

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: P1221217

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3000K_L18_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221217
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_L18_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

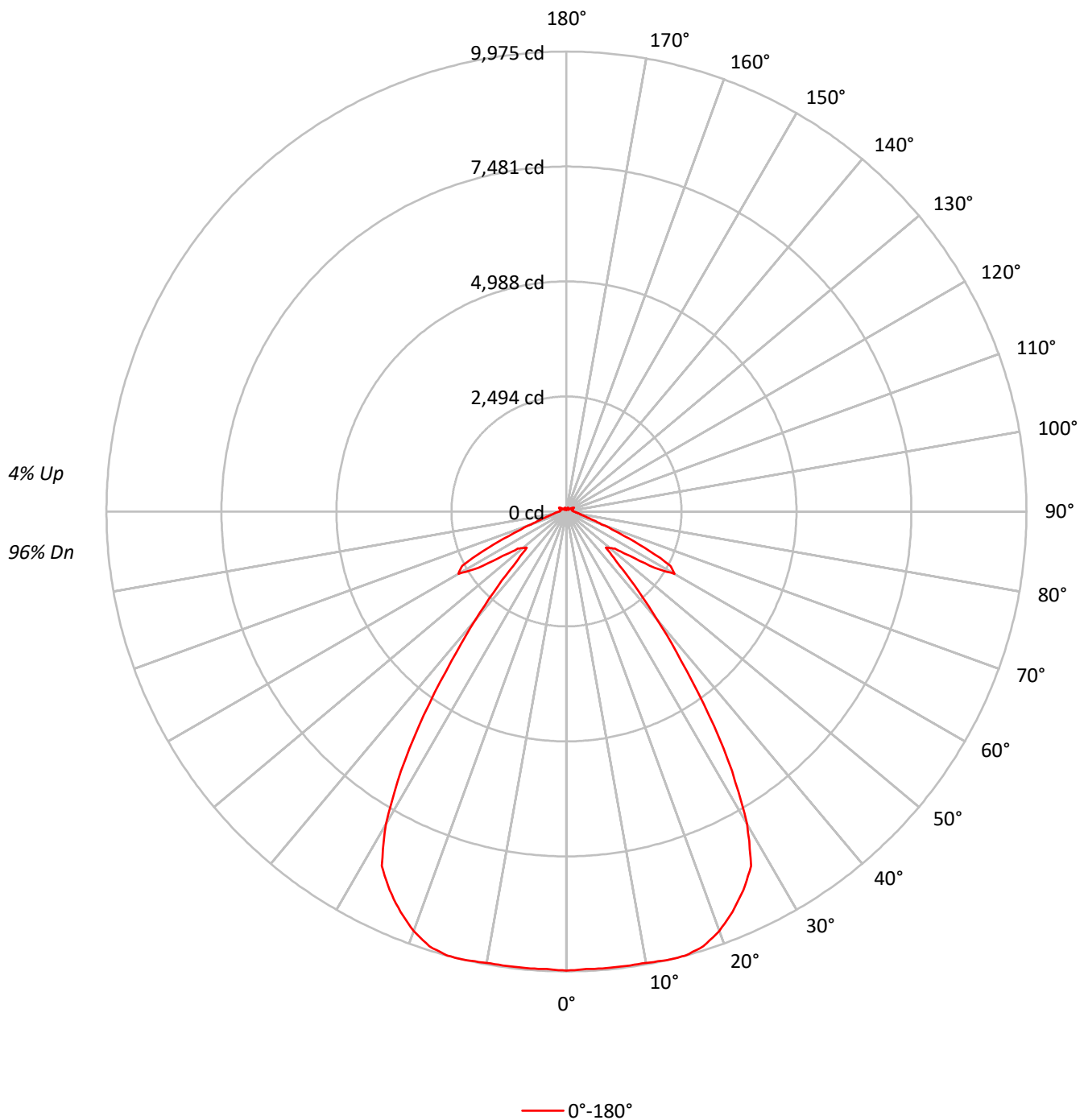
Lumens per Lamp: N/A
Luminaire Lumens: 17419.0 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.04
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 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	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	73	73			
3	94	85	78	73	91	83	77	72	80	75	70	77	72	68	74	70	67	67	67	67	65	65			
4	87	77	70	64	85	76	69	63	73	67	62	70	65	61	68	63	60	60	60	60	58	58			
5	81	70	63	57	79	69	62	56	67	60	56	64	59	55	62	58	54	54	54	52	52	52			
6	76	65	57	51	74	64	56	51	61	55	50	59	54	50	58	53	49	49	49	47	47	47			
7	71	60	52	47	70	59	51	46	57	50	46	55	49	45	54	49	45	45	45	43	43	43			
8	67	55	48	43	66	54	47	42	53	47	42	51	46	42	50	45	41	41	41	39	39	39			
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	38	38	36	36	36			
10	60	48	41	36	59	47	41	36	46	40	36	45	40	36	44	39	35	35	35	34	34	34			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	54447
5°	52129
10°	50414
15°	49366
20°	47137
25°	43768
30°	37778
35°	26156
40°	15051
45°	7595
50°	6392
55°	9096
60°	15345
65°	11234
70°	5266
75°	2904
80°	2169
85°	1800

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 60°

Luminance: 15345 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	949.1	5.4
10°-20°	2806.4	16.1
20°-30°	4131.8	23.7
30°-40°	3331.9	19.1
40°-50°	1334.5	7.7
50°-60°	1640.2	9.4
60°-70°	1822.9	10.5
70°-80°	486.9	2.8
80°-90°	227.3	1.3
90°-100°	150.3	0.9
100°-110°	133.4	0.8
110°-120°	160.1	0.9
120°-130°	99.6	0.6
130°-140°	39.8	0.2
140°-150°	40.9	0.2
150°-160°	39.9	0.2
160°-170°	19.9	0.1
170°-180°	4.0	0.0
0°-30°	7887.3	45.3
0°-40°	11219.2	64.4
0°-60°	14194.0	81.5
0°-90°	16731.1	96.1
90°-120°	443.8	2.5
90°-150°	624.1	3.6
90°-180°	688.0	3.9
0°-180°	17419.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9960	
5°	9945	949
15°	9975	2806
25°	9070	4132
35°	5390	3332
45°	1509	1335
55°	1685	1640
65°	1867	1823
75°	412	487
85°	204	183
90°	151	85
95°	134	110
105°	130	133
115°	182	160
125°	108	100
135°	48	40
145°	67	41
155°	88	40
165°	69	20
175°	39	4
180°	35	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9959.5
2.5°	9936.7
5°	9944.7
7.5°	9944.7
10°	9940.2
12.5°	9973.1
15°	9975.4
17.5°	9886.8
20°	9683.4
22.5°	9401.6
25°	9069.8
27.5°	8672.1
30°	7836.9
32.5°	6679.0
35°	5390.5
37.5°	4083.8
40°	3057.7
42.5°	2182.8
45°	1509.0
47.5°	1161.3
50°	1231.7
52.5°	1324.9
55°	1685.1
57.5°	2271.4
60°	2706.6
62.5°	2540.7
65°	1866.9
67.5°	1232.9
70°	814.7
72.5°	564.7
75°	412.5
77.5°	325.0
80°	278.4
82.5°	239.8
85°	204.5
87.5°	175.0
90°	151.1
92.5°	140.9
95°	134.1
97.5°	132.9
100°	135.2
102.5°	136.4
105°	129.5
107.5°	113.6
110°	113.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	147.7
115°	181.8
117.5°	180.7
120°	159.1
122.5°	134.1
125°	107.9
127.5°	85.2
130°	67.0
132.5°	55.7
135°	47.7
137.5°	44.3
140°	46.6
142.5°	54.5
145°	67.0
147.5°	77.3
150°	82.9
152.5°	86.4
155°	87.5
157.5°	87.5
160°	84.1
162.5°	78.4
165°	69.3
167.5°	59.1
170°	48.9
172.5°	42.0
175°	38.6
177.5°	36.4
180°	35.2

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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	20.05	21.35	20.49	21.75	22.16	20.05	21.35	20.49	21.75	22.16
	3H	20.85	22.01	21.30	22.43	22.89	20.85	22.01	21.30	22.43	22.89
	4H	20.92	22.01	21.39	22.44	22.92	20.92	22.01	21.39	22.44	22.92
	6H	20.94	21.95	21.42	22.40	22.89	20.94	21.95	21.42	22.40	22.89
	8H	20.94	21.90	21.44	22.37	22.87	20.94	21.90	21.44	22.37	22.87
	12H	20.95	21.86	21.44	22.32	22.85	20.95	21.86	21.44	22.32	22.85
4H	2H	20.62	21.71	21.08	22.14	22.62	20.62	21.71	21.08	22.14	22.62
	3H	21.39	22.30	21.87	22.78	23.28	21.39	22.30	21.87	22.78	23.28
	4H	21.48	22.30	21.98	22.79	23.33	21.48	22.30	21.98	22.79	23.33
	6H	21.54	22.25	22.07	22.77	23.32	21.54	22.25	22.07	22.77	23.32
	8H	21.56	22.22	22.09	22.74	23.30	21.56	22.22	22.09	22.74	23.30
	12H	21.58	22.17	22.13	22.72	23.28	21.58	22.17	22.13	22.72	23.28
8H	4H	21.44	22.10	21.97	22.62	23.18	21.44	22.10	21.97	22.62	23.18
	6H	21.54	22.07	22.10	22.64	23.21	21.54	22.07	22.10	22.64	23.21
	8H	21.58	22.06	22.17	22.64	23.22	21.58	22.06	22.17	22.64	23.22
	12H	21.65	22.06	22.23	22.63	23.28	21.65	22.06	22.23	22.63	23.28
12H	4H	21.41	22.00	21.96	22.55	23.11	21.41	22.00	21.96	22.55	23.11
	6H	21.51	21.99	22.09	22.57	23.15	21.51	21.99	22.09	22.57	23.15
	8H	21.59	22.00	22.17	22.56	23.22	21.59	22.00	22.17	22.56	23.22

END OF REPORT