

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: P1221218

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

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221218
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 (3000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

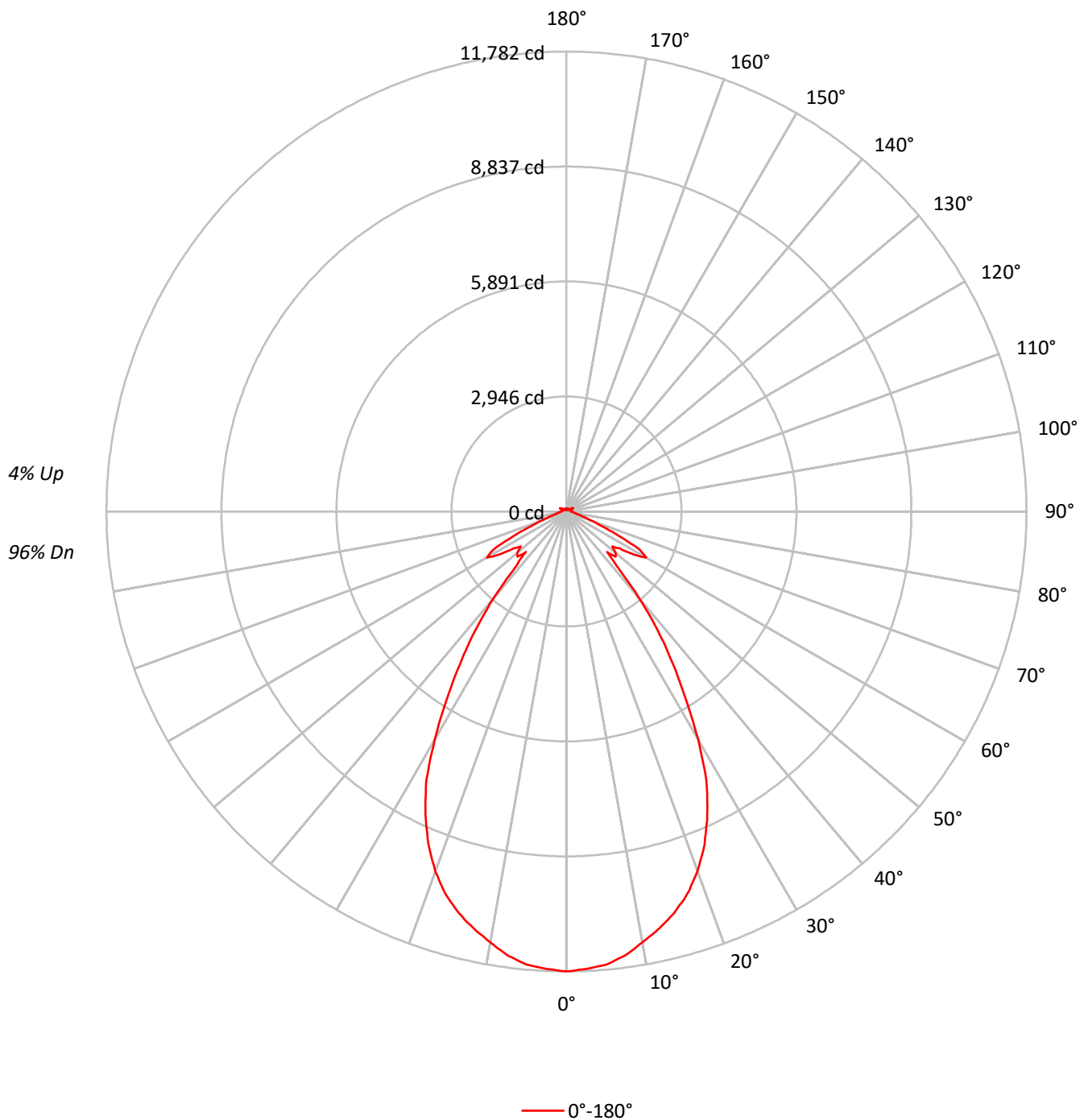
Lumens per Lamp: N/A
Luminaire Lumens: 16634.9 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 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
RCR																	
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87
2	102	95	90	85	99	93	88	84	89	85	82	86	82	79	82	79	77
3	95	86	80	74	92	85	78	73	81	76	72	78	74	70	75	72	68
4	88	78	71	66	86	77	70	65	74	68	64	72	67	63	69	65	61
5	83	72	64	59	80	71	64	58	68	62	57	66	61	56	64	59	56
6	77	66	59	53	75	65	58	53	63	57	52	61	56	51	59	54	51
7	73	61	54	48	71	60	53	48	59	52	48	57	51	47	55	50	47
8	69	57	50	45	67	56	49	44	55	48	44	53	48	43	52	47	43
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	64411
5°	61081
10°	56845
15°	52712
20°	47762
25°	41223
30°	32481
35°	22936
40°	14223
45°	7418
50°	8520
55°	8863
60°	13380
65°	8985
70°	4194
75°	2295
80°	1700
85°	1420

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 60°
Luminance: 13380 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1098.1	6.6
10°-20°	2984.7	17.9
20°-30°	3872.2	23.3
30°-40°	2946.2	17.7
40°-50°	1421.0	8.5
50°-60°	1621.5	9.7
60°-70°	1496.1	9.0
70°-80°	385.9	2.3
80°-90°	179.7	1.1
90°-100°	124.6	0.7
100°-110°	114.9	0.7
110°-120°	160.8	1.0
120°-130°	97.7	0.6
130°-140°	37.2	0.2
140°-150°	36.0	0.2
150°-160°	36.4	0.2
160°-170°	18.1	0.1
170°-180°	3.8	0.0
0°-30°	7955.0	47.8
0°-40°	10901.2	65.5
0°-60°	13943.7	83.8
0°-90°	16005.4	96.2
90°-120°	400.3	2.4
90°-150°	571.1	3.4
90°-180°	630.0	3.8
0°-180°	16634.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11782	
5°	11652	###
15°	10652	2985
25°	8542	3872
35°	4727	2946
45°	1474	1421
55°	1642	1621
65°	1493	1496
75°	326	386
85°	161	144
90°	123	69
95°	111	92
105°	109	115
115°	188	161
125°	106	98
135°	44	37
145°	58	36
155°	81	36
165°	62	18
175°	39	4
180°	36	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11782.1
2.5°	11732.1
5°	11652.5
7.5°	11476.4
10°	11208.2
12.5°	10950.3
15°	10651.5
17.5°	10284.4
20°	9811.8
22.5°	9234.5
25°	8542.5
27.5°	7764.2
30°	6738.1
32.5°	5690.5
35°	4726.9
37.5°	3824.7
40°	2889.6
42.5°	1944.2
45°	1473.8
47.5°	1707.8
50°	1641.9
52.5°	1474.9
55°	1641.9
57.5°	2077.1
60°	2360.0
62.5°	2099.8
65°	1493.1
67.5°	980.6
70°	648.8
72.5°	448.8
75°	326.1
77.5°	256.8
80°	218.2
82.5°	187.5
85°	161.4
87.5°	139.8
90°	122.7
92.5°	115.9
95°	111.4
97.5°	111.4
100°	113.6
102.5°	114.8
105°	109.1
107.5°	100.0
110°	106.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	145.4
115°	187.5
117.5°	184.1
120°	157.9
122.5°	131.8
125°	105.7
127.5°	82.9
130°	64.8
132.5°	52.3
135°	44.3
137.5°	40.9
140°	42.0
142.5°	48.9
145°	58.0
147.5°	67.0
150°	73.9
152.5°	78.4
155°	80.7
157.5°	80.7
160°	77.3
162.5°	71.6
165°	62.5
167.5°	53.4
170°	45.5
172.5°	39.8
175°	38.6
177.5°	36.4
180°	36.4

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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	19.59	20.87	20.03	21.27	21.68	19.59	20.87	20.03	21.27	21.68
	3H	20.19	21.33	20.63	21.74	22.20	20.19	21.33	20.63	21.74	22.20
	4H	20.23	21.30	20.69	21.73	22.20	20.23	21.30	20.69	21.73	22.20
	6H	20.23	21.21	20.71	21.66	22.15	20.23	21.21	20.71	21.66	22.15
	8H	20.22	21.16	20.71	21.62	22.12	20.22	21.16	20.71	21.62	22.12
	12H	20.21	21.11	20.71	21.57	22.09	20.21	21.11	20.71	21.57	22.09
4H	2H	19.99	21.07	20.46	21.49	21.97	19.99	21.07	20.46	21.49	21.97
	3H	20.60	21.49	21.08	21.97	22.46	20.60	21.49	21.08	21.97	22.46
	4H	20.66	21.46	21.16	21.95	22.48	20.66	21.46	21.16	21.95	22.48
	6H	20.69	21.39	21.22	21.90	22.45	20.69	21.39	21.22	21.90	22.45
	8H	20.70	21.34	21.23	21.86	22.42	20.70	21.34	21.23	21.86	22.42
	12H	20.71	21.28	21.26	21.83	22.39	20.71	21.28	21.26	21.83	22.39
8H	4H	20.60	21.25	21.13	21.76	22.32	20.60	21.25	21.13	21.76	22.32
	6H	20.66	21.19	21.23	21.75	22.32	20.66	21.19	21.23	21.75	22.32
	8H	20.69	21.16	21.27	21.74	22.31	20.69	21.16	21.27	21.74	22.31
	12H	20.74	21.14	21.32	21.71	22.36	20.74	21.14	21.32	21.71	22.36
12H	4H	20.57	21.14	21.12	21.69	22.25	20.57	21.14	21.12	21.69	22.25
	6H	20.63	21.10	21.21	21.67	22.25	20.63	21.10	21.21	21.67	22.25
	8H	20.69	21.09	21.26	21.65	22.31	20.69	21.09	21.26	21.65	22.31

END OF REPORT