

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: P1221214

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3000K_L16_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221214
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 (3000K_L16_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

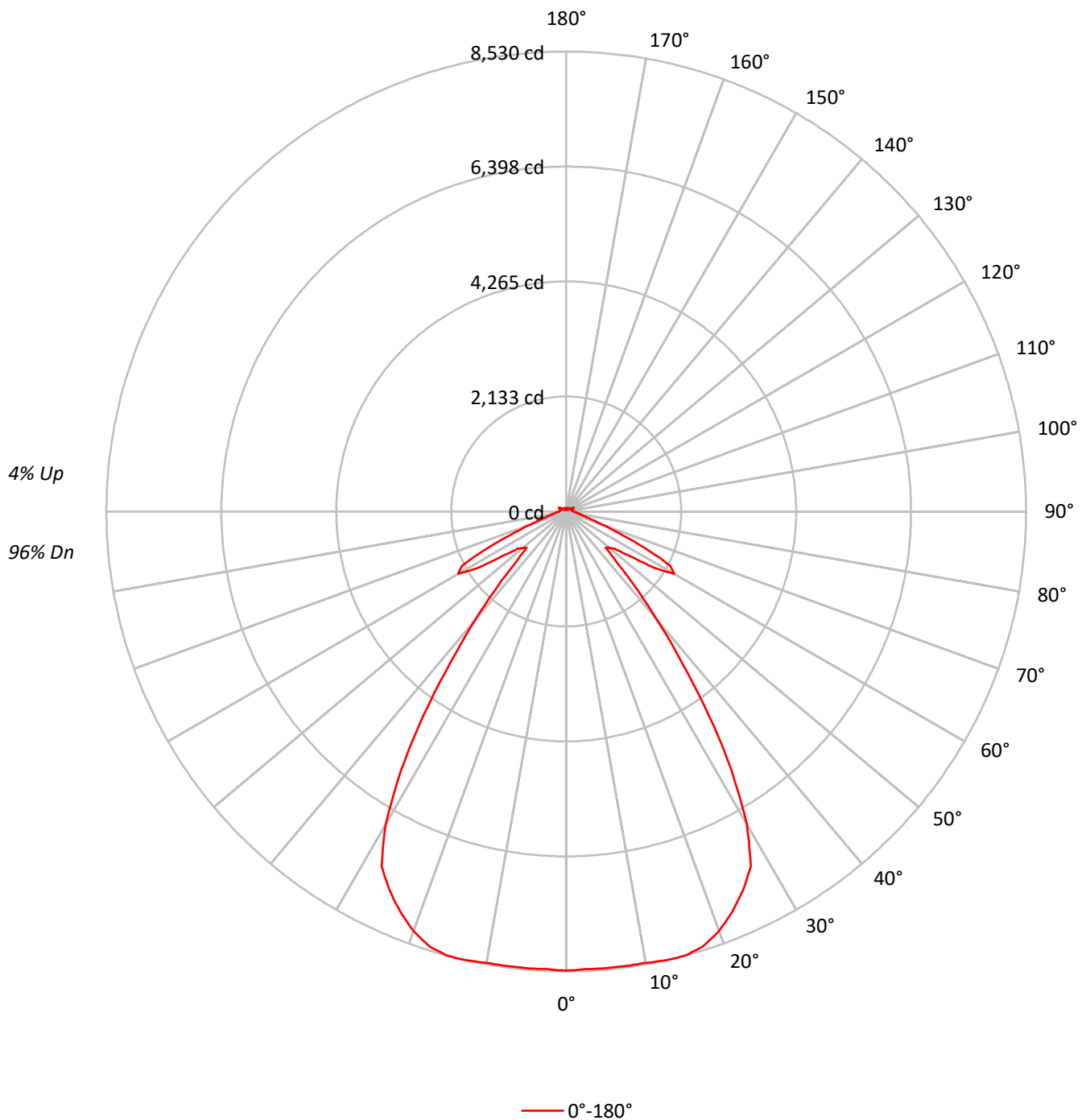
Lumens per Lamp: N/A
Luminaire Lumens: 14895.7 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.04
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 101.5
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	98	98	98	98	98			
1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	90	88	86	86	86	86	86	84			
2	101	95	89	84	99	92	87	83	88	84	80	85	81	78	81	78	76	76	76	76	76	73			
3	94	85	78	73	91	83	77	72	80	75	70	77	72	68	74	70	67	67	67	67	67	65			
4	87	77	70	64	85	76	69	63	73	67	62	70	65	61	68	63	60	60	60	60	60	58			
5	81	70	63	57	79	69	62	56	67	60	56	64	59	55	62	58	54	54	54	54	54	52			
6	76	65	57	51	74	64	56	51	61	55	50	59	54	50	58	53	49	49	49	49	49	47			
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	54	49	45	45	45	45	45	43			
8	67	55	48	43	66	54	47	42	53	47	42	51	46	42	50	45	41	41	41	41	41	39			
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	38	38	38	38	36			
10	60	48	41	36	59	47	41	36	46	40	36	45	40	36	44	39	35	35	35	35	35	34			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	46560
5°	44577
10°	43111
15°	42215
20°	40309
25°	37427
30°	32306
35°	22367
40°	12871
45°	6495
50°	5466
55°	7779
60°	13122
65°	9607
70°	4503
75°	2483
80°	1855
85°	1539

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 60°

Luminance: 13122 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	811.6	5.4
10°-20°	2399.9	16.1
20°-30°	3533.2	23.7
30°-40°	2849.2	19.1
40°-50°	1141.2	7.7
50°-60°	1402.6	9.4
60°-70°	1558.8	10.5
70°-80°	416.4	2.8
80°-90°	194.4	1.3
90°-100°	128.6	0.9
100°-110°	114.1	0.8
110°-120°	136.9	0.9
120°-130°	85.1	0.6
130°-140°	34.0	0.2
140°-150°	35.0	0.2
150°-160°	34.1	0.2
160°-170°	17.0	0.1
170°-180°	3.4	0.0
0°-30°	6744.8	45.3
0°-40°	9594.0	64.4
0°-60°	12137.8	81.5
0°-90°	14307.4	96.1
90°-120°	379.6	2.5
90°-150°	533.8	3.6
90°-180°	588.0	3.9
0°-180°	14895.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8517	
5°	8504	812
15°	8530	2400
25°	7756	3533
35°	4610	2849
45°	1290	1141
55°	1441	1403
65°	1596	1559
75°	353	416
85°	175	156
90°	129	72
95°	115	94
105°	111	114
115°	156	137
125°	92	85
135°	41	34
145°	57	35
155°	75	34
165°	59	17
175°	33	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8516.8
2.5°	8497.3
5°	8504.1
7.5°	8504.1
10°	8500.2
12.5°	8528.4
15°	8530.4
17.5°	8454.6
20°	8280.6
22.5°	8039.7
25°	7755.9
27.5°	7415.9
30°	6701.7
32.5°	5711.5
35°	4609.6
37.5°	3492.2
40°	2614.8
42.5°	1866.6
45°	1290.4
47.5°	993.1
50°	1053.3
52.5°	1133.0
55°	1441.0
57.5°	1942.4
60°	2314.5
62.5°	2172.7
65°	1596.5
67.5°	1054.3
70°	696.7
72.5°	482.9
75°	352.7
77.5°	277.9
80°	238.1
82.5°	205.0
85°	174.9
87.5°	149.6
90°	129.2
92.5°	120.5
95°	114.7
97.5°	113.7
100°	115.6
102.5°	116.6
105°	110.8
107.5°	97.2
110°	97.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	126.3
115°	155.5
117.5°	154.5
120°	136.0
122.5°	114.7
125°	92.3
127.5°	72.9
130°	57.3
132.5°	47.6
135°	40.8
137.5°	37.9
140°	39.8
142.5°	46.6
145°	57.3
147.5°	66.1
150°	70.9
152.5°	73.8
155°	74.8
157.5°	74.8
160°	71.9
162.5°	67.0
165°	59.3
167.5°	50.5
170°	41.8
172.5°	36.0
175°	33.0
177.5°	31.1
180°	30.1

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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	19.51	20.81	19.94	21.20	21.62	19.51	20.81	19.94	21.20	21.62
	3H	20.30	21.47	20.75	21.88	22.34	20.30	21.47	20.75	21.88	22.34
	4H	20.37	21.47	20.84	21.90	22.38	20.37	21.47	20.84	21.90	22.38
	6H	20.40	21.40	20.88	21.85	22.34	20.40	21.40	20.88	21.85	22.34
	8H	20.40	21.36	20.89	21.83	22.32	20.40	21.36	20.89	21.83	22.32
	12H	20.40	21.32	20.90	21.78	22.30	20.40	21.32	20.90	21.78	22.30
4H	2H	20.07	21.16	20.54	21.60	22.07	20.07	21.16	20.54	21.60	22.07
	3H	20.85	21.76	21.33	22.24	22.74	20.85	21.76	21.33	22.24	22.74
	4H	20.93	21.75	21.43	22.25	22.78	20.93	21.75	21.43	22.25	22.78
	6H	21.00	21.71	21.52	22.22	22.78	21.00	21.71	21.52	22.22	22.78
	8H	21.01	21.67	21.55	22.19	22.75	21.01	21.67	21.55	22.19	22.75
	12H	21.04	21.62	21.59	22.17	22.74	21.04	21.62	21.59	22.17	22.74
8H	4H	20.90	21.56	21.43	22.08	22.64	20.90	21.56	21.43	22.08	22.64
	6H	20.99	21.53	21.56	22.10	22.67	20.99	21.53	21.56	22.10	22.67
	8H	21.04	21.52	21.62	22.10	22.68	21.04	21.52	21.62	22.10	22.68
	12H	21.11	21.52	21.69	22.08	22.74	21.11	21.52	21.69	22.08	22.74
12H	4H	20.87	21.45	21.42	22.01	22.57	20.87	21.45	21.42	22.01	22.57
	6H	20.97	21.44	21.55	22.02	22.60	20.97	21.44	21.55	22.02	22.60
	8H	21.05	21.46	21.62	22.02	22.68	21.05	21.46	21.62	22.02	22.68