

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: P1221227

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3500K_L18_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221227
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3500K_L18_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

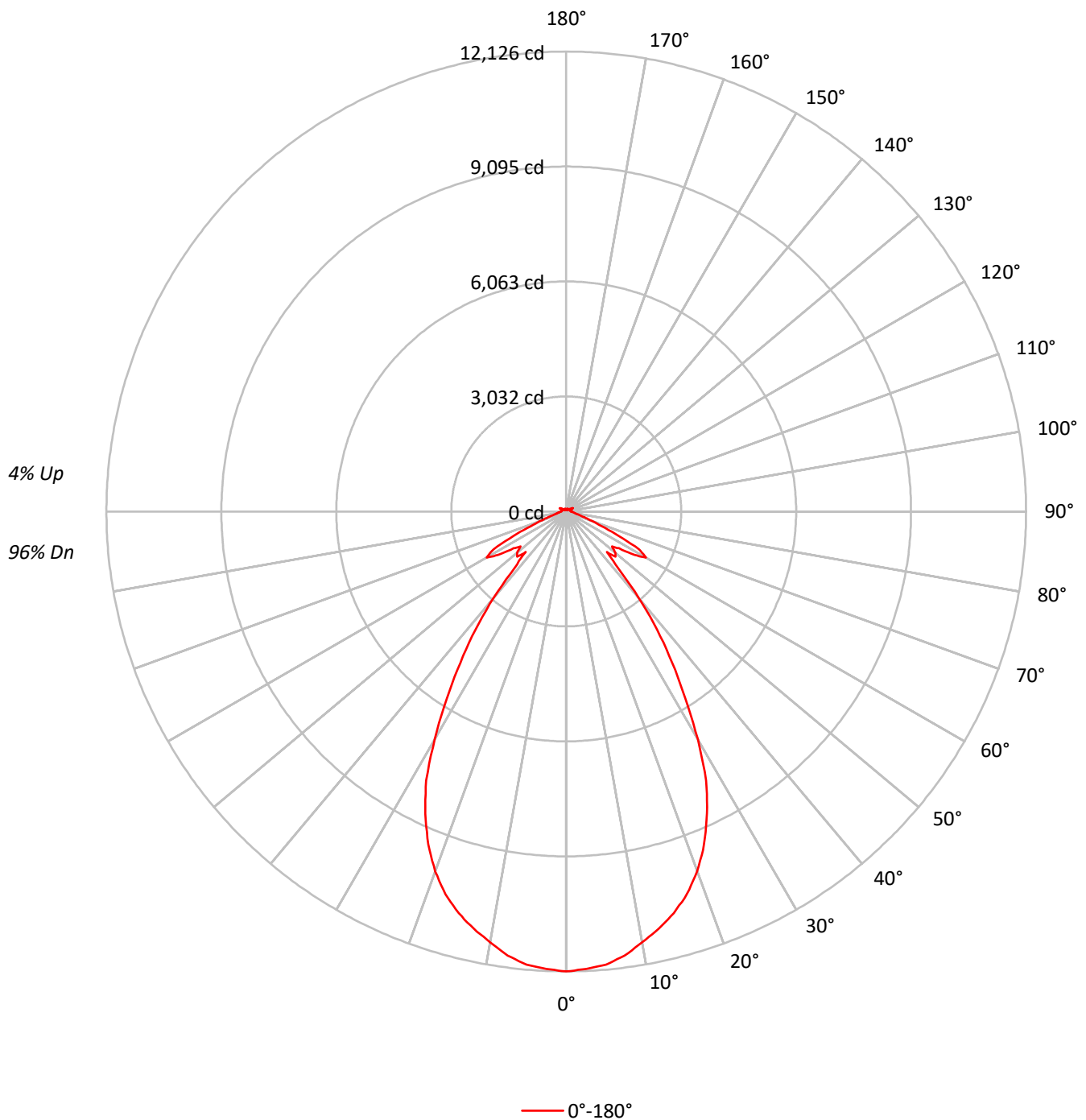
Lumens per Lamp: N/A
Luminaire Lumens: 17119.7 lumens
Efficiency: N/A
Efficacy: 141.7 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 120.8
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

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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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	99	99			
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87	87	87	87	87	85			
2	102	95	90	85	99	93	88	84	89	85	82	86	82	79	82	79	77	77	77	77	77	75			
3	95	86	80	74	92	85	78	73	81	76	72	78	74	70	75	72	68	68	68	68	68	66			
4	88	78	71	66	86	77	70	65	74	68	64	72	67	63	69	65	61	61	61	61	61	59			
5	83	72	64	59	80	71	64	58	68	62	57	66	61	56	64	59	56	56	56	56	56	54			
6	77	66	59	53	75	65	58	53	63	57	52	61	56	51	59	54	51	51	51	51	51	49			
7	73	61	54	48	71	60	53	48	59	52	48	57	51	47	55	50	47	47	47	47	47	45			
8	69	57	50	45	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	43	43	41			
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40	40	40	40	40	38			
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37	37	37	37	37	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	66288
5°	62861
10°	58502
15°	54248
20°	49154
25°	42425
30°	33428
35°	23605
40°	14638
45°	7634
50°	8769
55°	9122
60°	13770
65°	9246
70°	4316
75°	2362
80°	1749
85°	1462

MAXIMUM LUMINANCE 45°-90°:

Luminance: 13770 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1130.1	6.6
10°-20°	3071.7	17.9
20°-30°	3985.1	23.3
30°-40°	3032.1	17.7
40°-50°	1462.4	8.5
50°-60°	1668.8	9.7
60°-70°	1539.7	9.0
70°-80°	397.1	2.3
80°-90°	184.9	1.1
90°-100°	128.2	0.7
100°-110°	118.2	0.7
110°-120°	165.5	1.0
120°-130°	100.5	0.6
130°-140°	38.3	0.2
140°-150°	37.0	0.2
150°-160°	37.5	0.2
160°-170°	18.7	0.1
170°-180°	3.9	0.0
0°-30°	8186.8	47.8
0°-40°	11218.9	65.5
0°-60°	14350.1	83.8
0°-90°	16471.9	96.2
90°-120°	411.9	2.4
90°-150°	587.7	3.4
90°-180°	648.0	3.8
0°-180°	17119.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12126	
5°	11992	###
15°	10962	3072
25°	8792	3985
35°	4865	3032
45°	1517	1462
55°	1690	1669
65°	1537	1540
75°	336	397
85°	166	148
90°	126	71
95°	115	95
105°	112	118
115°	193	165
125°	109	101
135°	46	38
145°	60	37
155°	83	37
165°	64	19
175°	40	4
180°	37	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12125.5
2.5°	12074.0
5°	11992.2
7.5°	11810.9
10°	11534.9
12.5°	11269.5
15°	10961.9
17.5°	10584.2
20°	10097.7
22.5°	9503.7
25°	8791.5
27.5°	7990.5
30°	6934.5
32.5°	5856.3
35°	4864.7
37.5°	3936.2
40°	2973.8
42.5°	2000.8
45°	1516.7
47.5°	1757.6
50°	1689.8
52.5°	1517.9
55°	1689.8
57.5°	2137.7
60°	2428.8
62.5°	2161.0
65°	1536.6
67.5°	1009.2
70°	667.7
72.5°	461.9
75°	335.6
77.5°	264.3
80°	224.5
82.5°	193.0
85°	166.1
87.5°	143.8
90°	126.3
92.5°	119.3
95°	114.6
97.5°	114.6
100°	116.9
102.5°	118.1
105°	112.3
107.5°	102.9
110°	109.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	149.7
115°	193.0
117.5°	189.4
120°	162.5
122.5°	135.6
125°	108.8
127.5°	85.4
130°	66.7
132.5°	53.8
135°	45.6
137.5°	42.1
140°	43.3
142.5°	50.3
145°	59.6
147.5°	69.0
150°	76.0
152.5°	80.7
155°	83.0
157.5°	83.0
160°	79.5
162.5°	73.7
165°	64.3
167.5°	55.0
170°	46.8
172.5°	40.9
175°	39.8
177.5°	37.4
180°	37.4

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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	19.69	20.97	20.13	21.37	21.78	19.69	20.97	20.13	21.37	21.78
	3H	20.29	21.43	20.73	21.84	22.30	20.29	21.43	20.73	21.84	22.30
	4H	20.33	21.40	20.79	21.83	22.30	20.33	21.40	20.79	21.83	22.30
	6H	20.33	21.31	20.81	21.76	22.25	20.33	21.31	20.81	21.76	22.25
	8H	20.32	21.26	20.81	21.72	22.22	20.32	21.26	20.81	21.72	22.22
	12H	20.31	21.21	20.81	21.67	22.19	20.31	21.21	20.81	21.67	22.19
4H	2H	20.09	21.17	20.56	21.59	22.07	20.09	21.17	20.56	21.59	22.07
	3H	20.70	21.59	21.18	22.07	22.56	20.70	21.59	21.18	22.07	22.56
	4H	20.76	21.56	21.26	22.05	22.58	20.76	21.56	21.26	22.05	22.58
	6H	20.79	21.49	21.32	22.00	22.55	20.79	21.49	21.32	22.00	22.55
	8H	20.80	21.44	21.33	21.96	22.52	20.80	21.44	21.33	21.96	22.52
	12H	20.81	21.38	21.36	21.93	22.49	20.81	21.38	21.36	21.93	22.49
8H	4H	20.70	21.35	21.23	21.86	22.42	20.70	21.35	21.23	21.86	22.42
	6H	20.76	21.29	21.33	21.85	22.42	20.76	21.29	21.33	21.85	22.42
	8H	20.79	21.26	21.37	21.84	22.41	20.79	21.26	21.37	21.84	22.41
	12H	20.84	21.24	21.42	21.81	22.46	20.84	21.24	21.42	21.81	22.46
12H	4H	20.67	21.24	21.22	21.79	22.35	20.67	21.24	21.22	21.79	22.35
	6H	20.73	21.20	21.31	21.77	22.35	20.73	21.20	21.31	21.77	22.35
	8H	20.79	21.19	21.36	21.75	22.41	20.79	21.19	21.36	21.75	22.41

END OF REPORT