63	72	66	63	70	65	62	60							
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55							
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51							
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	52	49	47							
9	68	57	51	46	67	57	50	46	56	50	46	55	49	46	54	49	45	44							
10	65	54	47	43	64	53	47	43	53	47	43	52	46	43	51	46	42	41							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57141
5°	54168
10°	50301
15°	46163
20°	41492
25°	36049
30°	28966
35°	21080
40°	13617
45°	7091
50°	6439
55°	3709
60°	3432
65°	3280
70°	2977
75°	2510
80°	1900
85°	1077

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 7515 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	973.3	7.6
10°-20°	2612.5	20.5
20°-30°	3393.9	26.6
30°-40°	2702.3	21.2
40°-50°	1301.0	10.2
50°-60°	694.0	5.4
60°-70°	535.7	4.2
70°-80°	374.5	2.9
80°-90°	132.4	1.0
90°-100°	1.1	0.0
100°-110°	1.4	0.0
110°-120°	1.9	0.0
120°-130°	2.0	0.0
130°-140°	2.8	0.0
140°-150°	4.2	0.0
150°-160°	4.0	0.0
160°-170°	2.8	0.0
170°-180°	1.1	0.0
0°-30°	6979.7	54.8
0°-40°	9682.0	76.0
0°-60°	11677.0	91.6
0°-90°	12719.6	99.8
90°-120°	4.4	0.0
90°-150°	13.4	0.1
90°-180°	21.0	0.2
0°-180°	12740.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10452	
5°	10334	973
15°	9328	2612
25°	7470	3394
35°	4344	2702
45°	1409	1301
55°	687	694
65°	545	536
75°	357	374
85°	122	124
90°	1	8
95°	1	1
105°	1	1
115°	2	2
125°	2	2
135°	4	3
145°	7	4
155°	9	4
165°	10	3
175°	12	1
180°	12	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10452.3
2.5°	10412.5
5°	10333.8
7.5°	10172.5
10°	9917.9
12.5°	9642.0
15°	9328.1
17.5°	8956.0
20°	8523.6
22.5°	8032.9
25°	7470.3
27.5°	6847.4
30°	6008.9
32.5°	5151.8
35°	4344.4
37.5°	3572.9
40°	2766.4
42.5°	1904.5
45°	1408.9
47.5°	1472.1
50°	1240.8
52.5°	869.7
55°	687.0
57.5°	636.4
60°	605.4
62.5°	579.1
65°	545.1
67.5°	505.3
70°	460.6
72.5°	410.0
75°	356.6
77.5°	300.2
80°	243.9
82.5°	184.6
85°	122.4
87.5°	57.3
90°	1.0
92.5°	1.0
95°	1.0
97.5°	1.0
100°	1.0
102.5°	1.0
105°	1.0
107.5°	1.9
110°	1.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	1.9
115°	1.9
117.5°	1.9
120°	1.9
122.5°	1.9
125°	1.9
127.5°	2.9
130°	2.9
132.5°	2.9
135°	3.9
137.5°	3.9
140°	4.9
142.5°	5.8
145°	6.8
147.5°	7.8
150°	8.7
152.5°	8.7
155°	8.7
157.5°	8.7
160°	8.7
162.5°	9.7
165°	9.7
167.5°	10.7
170°	10.7
172.5°	10.7
175°	11.7
177.5°	11.7
180°	11.7

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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	12.50	13.73	12.87	14.05	14.37	12.50	13.73	12.87	14.05	14.37
	3H	14.55	15.65	14.94	15.98	16.35	14.55	15.65	14.94	15.98	16.35
	4H	15.30	16.32	15.71	16.68	17.07	15.30	16.32	15.71	16.68	17.07
	6H	15.82	16.76	16.24	17.13	17.53	15.82	16.76	16.24	17.13	17.53
	8H	15.97	16.86	16.40	17.25	17.66	15.97	16.86	16.40	17.25	17.66
	12H	16.04	16.89	16.48	17.28	17.71	16.04	16.89	16.48	17.28	17.71
4H	2H	13.10	14.12	13.51	14.47	14.86	13.10	14.12	13.51	14.47	14.86
	3H	15.31	16.16	15.73	16.57	16.97	15.31	16.16	15.73	16.57	16.97
	4H	16.16	16.92	16.60	17.34	17.79	16.16	16.92	16.60	17.34	17.79
	6H	16.79	17.44	17.25	17.89	18.36	16.79	17.44	17.25	17.89	18.36
	8H	16.97	17.58	17.44	18.03	18.51	16.97	17.58	17.44	18.03	18.51
	12H	17.08	17.62	17.57	18.11	18.58	17.08	17.62	17.57	18.11	18.58
8H	4H	16.40	17.01	16.87	17.46	17.94	16.40	17.01	16.87	17.46	17.94
	6H	17.13	17.63	17.63	18.13	18.61	17.13	17.63	17.63	18.13	18.61
	8H	17.38	17.82	17.90	18.34	18.84	17.38	17.82	17.90	18.34	18.84
	12H	17.54	17.94	18.06	18.43	19.01	17.54	17.94	18.06	18.43	19.01
12H	4H	16.40	16.94	16.89	17.43	17.91	16.40	16.94	16.89	17.43	17.91
	6H	17.15	17.60	17.68	18.12	18.62	17.15	17.60	17.68	18.12	18.62
	8H	17.45	17.84	17.97	18.34	18.91	17.45	17.84	17.97	18.34	18.91

END OF REPORT