

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: P1221244

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (5000K_L18_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221244
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 (5000K_L18_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

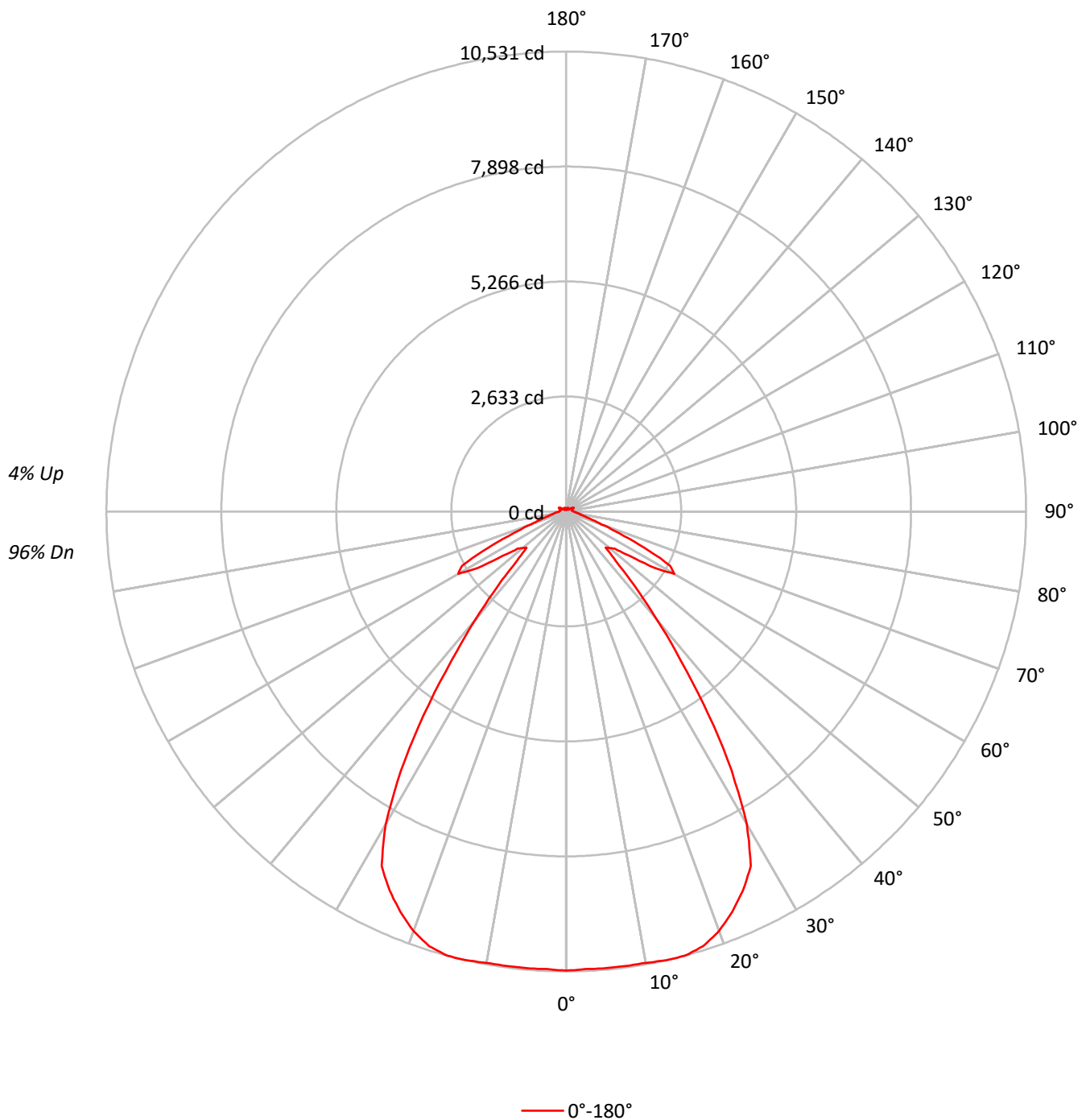
Lumens per Lamp: N/A
Luminaire Lumens: 18388.7 lumens
Efficiency: N/A
Efficacy: 154.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.04
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 119.4
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°	57478
5°	55031
10°	53220
15°	52114
20°	49761
25°	46204
30°	39881
35°	27613
40°	15888
45°	8018
50°	6748
55°	9603
60°	16199
65°	11859
70°	5559
75°	3065
80°	2290
85°	1900

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 60°

Luminance: 16199 cd/sgm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1002.0	5.4
10°-20°	2962.7	16.1
20°-30°	4361.8	23.7
30°-40°	3517.3	19.1
40°-50°	1408.8	7.7
50°-60°	1731.6	9.4
60°-70°	1924.4	10.5
70°-80°	514.0	2.8
80°-90°	240.0	1.3
90°-100°	158.7	0.9
100°-110°	140.8	0.8
110°-120°	169.0	0.9
120°-130°	105.1	0.6
130°-140°	42.1	0.2
140°-150°	43.2	0.2
150°-160°	42.1	0.2
160°-170°	21.0	0.1
170°-180°	4.2	0.0
0°-30°	8326.4	45.3
0°-40°	11843.7	64.4
0°-60°	14984.1	81.5
0°-90°	17662.5	96.1
90°-120°	468.5	2.5
90°-150°	658.9	3.6
90°-180°	726.0	3.9
0°-180°	18388.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10514	
5°	10498	###
15°	10531	2963
25°	9575	4362
35°	5691	3517
45°	1593	1409
55°	1779	1732
65°	1971	1924
75°	435	514
85°	216	193
90°	160	89
95°	142	116
105°	137	141
115°	192	169
125°	114	105
135°	50	42
145°	71	43
155°	92	42
165°	73	21
175°	41	4
180°	37	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10513.9
2.5°	10489.9
5°	10498.3
7.5°	10498.3
10°	10493.5
12.5°	10528.3
15°	10530.7
17.5°	10437.1
20°	10222.4
22.5°	9924.9
25°	9574.7
27.5°	9154.8
30°	8273.2
32.5°	7050.8
35°	5690.6
37.5°	4311.1
40°	3227.9
42.5°	2304.3
45°	1593.0
47.5°	1225.9
50°	1300.3
52.5°	1398.7
55°	1778.9
57.5°	2397.9
60°	2857.3
62.5°	2682.2
65°	1970.8
67.5°	1301.5
70°	860.1
72.5°	596.2
75°	435.4
77.5°	343.1
80°	293.9
82.5°	253.1
85°	215.9
87.5°	184.7
90°	159.5
92.5°	148.7
95°	141.5
97.5°	140.3
100°	142.7
102.5°	143.9
105°	136.7
107.5°	120.0
110°	120.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	155.9
115°	191.9
117.5°	190.7
120°	167.9
122.5°	141.5
125°	114.0
127.5°	90.0
130°	70.8
132.5°	58.8
135°	50.4
137.5°	46.8
140°	49.2
142.5°	57.6
145°	70.8
147.5°	81.6
150°	87.6
152.5°	91.2
155°	92.4
157.5°	92.4
160°	88.8
162.5°	82.8
165°	73.2
167.5°	62.4
170°	51.6
172.5°	44.4
175°	40.8
177.5°	38.4
180°	37.2

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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	20.24	21.54	20.68	21.94	22.35	20.24	21.54	20.68	21.94	22.35
	3H	21.04	22.20	21.48	22.61	23.08	21.04	22.20	21.48	22.61	23.08
	4H	21.10	22.20	21.57	22.63	23.11	21.10	22.20	21.57	22.63	23.11
	6H	21.13	22.13	21.61	22.58	23.07	21.13	22.13	21.61	22.58	23.07
	8H	21.13	22.09	21.63	22.56	23.06	21.13	22.09	21.63	22.56	23.06
	12H	21.13	22.05	21.63	22.51	23.04	21.13	22.05	21.63	22.51	23.04
4H	2H	20.80	21.90	21.27	22.33	22.81	20.80	21.90	21.27	22.33	22.81
	3H	21.58	22.49	22.06	22.97	23.47	21.58	22.49	22.06	22.97	23.47
	4H	21.66	22.49	22.17	22.98	23.51	21.66	22.49	22.17	22.98	23.51
	6H	21.73	22.44	22.25	22.96	23.51	21.73	22.44	22.25	22.96	23.51
	8H	21.75	22.41	22.28	22.93	23.49	21.75	22.41	22.28	22.93	23.49
	12H	21.77	22.35	22.32	22.91	23.47	21.77	22.35	22.32	22.91	23.47
8H	4H	21.63	22.29	22.16	22.81	23.37	21.63	22.29	22.16	22.81	23.37
	6H	21.72	22.26	22.29	22.83	23.40	21.72	22.26	22.29	22.83	23.40
	8H	21.77	22.25	22.36	22.83	23.41	21.77	22.25	22.36	22.83	23.41
	12H	21.84	22.25	22.42	22.81	23.47	21.84	22.25	22.42	22.81	23.47
12H	4H	21.60	22.19	22.15	22.74	23.30	21.60	22.19	22.15	22.74	23.30
	6H	21.70	22.17	22.28	22.75	23.34	21.70	22.17	22.28	22.75	23.34
	8H	21.78	22.19	22.36	22.75	23.41	21.78	22.19	22.36	22.75	23.41

END OF REPORT