

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: P1221309

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

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221309
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-2)
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_L18_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

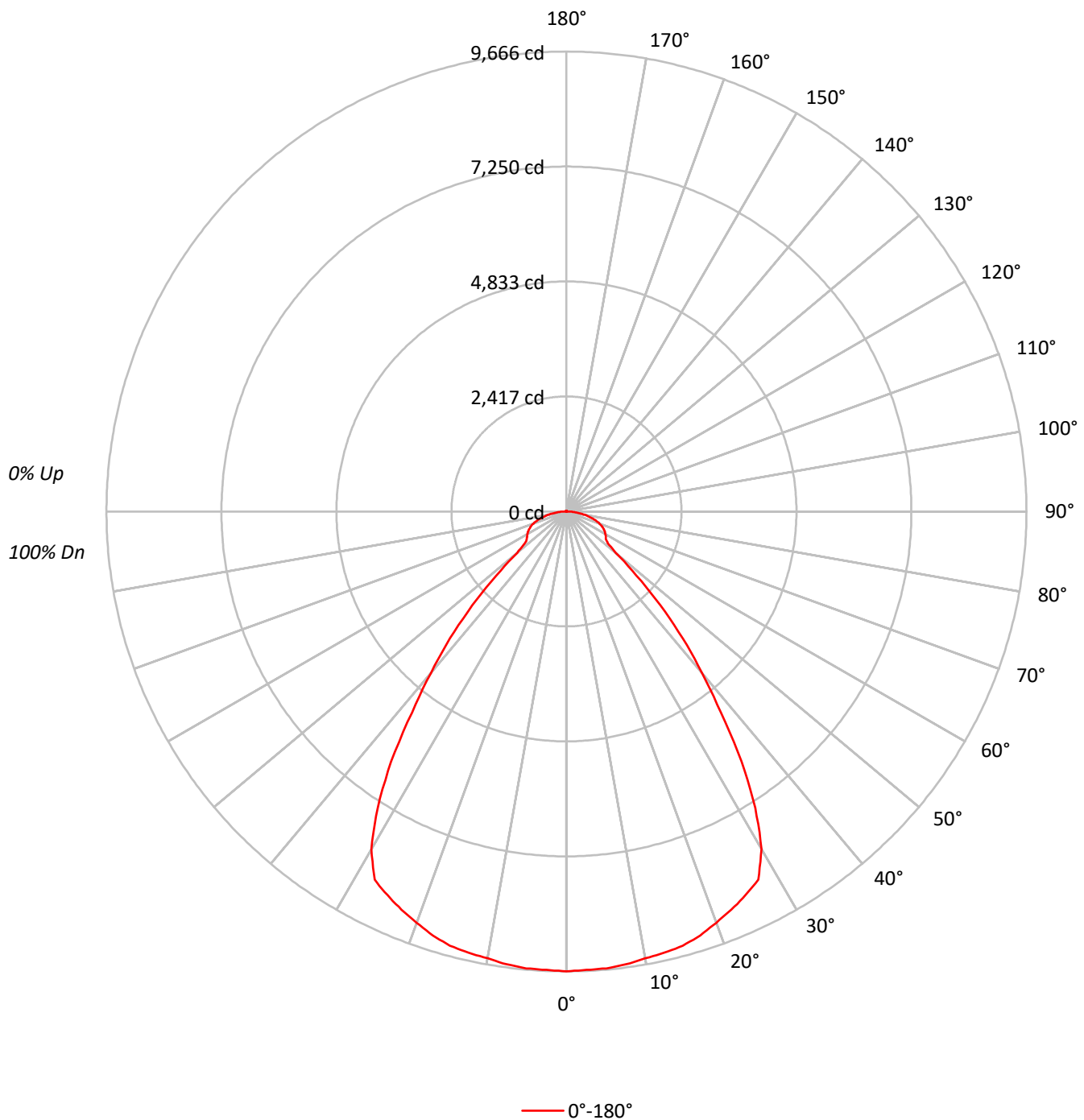
Lumens per Lamp: N/A
Luminaire Lumens: 16376.7 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.12
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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	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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88							
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78							
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70							
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	63							
5	84	73	66	60	82	72	65	60	70	64	60	68	63	59	67	62	58	57							
6	79	67	60	55	77	67	60	54	65	59	54	63	58	54	62	57	53	51							
7	74	62	55	50	72	62	54	49	60	54	49	59	53	49	58	52	49	47							
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43							
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39							
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	36							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	52844
5°	50526
10°	48379
15°	46757
20°	44786
25°	42951
30°	39520
35°	31152
40°	21807
45°	14057
50°	6993
55°	5472
60°	5360
65°	5176
70°	4759
75°	3983
80°	2869
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14057 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	916.8	5.6
10°-20°	2664.0	16.3
20°-30°	4082.8	24.9
30°-40°	3948.6	24.1
40°-50°	2153.6	13.2
50°-60°	946.7	5.8
60°-70°	845.7	5.2
70°-80°	592.1	3.6
80°-90°	192.0	1.2
90°-100°	2.5	0.0
100°-110°	2.4	0.0
110°-120°	3.0	0.0
120°-130°	3.8	0.0
130°-140°	5.4	0.0
140°-150°	7.2	0.0
150°-160°	5.7	0.0
160°-170°	3.3	0.0
170°-180°	1.2	0.0
0°-30°	7663.5	46.8
0°-40°	11612.1	70.9
0°-60°	14712.4	89.8
0°-90°	16342.2	99.8
90°-120°	7.9	0.0
90°-150°	24.3	0.1
90°-180°	34.0	0.2
0°-180°	16376.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9666	
5°	9639	917
15°	9448	2664
25°	8900	4083
35°	6420	3949
45°	2793	2154
55°	1014	947
65°	860	846
75°	566	592
85°	172	181
90°	2	12
95°	2	2
105°	2	2
115°	3	3
125°	4	4
135°	7	5
145°	11	7
155°	11	6
165°	11	3
175°	12	1
180°	12	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9666.3
2.5°	9643.6
5°	9639.0
7.5°	9600.4
10°	9539.0
12.5°	9499.3
15°	9448.1
17.5°	9341.3
20°	9200.4
22.5°	9057.3
25°	8900.5
27.5°	8726.6
30°	8198.2
32.5°	7384.7
35°	6420.0
37.5°	5328.0
40°	4430.3
42.5°	3620.2
45°	2793.0
47.5°	1993.0
50°	1347.6
52.5°	1093.1
55°	1013.6
57.5°	980.6
60°	945.4
62.5°	909.0
65°	860.2
67.5°	803.3
70°	736.3
72.5°	657.9
75°	565.9
77.5°	468.1
80°	368.2
82.5°	269.3
85°	171.6
87.5°	79.5
90°	2.3
92.5°	2.3
95°	2.3
97.5°	2.3
100°	2.3
102.5°	2.3
105°	2.3
107.5°	2.3
110°	2.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.3
115°	3.4
117.5°	3.4
120°	3.4
122.5°	3.4
125°	4.5
127.5°	4.5
130°	5.7
132.5°	5.7
135°	6.8
137.5°	8.0
140°	9.1
142.5°	10.2
145°	11.4
147.5°	13.6
150°	13.6
152.5°	13.6
155°	11.4
157.5°	11.4
160°	11.4
162.5°	11.4
165°	11.4
167.5°	11.4
170°	12.5
172.5°	12.5
175°	12.5
177.5°	12.5
180°	12.5

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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	14.55	15.85	14.92	16.17	16.49	14.55	15.85	14.92	16.17	16.49
	3H	16.72	17.88	17.11	18.21	18.58	16.72	17.88	17.11	18.21	18.58
	4H	17.50	18.58	17.91	18.94	19.32	17.50	18.58	17.91	18.94	19.32
	6H	18.00	19.00	18.42	19.37	19.77	18.00	19.00	18.42	19.37	19.77
	8H	18.13	19.07	18.56	19.47	19.88	18.13	19.07	18.56	19.47	19.88
	12H	18.19	19.09	18.63	19.48	19.92	18.19	19.09	18.63	19.48	19.92
4H	2H	15.20	16.28	15.60	16.63	17.02	15.20	16.28	15.60	16.63	17.02
	3H	17.53	18.42	17.94	18.83	19.24	17.53	18.42	17.94	18.83	19.24
	4H	18.40	19.20	18.84	19.63	20.07	18.40	19.20	18.84	19.63	20.07
	6H	19.00	19.70	19.46	20.15	20.62	19.00	19.70	19.46	20.15	20.62
	8H	19.16	19.81	19.63	20.26	20.74	19.16	19.81	19.63	20.26	20.74
	12H	19.24	19.82	19.73	20.31	20.79	19.24	19.82	19.73	20.31	20.79
8H	4H	18.64	19.30	19.12	19.75	20.22	18.64	19.30	19.12	19.75	20.22
	6H	19.34	19.87	19.84	20.37	20.86	19.34	19.87	19.84	20.37	20.86
	8H	19.55	20.03	20.08	20.55	21.04	19.55	20.03	20.08	20.55	21.04
	12H	19.69	20.11	20.21	20.61	21.18	19.69	20.11	20.21	20.61	21.18
12H	4H	18.65	19.23	19.14	19.71	20.19	18.65	19.23	19.14	19.71	20.19
	6H	19.36	19.84	19.88	20.35	20.85	19.36	19.84	19.88	20.35	20.85
	8H	19.61	20.04	20.13	20.53	21.11	19.61	20.04	20.13	20.53	21.11

END OF REPORT

FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

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