

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: P1221232

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (4000K_L16_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221232
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 (4000K_L16_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

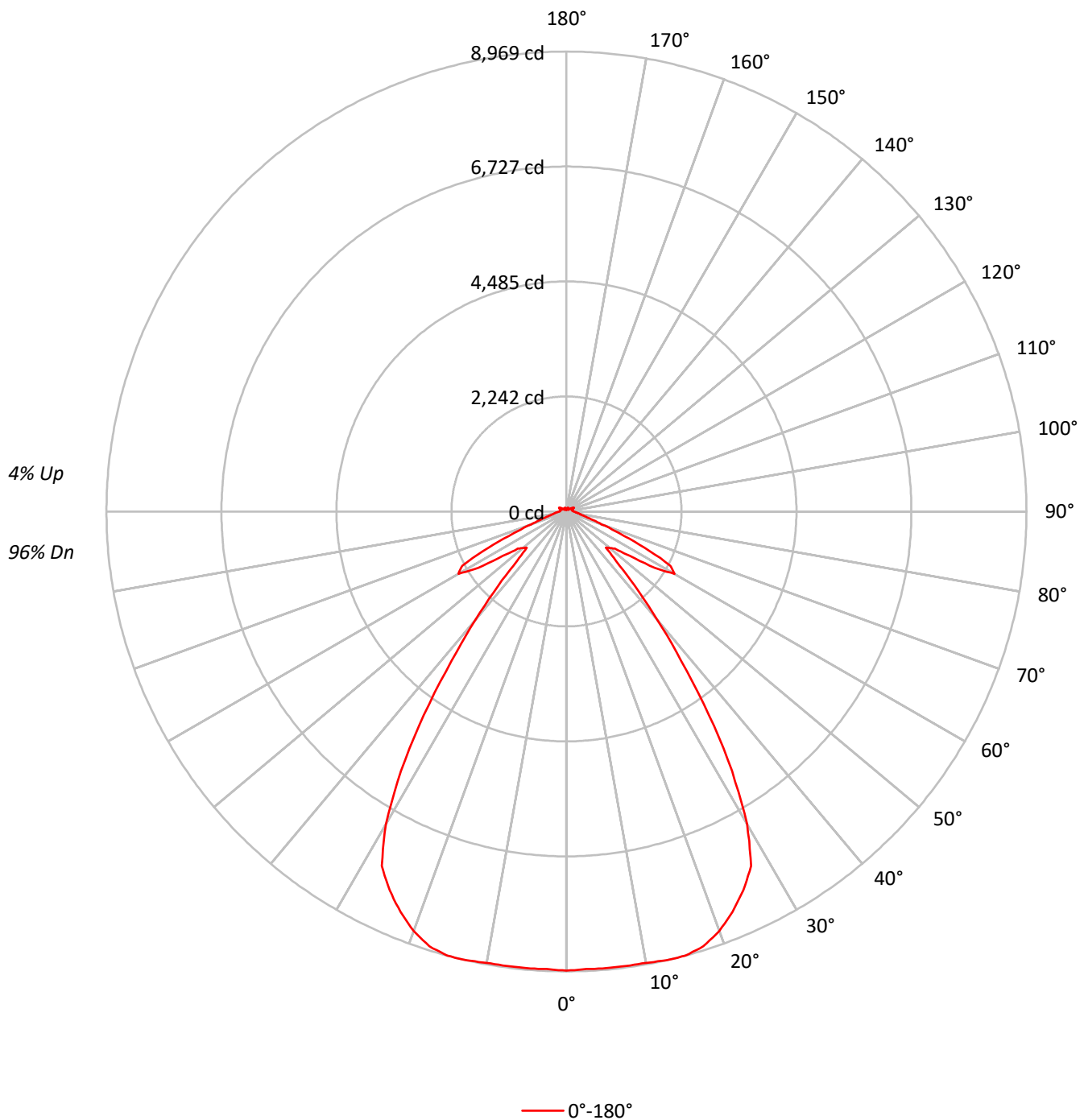
Lumens per Lamp: N/A
Luminaire Lumens: 15662.1 lumens
Efficiency: N/A
Efficacy: 158.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.04
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 98.8
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°	48955
5°	46871
10°	45329
15°	44387
20°	42382
25°	39353
30°	33967
35°	23518
40°	13533
45°	6829
50°	5747
55°	8179
60°	13797
65°	10101
70°	4735
75°	2611
80°	1950
85°	1618

MAXIMUM LUMINANCE 45°-90°:

Luminance: 13797 cd/sgm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	853.4	5.4
10°-20°	2523.4	16.1
20°-30°	3715.0	23.7
30°-40°	2995.8	19.1
40°-50°	1199.9	7.7
50°-60°	1474.8	9.4
60°-70°	1639.0	10.5
70°-80°	437.8	2.8
80°-90°	204.4	1.3
90°-100°	135.2	0.9
100°-110°	120.0	0.8
110°-120°	144.0	0.9
120°-130°	89.5	0.6
130°-140°	35.8	0.2
140°-150°	36.8	0.2
150°-160°	35.9	0.2
160°-170°	17.9	0.1
170°-180°	3.6	0.0
0°-30°	7091.8	45.3
0°-40°	10087.6	64.4
0°-60°	12762.3	81.5
0°-90°	15043.5	96.1
90°-120°	399.1	2.5
90°-150°	561.2	3.6
90°-180°	619.0	4.0
0°-180°	15662.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8955	
5°	8942	853
15°	8969	2523
25°	8155	3715
35°	4847	2996
45°	1357	1200
55°	1515	1475
65°	1679	1639
75°	371	438
85°	184	164
90°	136	76
95°	121	99
105°	116	120
115°	164	144
125°	97	90
135°	43	36
145°	60	37
155°	79	36
165°	62	18
175°	35	4
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8954.9
2.5°	8934.5
5°	8941.6
7.5°	8941.6
10°	8937.5
12.5°	8967.2
15°	8969.2
17.5°	8889.5
20°	8706.6
22.5°	8453.3
25°	8154.9
27.5°	7797.4
30°	7046.4
32.5°	6005.4
35°	4846.8
37.5°	3671.9
40°	2749.3
42.5°	1962.6
45°	1356.8
47.5°	1044.1
50°	1107.5
52.5°	1191.3
55°	1515.1
57.5°	2042.3
60°	2433.6
62.5°	2284.4
65°	1678.6
67.5°	1108.5
70°	732.5
72.5°	507.8
75°	370.9
77.5°	292.2
80°	250.3
82.5°	215.6
85°	183.9
87.5°	157.3
90°	135.9
92.5°	126.7
95°	120.6
97.5°	119.5
100°	121.6
102.5°	122.6
105°	116.5
107.5°	102.2
110°	102.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	132.8
115°	163.5
117.5°	162.4
120°	143.0
122.5°	120.6
125°	97.1
127.5°	76.6
130°	60.3
132.5°	50.1
135°	42.9
137.5°	39.8
140°	41.9
142.5°	49.0
145°	60.3
147.5°	69.5
150°	74.6
152.5°	77.6
155°	78.7
157.5°	78.7
160°	75.6
162.5°	70.5
165°	62.3
167.5°	53.1
170°	43.9
172.5°	37.8
175°	34.7
177.5°	32.7
180°	31.7

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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	19.68	20.98	20.12	21.38	21.79	19.68	20.98	20.12	21.38	21.79
	3H	20.48	21.64	20.93	22.06	22.52	20.48	21.64	20.93	22.06	22.52
	4H	20.55	21.64	21.02	22.07	22.55	20.55	21.64	21.02	22.07	22.55
	6H	20.57	21.58	21.05	22.03	22.52	20.57	21.58	21.05	22.03	22.52
	8H	20.57	21.53	21.07	22.00	22.50	20.57	21.53	21.07	22.00	22.50
	12H	20.58	21.49	21.07	21.95	22.48	20.58	21.49	21.07	21.95	22.48
4H	2H	20.25	21.34	20.72	21.77	22.25	20.25	21.34	20.72	21.77	22.25
	3H	21.02	21.93	21.50	22.41	22.91	21.02	21.93	21.50	22.41	22.91
	4H	21.11	21.93	21.61	22.42	22.96	21.11	21.93	21.61	22.42	22.96
	6H	21.17	21.88	21.70	22.40	22.95	21.17	21.88	21.70	22.40	22.95
	8H	21.19	21.85	21.72	22.37	22.93	21.19	21.85	21.72	22.37	22.93
	12H	21.21	21.80	21.76	22.35	22.91	21.21	21.80	21.76	22.35	22.91
8H	4H	21.07	21.73	21.60	22.25	22.81	21.07	21.73	21.60	22.25	22.81
	6H	21.17	21.70	21.73	22.27	22.84	21.17	21.70	21.73	22.27	22.84
	8H	21.22	21.69	21.80	22.27	22.85	21.22	21.69	21.80	22.27	22.85
	12H	21.28	21.69	21.86	22.26	22.91	21.28	21.69	21.86	22.26	22.91
12H	4H	21.04	21.63	21.59	22.18	22.74	21.04	21.63	21.59	22.18	22.74
	6H	21.14	21.62	21.72	22.20	22.78	21.14	21.62	21.72	22.20	22.78
	8H	21.22	21.63	21.80	22.19	22.85	21.22	21.63	21.80	22.19	22.85

END OF REPORT