

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: P1221263

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-TRWH-08 (3000K_L18_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221263
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

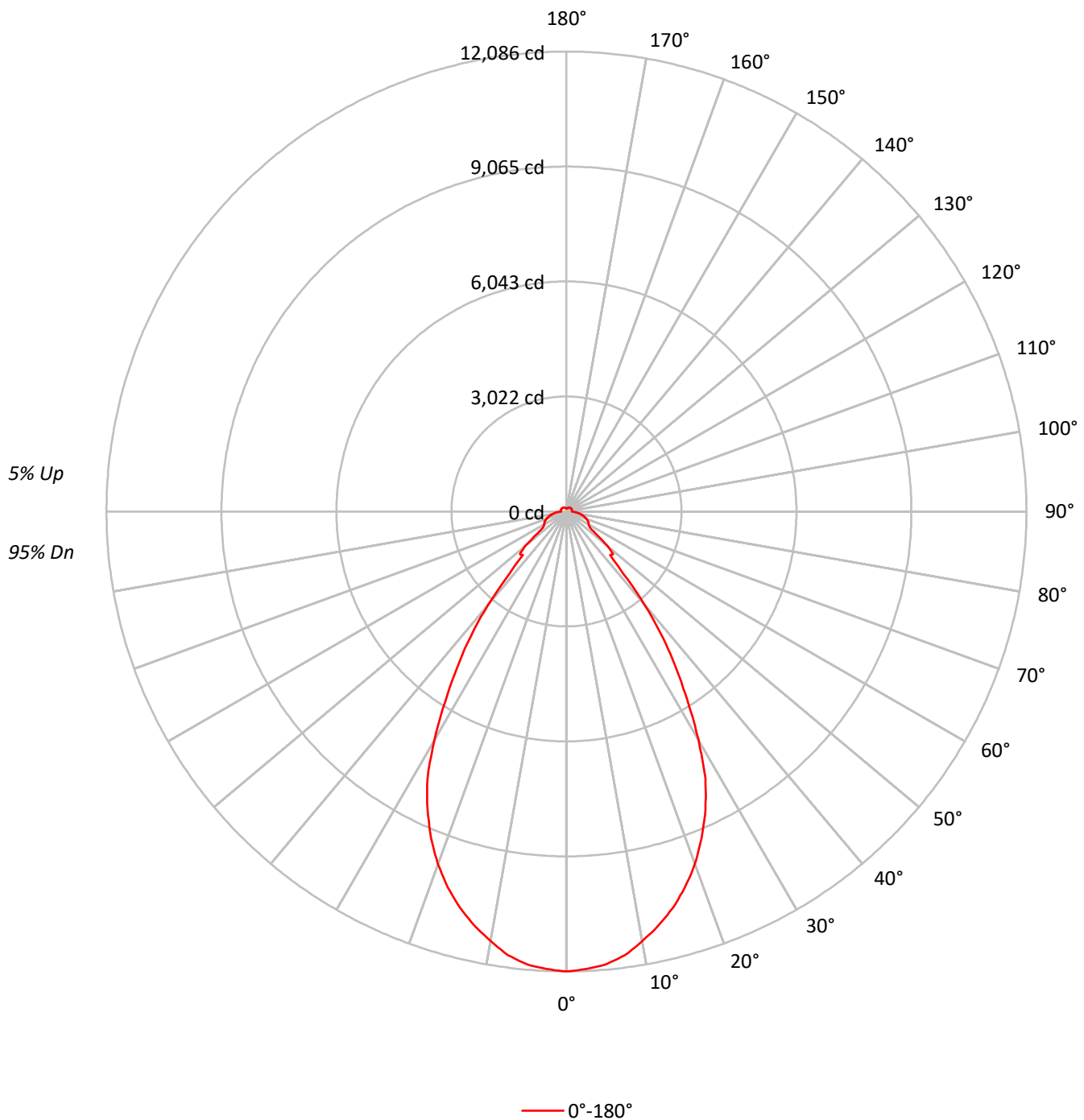
Lumens per Lamp: N/A
Luminaire Lumens: 15691.6 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 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	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°	66069
5°	62635
10°	58159
15°	53393
20°	48011
25°	41695
30°	33445
35°	24282
40°	15739
45°	8167
50°	7270
55°	4110
60°	3826
65°	3781
70°	3591
75°	3256
80°	2807
85°	2200

MAXIMUM LUMINANCE 45°-90°:

Luminance: 8492 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1125.4	7.2
10°-20°	3021.9	19.3
20°-30°	3923.2	25.0
30°-40°	3115.9	19.9
40°-50°	1491.7	9.5
50°-60°	773.6	4.9
60°-70°	617.8	3.9
70°-80°	487.0	3.1
80°-90°	272.3	1.7
90°-100°	158.2	1.0
100°-110°	158.7	1.0
110°-120°	148.5	0.9
120°-130°	129.1	0.8
130°-140°	104.8	0.7
140°-150°	78.2	0.5
150°-160°	51.5	0.3
160°-170°	26.4	0.2
170°-180°	7.3	0.0
0°-30°	8070.5	51.4
0°-40°	11186.5	71.3
0°-60°	13451.7	85.7
0°-90°	14828.8	94.5
90°-120°	465.4	3.0
90°-150°	777.6	5.0
90°-180°	863.0	5.5
0°-180°	15691.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12086	
5°	11949	###
15°	10789	3022
25°	8640	3923
35°	5004	3116
45°	1623	1492
55°	761	774
65°	628	618
75°	462	487
85°	250	227
90°	141	85
95°	145	119
105°	150	159
115°	150	148
125°	144	129
135°	135	105
145°	124	78
155°	111	52
165°	92	26
175°	76	7
180°	76	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12085.5
2.5°	12036.6
5°	11949.1
7.5°	11762.8
10°	11467.3
12.5°	11151.4
15°	10789.0
17.5°	10361.7
20°	9862.9
22.5°	9289.1
25°	8640.3
27.5°	7908.5
30°	6938.1
32.5°	5931.4
35°	5004.2
37.5°	4124.7
40°	3197.5
42.5°	2202.1
45°	1622.6
47.5°	1663.5
50°	1401.0
52.5°	971.5
55°	761.3
57.5°	703.4
60°	674.9
62.5°	654.5
65°	628.4
67.5°	594.3
70°	555.6
72.5°	511.3
75°	462.5
77.5°	412.5
80°	360.2
82.5°	306.8
85°	250.0
87.5°	192.0
90°	140.9
92.5°	143.2
95°	145.4
97.5°	146.6
100°	148.9
102.5°	150.0
105°	150.0
107.5°	150.0
110°	151.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	150.0
115°	150.0
117.5°	148.9
120°	147.7
122.5°	145.4
125°	144.3
127.5°	142.0
130°	139.8
132.5°	137.5
135°	135.2
137.5°	132.9
140°	130.7
142.5°	127.3
145°	123.9
147.5°	121.6
150°	118.2
152.5°	114.8
155°	111.4
157.5°	106.8
160°	102.3
162.5°	97.7
165°	92.0
167.5°	86.4
170°	80.7
172.5°	75.0
175°	76.1
177.5°	76.1
180°	76.1

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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	12.23	13.38	12.69	13.81	14.27	12.23	13.38	12.69	13.81	14.27
	3H	14.52	15.55	15.00	16.00	16.50	14.52	15.55	15.00	16.00	16.50
	4H	15.44	16.41	15.94	16.87	17.39	15.44	16.41	15.94	16.87	17.39
	6H	16.19	17.08	16.70	17.56	18.09	16.19	17.08	16.70	17.56	18.09
	8H	16.48	17.32	17.00	17.82	18.36	16.48	17.32	17.00	17.82	18.36
	12H	16.70	17.51	17.23	18.00	18.56	16.70	17.51	17.23	18.00	18.56
4H	2H	12.88	13.85	13.38	14.31	14.83	12.88	13.85	13.38	14.31	14.83
	3H	15.35	16.15	15.86	16.66	17.20	15.35	16.15	15.86	16.66	17.20
	4H	16.39	17.11	16.92	17.63	18.21	16.39	17.11	16.92	17.63	18.21
	6H	17.27	17.90	17.82	18.44	19.04	17.27	17.90	17.82	18.44	19.04
	8H	17.61	18.20	18.17	18.74	19.34	17.61	18.20	18.17	18.74	19.34
	12H	17.89	18.41	18.47	18.99	19.59	17.89	18.41	18.47	18.99	19.59
8H	4H	16.70	17.29	17.26	17.83	18.43	16.70	17.29	17.26	17.83	18.43
	6H	17.72	18.21	18.32	18.80	19.41	17.72	18.21	18.32	18.80	19.41
	8H	18.16	18.60	18.77	19.20	19.82	18.16	18.60	18.77	19.20	19.82
	12H	18.56	18.94	19.16	19.53	20.22	18.56	18.94	19.16	19.53	20.22
12H	4H	16.73	17.25	17.31	17.83	18.43	16.73	17.25	17.31	17.83	18.43
	6H	17.79	18.23	18.40	18.83	19.45	17.79	18.23	18.40	18.83	19.45
	8H	18.30	18.68	18.90	19.26	19.96	18.30	18.68	18.90	19.26	19.96

END OF REPORT