

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: P1221253

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (6500K_L18_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221253
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-15)
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 (6500K_L18_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

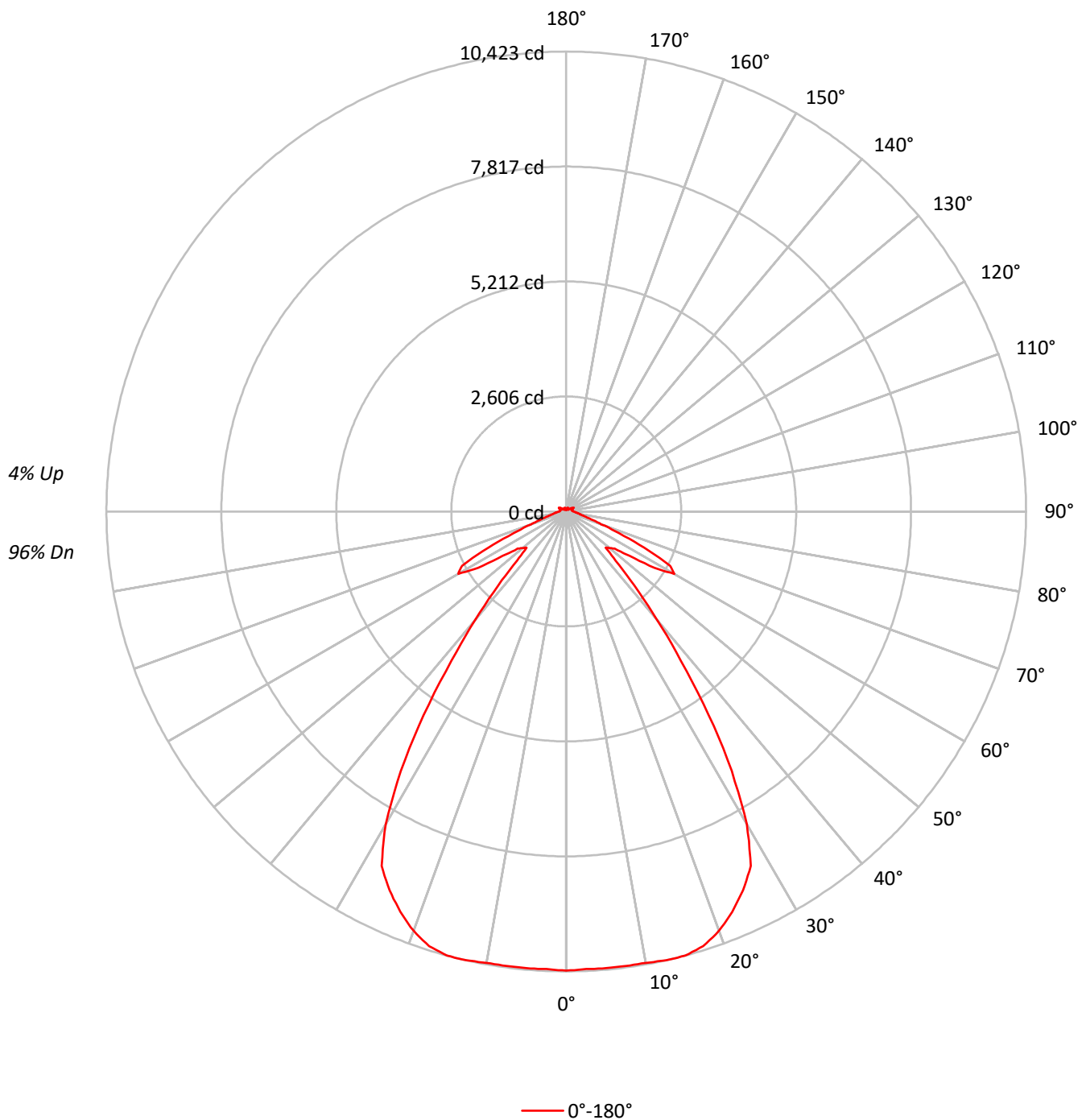
Lumens per Lamp: N/A
Luminaire Lumens: 18200.0 lumens
Efficiency: N/A
Efficacy: 148.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.04
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 122.6
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	103	103	103	98	98	98	96							
1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	90	88	86	84							
2	101	95	89	84	99	92	87	83	88	84	80	85	81	78	81	78	76	73							
3	94	85	78	73	91	83	77	72	80	75	70	77	72	68	74	70	67	65							
4	87	77	70	64	85	76	69	63	73	67	62	70	65	61	68	63	60	58							
5	81	70	63	57	79	69	62	56	67	60	56	64	59	55	62	58	54	52							
6	76	65	57	51	74	64	56	51	61	55	50	59	54	50	58	53	49	47							
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	54	49	45	43							
8	67	55	48	43	66	54	47	42	53	47	42	51	46	42	50	45	41	39							
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	36							
10	60	48	41	36	59	47	41	36	46	40	36	45	40	36	44	39	35	34							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56888
5°	54466
10°	52674
15°	51579
20°	49250
25°	45730
30°	39472
35°	27329
40°	15726
45°	7935
50°	6679
55°	9505
60°	16033
65°	11738
70°	5502
75°	3034
80°	2267
85°	1881

MAXIMUM LUMINANCE 45°-90°:

Luminance: 16033 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	991.7	5.4
10°-20°	2932.3	16.1
20°-30°	4317.0	23.7
30°-40°	3481.2	19.1
40°-50°	1394.4	7.7
50°-60°	1713.8	9.4
60°-70°	1904.6	10.5
70°-80°	508.8	2.8
80°-90°	237.5	1.3
90°-100°	157.1	0.9
100°-110°	139.4	0.8
110°-120°	167.3	0.9
120°-130°	104.0	0.6
130°-140°	41.6	0.2
140°-150°	42.7	0.2
150°-160°	41.7	0.2
160°-170°	20.8	0.1
170°-180°	4.2	0.0
0°-30°	8241.0	45.3
0°-40°	11722.2	64.4
0°-60°	14830.4	81.5
0°-90°	17481.2	96.1
90°-120°	463.8	2.5
90°-150°	652.1	3.6
90°-180°	719.0	4.0
0°-180°	18200.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10406	
5°	10391	992
15°	10423	2932
25°	9476	4317
35°	5632	3481
45°	1577	1394
55°	1761	1714
65°	1951	1905
75°	431	509
85°	214	191
90°	158	88
95°	140	115
105°	135	139
115°	190	167
125°	113	104
135°	50	42
145°	70	43
155°	91	42
165°	72	21
175°	40	4
180°	37	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10406.0
2.5°	10382.3
5°	10390.6
7.5°	10390.6
10°	10385.8
12.5°	10420.3
15°	10422.6
17.5°	10330.0
20°	10117.5
22.5°	9823.1
25°	9476.4
27.5°	9060.9
30°	8188.3
32.5°	6978.5
35°	5632.2
37.5°	4266.9
40°	3194.8
42.5°	2280.7
45°	1576.6
47.5°	1213.3
50°	1287.0
52.5°	1384.3
55°	1760.7
57.5°	2373.3
60°	2828.0
62.5°	2654.6
65°	1950.6
67.5°	1288.1
70°	851.2
72.5°	590.1
75°	431.0
77.5°	339.5
80°	290.9
82.5°	250.5
85°	213.7
87.5°	182.8
90°	157.9
92.5°	147.2
95°	140.1
97.5°	138.9
100°	141.3
102.5°	142.5
105°	135.3
107.5°	118.7
110°	118.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	154.3
115°	190.0
117.5°	188.8
120°	166.2
122.5°	140.1
125°	112.8
127.5°	89.0
130°	70.0
132.5°	58.2
135°	49.9
137.5°	46.3
140°	48.7
142.5°	57.0
145°	70.0
147.5°	80.7
150°	86.7
152.5°	90.2
155°	91.4
157.5°	91.4
160°	87.9
162.5°	81.9
165°	72.4
167.5°	61.7
170°	51.1
172.5°	43.9
175°	40.4
177.5°	38.0
180°	36.8

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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	20.21	21.50	20.64	21.90	22.32	20.21	21.50	20.64	21.90	22.32
	3H	21.00	22.16	21.45	22.58	23.04	21.00	22.16	21.45	22.58	23.04
	4H	21.07	22.16	21.54	22.59	23.07	21.07	22.16	21.54	22.59	23.07
	6H	21.09	22.10	21.57	22.55	23.04	21.09	22.10	21.57	22.55	23.04
	8H	21.10	22.05	21.59	22.52	23.02	21.10	22.05	21.59	22.52	23.02
	12H	21.10	22.01	21.60	22.47	23.00	21.10	22.01	21.60	22.47	23.00
4H	2H	20.77	21.86	21.24	22.29	22.77	20.77	21.86	21.24	22.29	22.77
	3H	21.54	22.45	22.02	22.93	23.43	21.54	22.45	22.02	22.93	23.43
	4H	21.63	22.45	22.13	22.94	23.48	21.63	22.45	22.13	22.94	23.48
	6H	21.69	22.40	22.22	22.92	23.48	21.69	22.40	22.22	22.92	23.48
	8H	21.71	22.37	22.24	22.89	23.45	21.71	22.37	22.24	22.89	23.45
	12H	21.73	22.32	22.28	22.87	23.44	21.73	22.32	22.28	22.87	23.44
8H	4H	21.59	22.26	22.13	22.77	23.34	21.59	22.26	22.13	22.77	23.34
	6H	21.69	22.23	22.25	22.79	23.36	21.69	22.23	22.25	22.79	23.36
	8H	21.74	22.21	22.32	22.79	23.37	21.74	22.21	22.32	22.79	23.37
	12H	21.81	22.22	22.38	22.78	23.44	21.81	22.22	22.38	22.78	23.44
12H	4H	21.56	22.15	22.11	22.70	23.27	21.56	22.15	22.11	22.70	23.27
	6H	21.66	22.14	22.25	22.72	23.30	21.66	22.14	22.25	22.72	23.30
	8H	21.74	22.15	22.32	22.72	23.37	21.74	22.15	22.32	22.72	23.37