

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: P1221223

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (3500K_L16_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221223
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 (3500K_L16_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

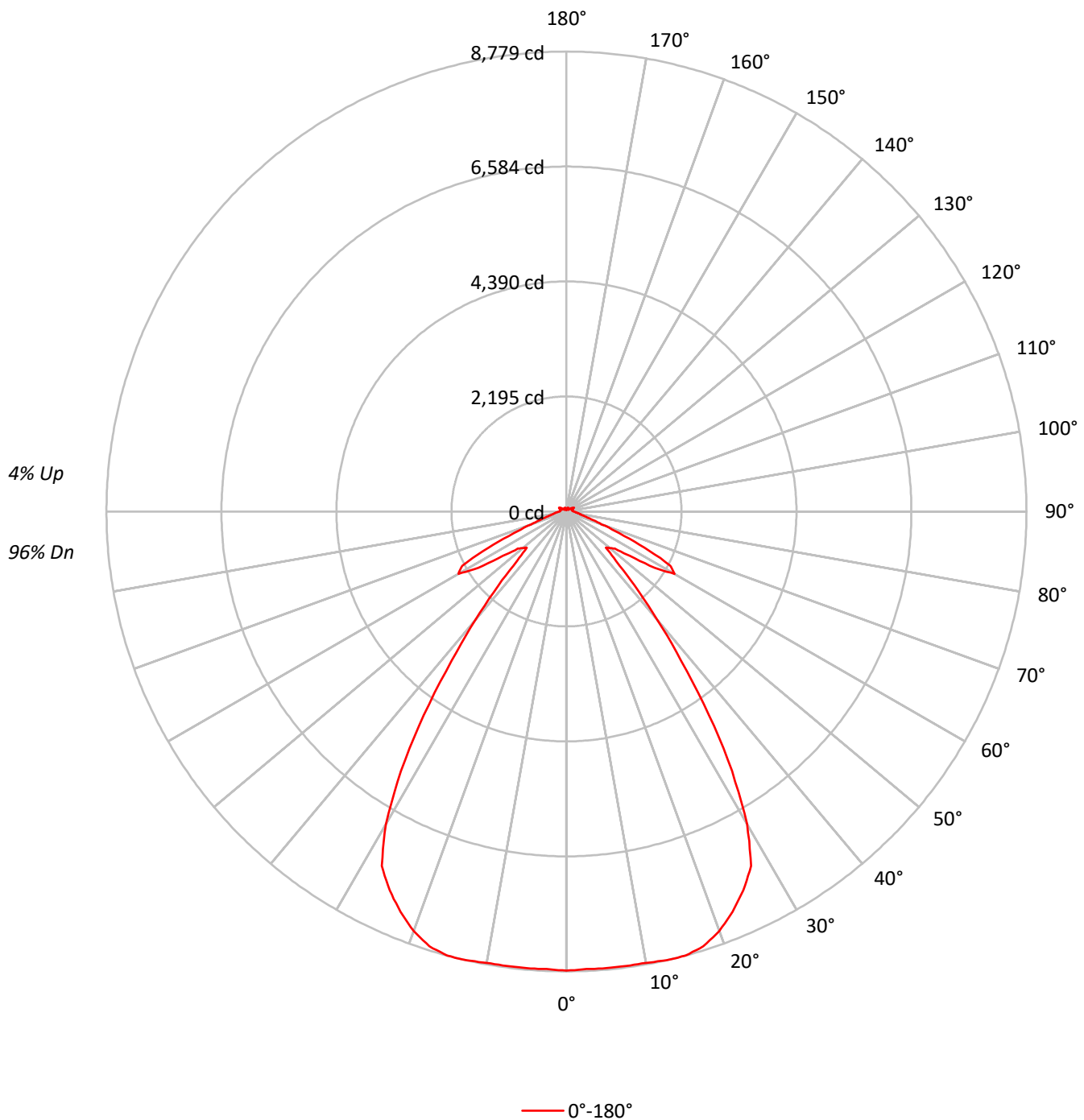
Lumens per Lamp: N/A
Luminaire Lumens: 15329.9 lumens
Efficiency: N/A
Efficacy: 153.3 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.04
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 100
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°	47917
5°	45877
10°	44368
15°	43445
20°	41484
25°	38518
30°	33247
35°	23019
40°	13246
45°	6684
50°	5625
55°	8005
60°	13504
65°	9887
70°	4634
75°	2555
80°	1909
85°	1584

MAXIMUM LUMINANCE 45°-90°:

Luminance: 13504 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	835.3	5.4
10°-20°	2469.9	16.1
20°-30°	3636.2	23.7
30°-40°	2932.3	19.1
40°-50°	1174.5	7.7
50°-60°	1443.5	9.4
60°-70°	1604.3	10.5
70°-80°	428.5	2.8
80°-90°	200.1	1.3
90°-100°	132.3	0.9
100°-110°	117.4	0.8
110°-120°	140.9	0.9
120°-130°	87.6	0.6
130°-140°	35.0	0.2
140°-150°	36.0	0.2
150°-160°	35.1	0.2
160°-170°	17.5	0.1
170°-180°	3.5	0.0
0°-30°	6941.4	45.3
0°-40°	9873.6	64.4
0°-60°	12491.6	81.5
0°-90°	14724.5	96.1
90°-120°	390.6	2.5
90°-150°	549.3	3.6
90°-180°	605.0	3.9
0°-180°	15329.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8765	
5°	8752	835
15°	8779	2470
25°	7982	3636
35°	4744	2932
45°	1328	1174
55°	1483	1444
65°	1643	1604
75°	363	429
85°	180	161
90°	133	75
95°	118	97
105°	114	117
115°	160	141
125°	95	88
135°	42	35
145°	59	36
155°	77	35
165°	61	18
175°	34	4
180°	31	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8765
2.5°	8745
5°	8752
7.5°	8752
10°	8748
12.5°	8777
15°	8779
17.5°	8701
20°	8522
22.5°	8274
25°	7982
27.5°	7632
30°	6897
32.5°	5878
35°	4744
37.5°	3594
40°	2691
42.5°	1921
45°	1328
47.5°	1022
50°	1084
52.5°	1166
55°	1483
57.5°	1999
60°	2382
62.5°	2236
65°	1643
67.5°	1085
70°	717
72.5°	497
75°	363
77.5°	286
80°	245
82.5°	211
85°	180
87.5°	154
90°	133
92.5°	124
95°	118
97.5°	117
100°	119
102.5°	120
105°	114
107.5°	100
110°	100

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	130
115°	160
117.5°	159
120°	140
122.5°	118
125°	95
127.5°	75
130°	59
132.5°	49
135°	42
137.5°	39
140°	41
142.5°	48
145°	59
147.5°	68
150°	73
152.5°	76
155°	77
157.5°	77
160°	74
162.5°	69
165°	61
167.5°	52
170°	43
172.5°	37
175°	34
177.5°	32
180°	31

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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	19.61	20.91	20.04	21.30	21.72	19.61	20.91	20.04	21.30	21.72
	3H	20.40	21.57	20.85	21.98	22.44	20.40	21.57	20.85	21.98	22.44
	4H	20.47	21.57	20.94	22.00	22.48	20.47	21.57	20.94	22.00	22.48
	6H	20.49	21.50	20.98	21.95	22.44	20.49	21.50	20.98	21.95	22.44
	8H	20.50	21.46	20.99	21.92	22.42	20.50	21.46	20.99	21.92	22.42
	12H	20.50	21.42	21.00	21.88	22.40	20.50	21.42	21.00	21.88	22.40
4H	2H	20.17	21.26	20.64	21.70	22.17	20.17	21.26	20.64	21.70	22.17
	3H	20.95	21.86	21.43	22.34	22.84	20.95	21.86	21.43	22.34	22.84
	4H	21.03	21.85	21.53	22.35	22.88	21.03	21.85	21.53	22.35	22.88
	6H	21.10	21.81	21.62	22.32	22.88	21.10	21.81	21.62	22.32	22.88
	8H	21.11	21.77	21.64	22.29	22.85	21.11	21.77	21.64	22.29	22.85
	12H	21.14	21.72	21.69	22.27	22.84	21.14	21.72	21.69	22.27	22.84
8H	4H	21.00	21.66	21.53	22.18	22.74	21.00	21.66	21.53	22.18	22.74
	6H	21.09	21.63	21.66	22.20	22.77	21.09	21.63	21.66	22.20	22.77
	8H	21.14	21.62	21.72	22.20	22.78	21.14	21.62	21.72	22.20	22.78
	12H	21.21	21.62	21.79	22.18	22.84	21.21	21.62	21.79	22.18	22.84
12H	4H	20.97	21.55	21.52	22.11	22.67	20.97	21.55	21.52	22.11	22.67
	6H	21.07	21.54	21.65	22.12	22.70	21.07	21.54	21.65	22.12	22.70
	8H	21.15	21.56	21.72	22.12	22.78	21.15	21.56	21.72	22.12	22.78

END OF REPORT