

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: P1221319

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (4000K_L12_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221319
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (4000K_L12_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

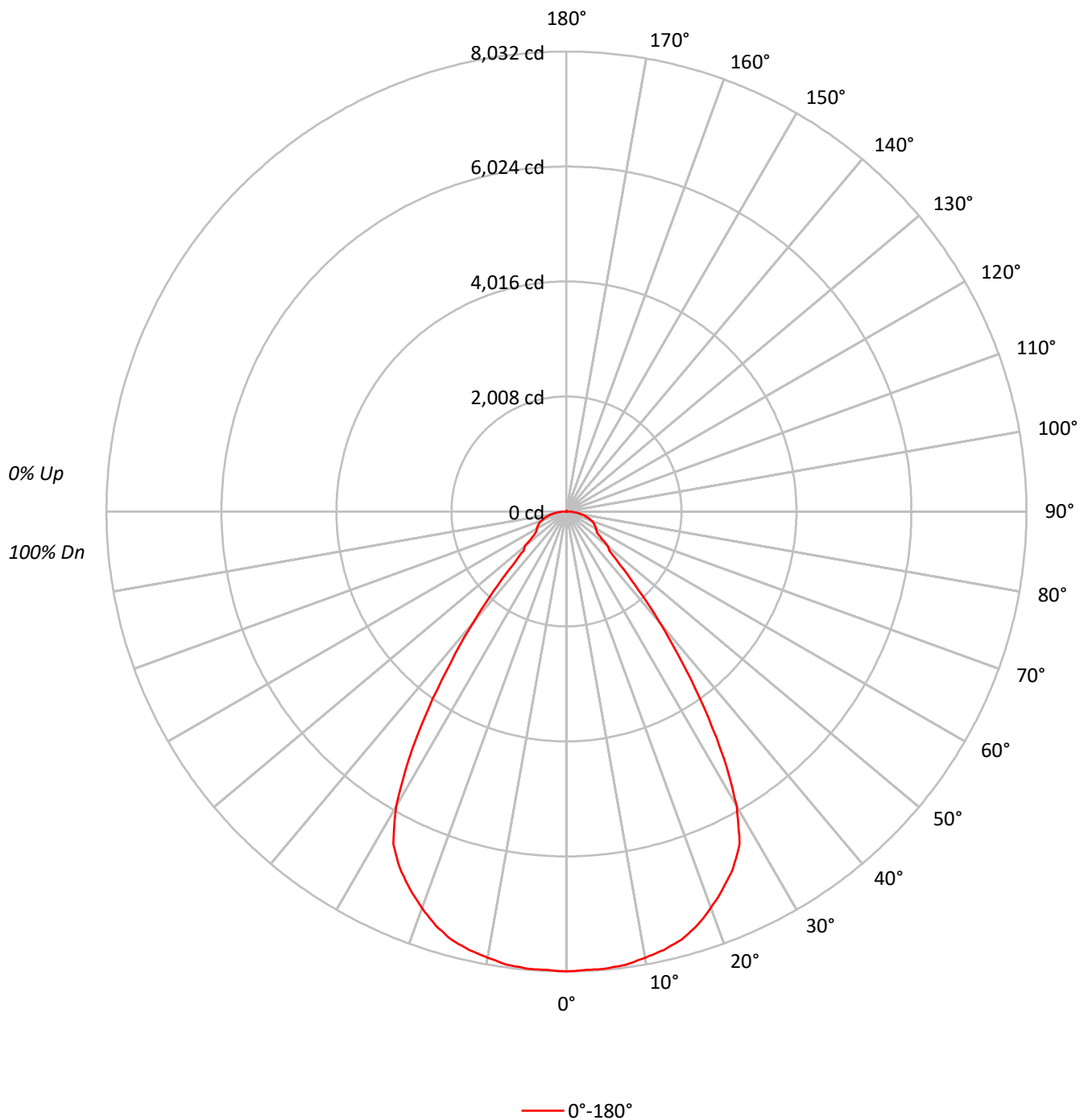
Lumens per Lamp: N/A
Luminaire Lumens: 11498.3 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 80.1
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	108	104	102	109	105	103	100	101	99	97	97	96	94	94	92	91
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	81
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	47
9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	43912
5°	41998
10°	40135
15°	38325
20°	35886
25°	33203
30°	28656
35°	20334
40°	12508
45°	6633
50°	4920
55°	3557
60°	3374
65°	3243
70°	2973
75°	2555
80°	1921
85°	1040

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6633 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	761.7	6.6
10°-20°	2176.0	18.9
20°-30°	3132.0	27.2
30°-40°	2605.0	22.7
40°-50°	1132.9	9.9
50°-60°	629.2	5.5
60°-70°	530.1	4.6
70°-80°	379.3	3.3
80°-90°	131.1	1.1
90°-100°	1.9	0.0
100°-110°	1.0	0.0
110°-120°	1.6	0.0
120°-130°	1.8	0.0
130°-140°	2.9	0.0
140°-150°	4.4	0.0
150°-160°	4.1	0.0
160°-170°	2.4	0.0
170°-180°	0.9	0.0
0°-30°	6069.8	52.8
0°-40°	8674.7	75.4
0°-60°	10436.8	90.8
0°-90°	11477.2	99.8
90°-120°	4.5	0.0
90°-150°	13.6	0.1
90°-180°	21.0	0.2
0°-180°	11498.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8032	
5°	8012	762
15°	7744	2176
25°	6880	3132
35°	4191	2605
45°	1318	1133
55°	659	629
65°	539	530
75°	363	379
85°	118	123
90°	8	9
95°	1	1
105°	1	1
115°	2	2
125°	2	2
135°	3	3
145°	7	4
155°	8	4
165°	8	2
175°	9	1
180°	9	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8032.5
2.5°	8015.5
5°	8012.1
7.5°	7980.7
10°	7913.5
12.5°	7843.8
15°	7744.3
17.5°	7583.6
20°	7372.0
22.5°	7137.3
25°	6880.5
27.5°	6545.6
30°	5944.5
32.5°	5117.3
35°	4190.6
37.5°	3308.1
40°	2541.2
42.5°	1863.6
45°	1317.8
47.5°	1015.1
50°	948.0
52.5°	766.9
55°	658.9
57.5°	620.6
60°	595.1
62.5°	570.5
65°	539.0
67.5°	502.5
70°	460.0
72.5°	414.0
75°	363.0
77.5°	306.9
80°	246.6
82.5°	183.6
85°	118.2
87.5°	52.7
90°	7.7
92.5°	0.9
95°	0.9
97.5°	0.9
100°	0.9
102.5°	0.9
105°	0.9
107.5°	0.9
110°	0.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	1.7
115°	1.7
117.5°	1.7
120°	1.7
122.5°	1.7
125°	1.7
127.5°	2.6
130°	2.6
132.5°	3.4
135°	3.4
137.5°	4.3
140°	5.1
142.5°	6.0
145°	6.8
147.5°	8.5
150°	9.4
152.5°	9.4
155°	8.5
157.5°	8.5
160°	8.5
162.5°	8.5
165°	8.5
167.5°	8.5
170°	9.4
172.5°	9.4
175°	9.4
177.5°	9.4
180°	9.4

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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	12.67	13.91	13.04	14.23	14.55	12.67	13.91	13.04	14.23	14.55
	3H	14.79	15.90	15.18	16.23	16.61	14.79	15.90	15.18	16.23	16.61
	4H	15.59	16.62	15.99	16.97	17.36	15.59	16.62	15.99	16.97	17.36
	6H	16.13	17.08	16.55	17.46	17.86	16.13	17.08	16.55	17.46	17.86
	8H	16.29	17.18	16.72	17.58	17.99	16.29	17.18	16.72	17.58	17.99
	12H	16.36	17.22	16.79	17.60	18.04	16.36	17.22	16.79	17.60	18.04
4H	2H	13.29	14.32	13.70	14.68	15.07	13.29	14.32	13.70	14.68	15.07
	3H	15.58	16.43	15.99	16.84	17.25	15.58	16.43	15.99	16.84	17.25
	4H	16.47	17.24	16.91	17.66	18.11	16.47	17.24	16.91	17.66	18.11
	6H	17.13	17.79	17.59	18.24	18.71	17.13	17.79	17.59	18.24	18.71
	8H	17.31	17.93	17.78	18.38	18.86	17.31	17.93	17.78	18.38	18.86
	12H	17.41	17.96	17.90	18.45	18.93	17.41	17.96	17.90	18.45	18.93
8H	4H	16.73	17.35	17.20	17.80	18.27	16.73	17.35	17.20	17.80	18.27
	6H	17.48	17.99	17.99	18.49	18.98	17.48	17.99	17.99	18.49	18.98
	8H	17.73	18.18	18.26	18.70	19.20	17.73	18.18	18.26	18.70	19.20
	12H	17.89	18.29	18.41	18.79	19.36	17.89	18.29	18.41	18.79	19.36
12H	4H	16.73	17.28	17.22	17.77	18.25	16.73	17.28	17.22	17.77	18.25
	6H	17.51	17.96	18.04	18.48	18.98	17.51	17.96	18.04	18.48	18.98
	8H	17.80	18.20	18.32	18.70	19.28	17.80	18.20	18.32	18.70	19.28