

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: P1221281

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (4000K_L18_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221281
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (4000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

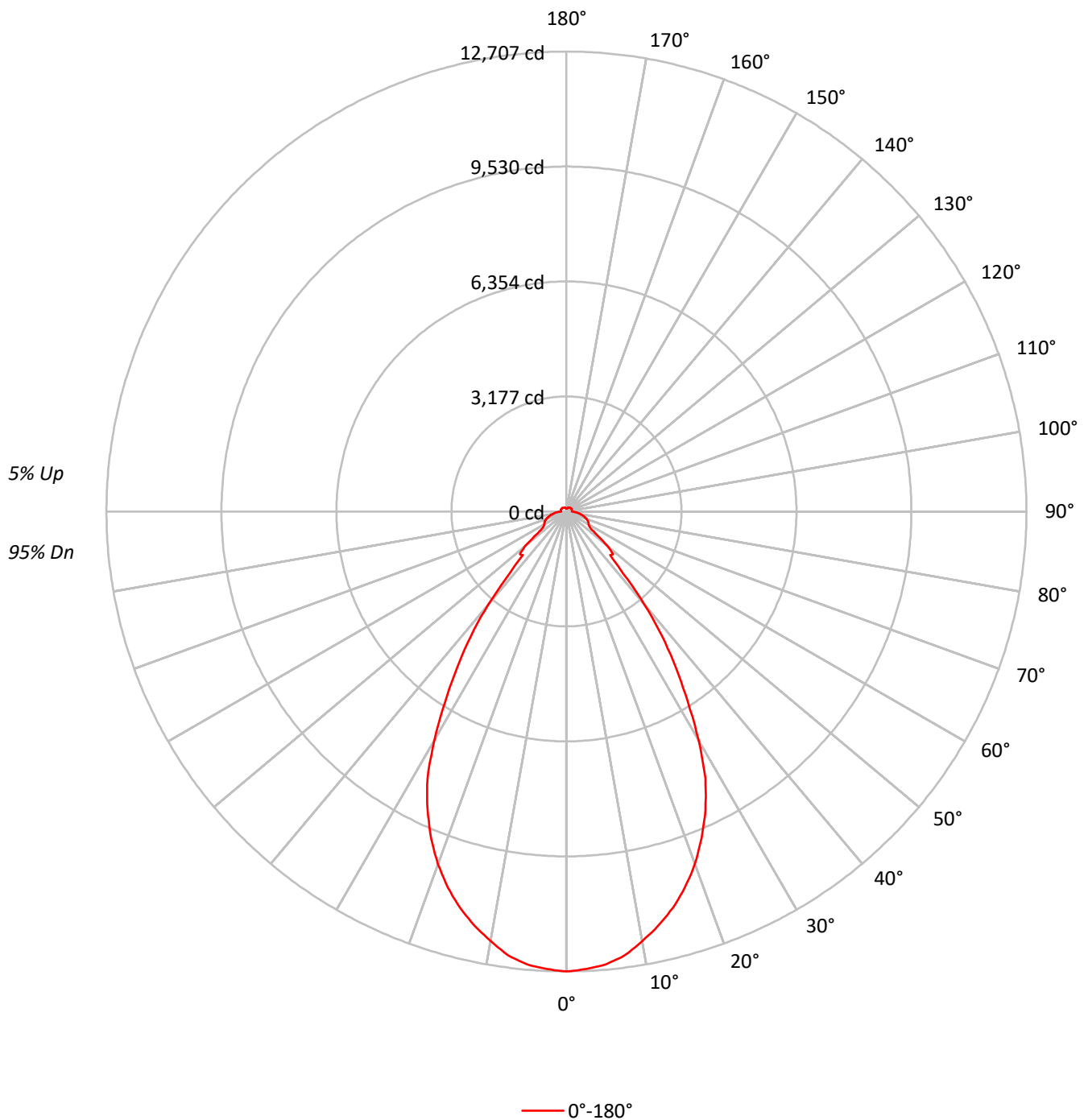
Lumens per Lamp: N/A
Luminaire Lumens: 16498.7 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 118.9
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	114	114	114	114	108	108	108	102	102	102	97	97	97	97	97	97	97	97			
1	110	106	103	100	107	103	100	98	98	96	94	94	92	90	89	88	86	86	86	86	86	84			
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	82	80	77	77	77	77	77	75			
3	96	88	82	77	93	86	80	76	82	78	74	79	75	72	76	73	70	70	70	70	70	68			
4	90	81	74	69	88	79	73	68	76	71	66	73	69	65	71	67	64	64	64	64	64	62			
5	85	74	67	62	82	73	66	61	70	65	60	68	63	59	66	62	58	58	58	58	58	56			
6	79	69	62	57	77	68	61	56	66	60	55	63	58	54	62	57	54	54	54	54	54	52			
7	75	64	57	52	73	63	56	52	61	55	51	59	54	50	58	53	50	50	50	50	50	48			
8	71	60	53	48	69	59	52	48	57	51	47	56	50	46	54	49	46	46	46	46	46	44			
9	67	56	49	44	65	55	49	44	54	48	44	52	47	43	51	46	43	43	43	43	43	41			
10	63	52	46	41	62	52	45	41	50	45	41	49	44	40	48	43	40	40	40	40	40	38			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	69468
5°	65858
10°	61151
15°	56139
20°	50481
25°	43839
30°	35166
35°	25531
40°	16549
45°	8587
50°	7644
55°	4321
60°	4024
65°	3976
70°	3776
75°	3423
80°	2951
85°	2313

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 8929 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1183.2	7.2
10°-20°	3177.4	19.3
20°-30°	4125.0	25.0
30°-40°	3276.2	19.9
40°-50°	1568.4	9.5
50°-60°	813.4	4.9
60°-70°	649.5	3.9
70°-80°	512.0	3.1
80°-90°	286.3	1.7
90°-100°	166.3	1.0
100°-110°	166.8	1.0
110°-120°	156.1	0.9
120°-130°	135.8	0.8
130°-140°	110.2	0.7
140°-150°	82.2	0.5
150°-160°	54.2	0.3
160°-170°	27.7	0.2
170°-180°	7.7	0.0
0°-30°	8485.7	51.4
0°-40°	11761.9	71.3
0°-60°	14143.7	85.7
0°-90°	15591.6	94.5
90°-120°	489.3	3.0
90°-150°	817.5	5.0
90°-180°	907.0	5.5
0°-180°	16498.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12707	
5°	12564	###
15°	11344	3177
25°	9085	4125
35°	5262	3276
45°	1706	1568
55°	800	813
65°	661	650
75°	486	512
85°	263	238
90°	148	89
95°	153	125
105°	158	167
115°	158	156
125°	152	136
135°	142	110
145°	130	82
155°	117	54
165°	97	28
175°	80	8
180°	80	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12707.2
2.5°	12655.8
5°	12563.8
7.5°	12367.9
10°	12057.2
12.5°	11725.1
15°	11344.0
17.5°	10894.8
20°	10370.3
22.5°	9766.9
25°	9084.7
27.5°	8315.3
30°	7295.0
32.5°	6236.5
35°	5261.6
37.5°	4336.9
40°	3362.0
42.5°	2315.4
45°	1706.1
47.5°	1749.1
50°	1473.1
52.5°	1021.5
55°	800.5
57.5°	739.5
60°	709.7
62.5°	688.2
65°	660.7
67.5°	624.8
70°	584.2
72.5°	537.6
75°	486.3
77.5°	433.7
80°	378.7
82.5°	322.6
85°	262.8
87.5°	201.9
90°	148.1
92.5°	150.5
95°	152.9
97.5°	154.1
100°	156.5
102.5°	157.7
105°	157.7
107.5°	157.7
110°	158.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	157.7
115°	157.7
117.5°	156.5
120°	155.3
122.5°	152.9
125°	151.7
127.5°	149.3
130°	147.0
132.5°	144.6
135°	142.2
137.5°	139.8
140°	137.4
142.5°	133.8
145°	130.2
147.5°	127.8
150°	124.3
152.5°	120.7
155°	117.1
157.5°	112.3
160°	107.5
162.5°	102.7
165°	96.8
167.5°	90.8
170°	84.8
172.5°	78.9
175°	80.0
177.5°	80.0
180°	80.0

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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	12.40	13.56	12.87	13.99	14.44	12.40	13.56	12.87	13.99	14.44
	3H	14.70	15.73	15.17	16.17	16.67	14.70	15.73	15.17	16.17	16.67
	4H	15.62	16.58	16.12	17.05	17.57	15.62	16.58	16.12	17.05	17.57
	6H	16.37	17.26	16.88	17.74	18.27	16.37	17.26	16.88	17.74	18.27
	8H	16.65	17.49	17.18	17.99	18.53	16.65	17.49	17.18	17.99	18.53
	12H	16.87	17.68	17.40	18.17	18.73	16.87	17.68	17.40	18.17	18.73
4H	2H	13.05	14.02	13.55	14.48	15.00	13.05	14.02	13.55	14.48	15.00
	3H	15.52	16.32	16.03	16.83	17.37	15.52	16.32	16.03	16.83	17.37
	4H	16.56	17.28	17.09	17.81	18.38	16.56	17.28	17.09	17.81	18.38
	6H	17.44	18.07	18.00	18.62	19.21	17.44	18.07	18.00	18.62	19.21
	8H	17.78	18.37	18.34	18.92	19.51	17.78	18.37	18.34	18.92	19.51
	12H	18.06	18.58	18.64	19.16	19.77	18.06	18.58	18.64	19.16	19.77
8H	4H	16.87	17.46	17.43	18.01	18.61	16.87	17.46	17.43	18.01	18.61
	6H	17.90	18.38	18.49	18.97	19.58	17.90	18.38	18.49	18.97	19.58
	8H	18.34	18.77	18.95	19.38	19.99	18.34	18.77	18.95	19.38	19.99
	12H	18.73	19.11	19.33	19.70	20.39	18.73	19.11	19.33	19.70	20.39
12H	4H	16.90	17.42	17.48	18.00	18.60	16.90	17.42	17.48	18.00	18.60
	6H	17.97	18.40	18.58	19.01	19.63	17.97	18.40	18.58	19.01	19.63
	8H	18.47	18.85	19.07	19.44	20.13	18.47	18.85	19.07	19.44	20.13