

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: P1221291

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (5000K_L18_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221291
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-21)
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 (5000K_L18_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

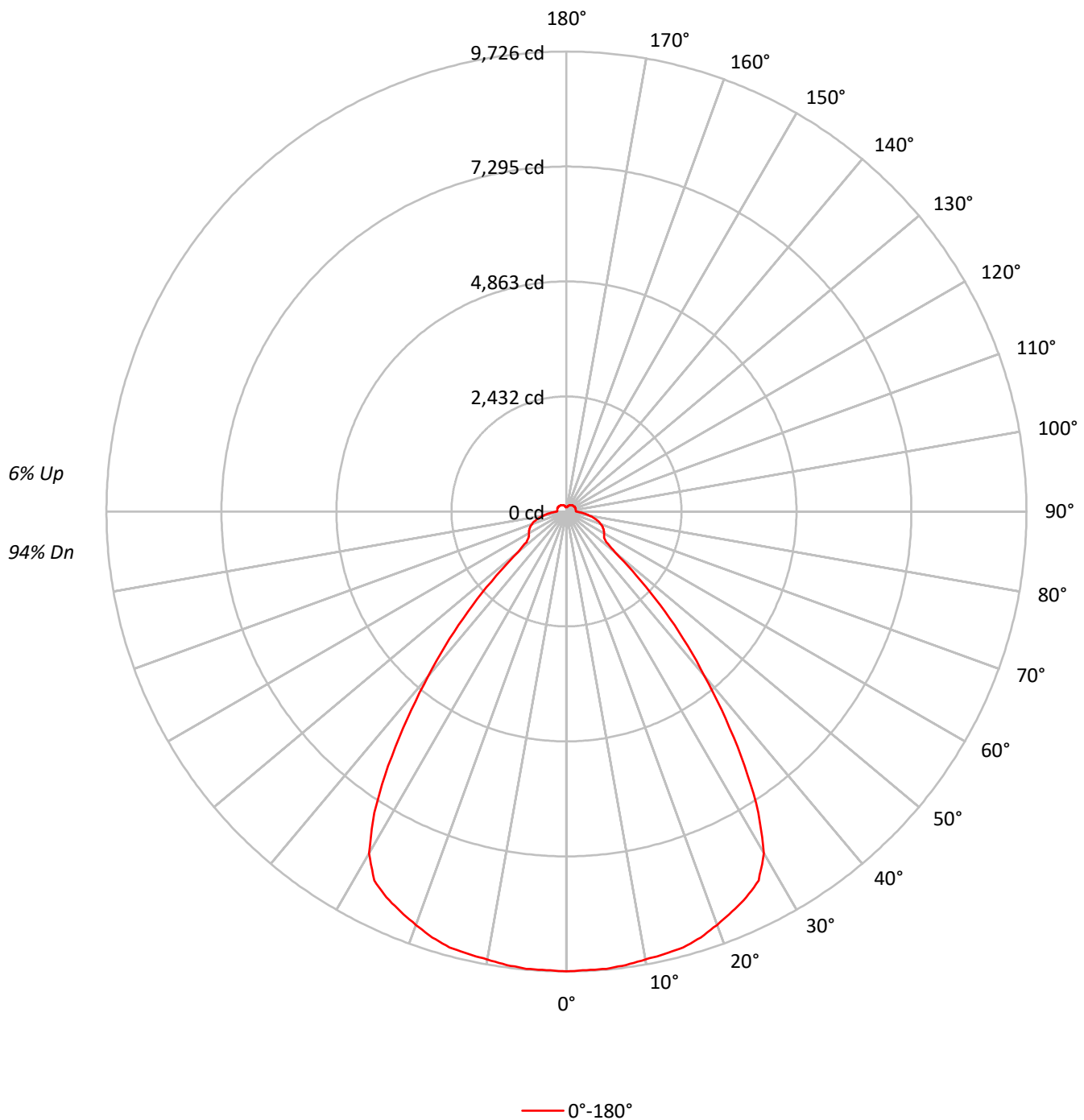
Lumens per Lamp: N/A
Luminaire Lumens: 17922.1 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 119.4
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	96	96	96	96	96	96	96	96			
1	109	105	102	98	106	102	99	96	97	94	92	92	90	88	88	86	84	84	86	88	90	94			
2	101	95	89	84	98	92	87	83	88	84	80	84	80	77	80	77	75	75	77	80	84	88			
3	94	86	79	74	91	84	78	73	80	75	71	76	72	69	73	70	67	67	70	73	77	81			
4	88	78	71	65	85	76	70	64	73	67	63	70	65	61	67	63	60	60	63	67	71	75			
5	82	71	64	58	80	70	63	58	67	61	57	65	59	55	62	58	54	54	58	62	66	70			
6	77	66	58	53	75	64	57	52	62	56	51	60	54	50	58	53	49	49	53	57	61	65			
7	72	60	53	48	70	59	52	47	57	51	47	55	50	46	54	49	45	45	49	53	57	61			
8	68	56	49	44	66	55	48	43	53	47	43	52	46	42	50	45	41	41	45	49	53	57			
9	64	52	45	40	62	51	44	40	50	43	39	48	43	39	47	42	38	38	42	46	50	54			
10	60	48	41	37	59	48	41	37	46	40	36	45	40	36	44	39	35	35	39	43	47	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	53169
5°	50887
10°	48791
15°	47223
20°	45300
25°	43454
30°	40239
35°	31879
40°	22336
45°	14133
50°	6922
55°	5271
60°	5195
65°	5183
70°	4993
75°	4534
80°	3785
85°	2882

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14133 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	923.7	5.2
10°-20°	2691.3	15.0
20°-30°	4129.5	23.0
30°-40°	4050.7	22.6
40°-50°	2174.3	12.1
50°-60°	917.7	5.1
60°-70°	847.8	4.7
70°-80°	674.1	3.8
80°-90°	362.6	2.0
90°-100°	216.1	1.2
100°-110°	213.3	1.2
110°-120°	198.6	1.1
120°-130°	172.1	1.0
130°-140°	139.2	0.8
140°-150°	102.6	0.6
150°-160°	66.3	0.4
160°-170°	33.3	0.2
170°-180°	9.0	0.1
0°-30°	7744.5	43.2
0°-40°	11795.2	65.8
0°-60°	14887.1	83.1
0°-90°	16771.6	93.6
90°-120°	628.0	3.5
90°-150°	1041.9	5.8
90°-180°	1150.0	6.4
0°-180°	17922.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9726	
5°	9708	924
15°	9542	2691
25°	9005	4130
35°	6570	4051
45°	2808	2174
55°	976	918
65°	861	848
75°	644	674
85°	328	300
90°	206	118
95°	197	161
105°	202	213
115°	200	199
125°	192	172
135°	180	139
145°	163	103
155°	143	66
165°	116	33
175°	94	9
180°	92	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9725.8
2.5°	9707.8
5°	9707.8
7.5°	9674.2
10°	9620.2
12.5°	9587.9
15°	9542.3
17.5°	9445.1
20°	9306.0
22.5°	9158.4
25°	9004.9
27.5°	8797.4
30°	8347.5
32.5°	7557.1
35°	6569.8
37.5°	5527.4
40°	4537.8
42.5°	3653.8
45°	2808.1
47.5°	2009.2
50°	1333.9
52.5°	1061.6
55°	976.4
57.5°	941.6
60°	916.4
62.5°	892.5
65°	861.3
67.5°	821.7
70°	772.5
72.5°	713.7
75°	644.1
77.5°	566.2
80°	485.8
82.5°	405.4
85°	327.5
87.5°	251.9
90°	206.3
92.5°	194.3
95°	196.7
97.5°	197.9
100°	200.3
102.5°	201.5
105°	201.5
107.5°	202.7
110°	201.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	201.5
115°	200.3
117.5°	199.1
120°	196.7
122.5°	194.3
125°	191.9
127.5°	189.5
130°	185.9
132.5°	183.5
135°	179.9
137.5°	176.3
140°	171.5
142.5°	167.9
145°	163.1
147.5°	158.3
150°	153.5
152.5°	148.7
155°	142.7
157.5°	136.7
160°	130.7
162.5°	123.6
165°	116.4
167.5°	108.0
170°	99.6
172.5°	92.4
175°	93.6
177.5°	93.6
180°	92.4

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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	13.69	14.89	14.16	15.34	15.81	13.69	14.89	14.16	15.34	15.81
	3H	16.11	17.18	16.60	17.65	18.17	16.11	17.18	16.60	17.65	18.17
	4H	17.07	18.08	17.58	18.56	19.10	17.07	18.08	17.58	18.56	19.10
	6H	17.82	18.75	18.34	19.24	19.79	17.82	18.75	18.34	19.24	19.79
	8H	18.09	18.97	18.62	19.48	20.04	18.09	18.97	18.62	19.48	20.04
	12H	18.29	19.14	18.83	19.64	20.23	18.29	19.14	18.83	19.64	20.23
4H	2H	14.38	15.39	14.90	15.87	16.41	14.38	15.39	14.90	15.87	16.41
	3H	16.97	17.81	17.49	18.34	18.89	16.97	17.81	17.49	18.34	18.89
	4H	18.05	18.81	18.59	19.35	19.94	18.05	18.81	18.59	19.35	19.94
	6H	18.92	19.58	19.48	20.14	20.75	18.92	19.58	19.48	20.14	20.75
	8H	19.24	19.86	19.81	20.42	21.03	19.24	19.86	19.81	20.42	21.03
	12H	19.50	20.05	20.09	20.64	21.26	19.50	20.05	20.09	20.64	21.26
8H	4H	18.37	18.99	18.95	19.55	20.17	18.37	18.99	18.95	19.55	20.17
	6H	19.38	19.89	19.98	20.50	21.12	19.38	19.89	19.98	20.50	21.12
	8H	19.79	20.25	20.41	20.87	21.50	19.79	20.25	20.41	20.87	21.50
	12H	20.15	20.56	20.77	21.16	21.87	20.15	20.56	20.77	21.16	21.87
12H	4H	18.40	18.95	18.99	19.55	20.17	18.40	18.95	18.99	19.55	20.17
	6H	19.44	19.90	20.06	20.52	21.16	19.44	19.90	20.06	20.52	21.16
	8H	19.91	20.32	20.53	20.92	21.63	19.91	20.32	20.53	20.92	21.63

END OF REPORT