

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: P1221245

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (5000K_L18_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221245
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-14)
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_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

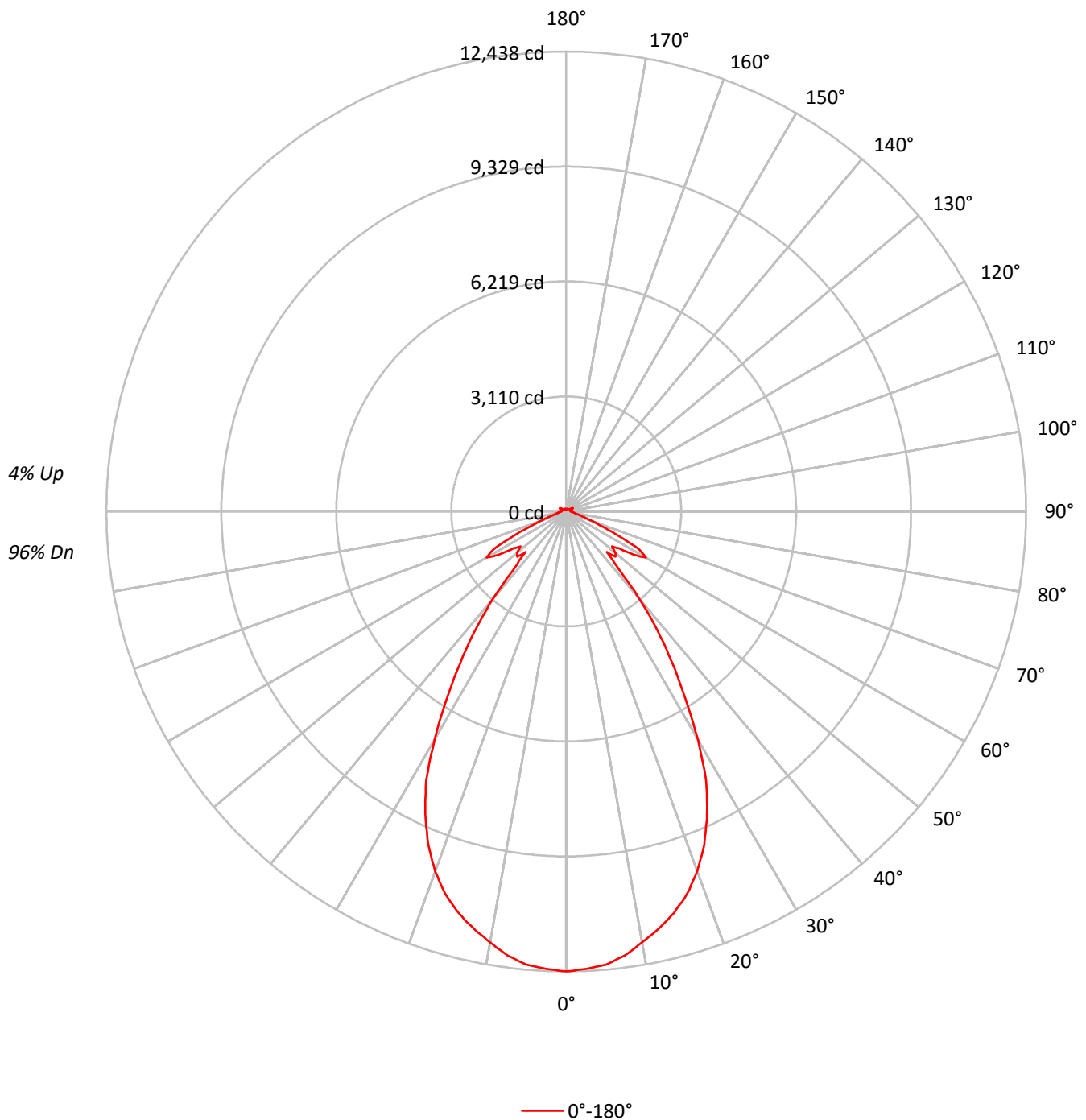
Lumens per Lamp: N/A
Luminaire Lumens: 17560.9 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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	104	104	104	99	99	99	99	99	99	99	99			
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87	87	87	87	87	85			
2	102	95	90	85	99	93	88	84	89	85	82	86	82	79	82	79	77	77	77	77	77	75			
3	95	86	80	74	92	85	78	73	81	76	72	78	74	70	75	72	68	68	68	68	68	66			
4	88	78	71	66	86	77	70	65	74	68	64	72	67	63	69	65	61	61	61	61	61	59			
5	83	72	64	59	80	71	64	58	68	62	57	66	61	56	64	59	56	56	56	56	56	54			
6	77	66	59	53	75	65	58	53	63	57	52	61	56	51	59	54	51	51	51	51	51	49			
7	73	61	54	48	71	60	53	48	59	52	48	57	51	47	55	50	47	47	47	47	47	45			
8	69	57	50	45	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	43	43	41			
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40	40	40	40	40	38			
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37	37	37	37	37	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67996
5°	64481
10°	60010
15°	55646
20°	50421
25°	43518
30°	34289
35°	24213
40°	15015
45°	7830
50°	8995
55°	9357
60°	14125
65°	9485
70°	4427
75°	2424
80°	1794
85°	1499

MAXIMUM LUMINANCE 45°-90°:

Luminance: 14125 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1159.2	6.6
10°-20°	3150.9	17.9
20°-30°	4087.8	23.3
30°-40°	3110.2	17.7
40°-50°	1500.1	8.5
50°-60°	1711.7	9.7
60°-70°	1579.4	9.0
70°-80°	407.4	2.3
80°-90°	189.6	1.1
90°-100°	131.6	0.7
100°-110°	121.3	0.7
110°-120°	169.7	1.0
120°-130°	103.1	0.6
130°-140°	39.3	0.2
140°-150°	38.0	0.2
150°-160°	38.5	0.2
160°-170°	19.1	0.1
170°-180°	4.1	0.0
0°-30°	8397.8	47.8
0°-40°	11508.0	65.5
0°-60°	14719.9	83.8
0°-90°	16896.3	96.2
90°-120°	422.6	2.4
90°-150°	603.0	3.4
90°-180°	665.0	3.8
0°-180°	17560.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12438	
5°	12301	###
15°	11244	3151
25°	9018	4088
35°	4990	3110
45°	1556	1500
55°	1733	1712
65°	1576	1579
75°	344	407
85°	170	152
90°	130	72
95°	118	97
105°	115	121
115°	198	170
125°	112	103
135°	47	39
145°	61	38
155°	85	38
165°	66	19
175°	41	4
180°	38	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12437.9
2.5°	12385.2
5°	12301.2
7.5°	12115.3
10°	11832.2
12.5°	11559.9
15°	11244.4
17.5°	10857.0
20°	10358.0
22.5°	9748.6
25°	9018.1
27.5°	8196.4
30°	7113.2
32.5°	6007.3
35°	4990.1
37.5°	4037.6
40°	3050.4
42.5°	2052.4
45°	1555.8
47.5°	1802.9
50°	1733.3
52.5°	1557.0
55°	1733.3
57.5°	2192.7
60°	2491.4
62.5°	2216.7
65°	1576.2
67.5°	1035.2
70°	684.9
72.5°	473.8
75°	344.3
77.5°	271.1
80°	230.3
82.5°	197.9
85°	170.3
87.5°	147.5
90°	129.5
92.5°	122.4
95°	117.6
97.5°	117.6
100°	120.0
102.5°	121.2
105°	115.2
107.5°	105.6
110°	112.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	153.5
115°	197.9
117.5°	194.3
120°	166.7
122.5°	139.1
125°	111.6
127.5°	87.6
130°	68.4
132.5°	55.2
135°	46.8
137.5°	43.2
140°	44.4
142.5°	51.6
145°	61.2
147.5°	70.8
150°	78.0
152.5°	82.8
155°	85.2
157.5°	85.2
160°	81.6
162.5°	75.6
165°	66.0
167.5°	56.4
170°	48.0
172.5°	42.0
175°	40.8
177.5°	38.4
180°	38.4

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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	19.78	21.06	20.21	21.46	21.87	19.78	21.06	20.21	21.46	21.87
	3H	20.37	21.52	20.82	21.93	22.39	20.37	21.52	20.82	21.93	22.39
	4H	20.41	21.49	20.88	21.92	22.39	20.41	21.49	20.88	21.92	22.39
	6H	20.41	21.40	20.89	21.85	22.34	20.41	21.40	20.89	21.85	22.34
	8H	20.41	21.35	20.90	21.81	22.31	20.41	21.35	20.90	21.81	22.31
	12H	20.40	21.30	20.90	21.76	22.28	20.40	21.30	20.90	21.76	22.28
4H	2H	20.18	21.25	20.65	21.68	22.16	20.18	21.25	20.65	21.68	22.16
	3H	20.79	21.68	21.27	22.16	22.65	20.79	21.68	21.27	22.16	22.65
	4H	20.85	21.65	21.34	22.14	22.67	20.85	21.65	21.34	22.14	22.67
	6H	20.88	21.57	21.41	22.09	22.64	20.88	21.57	21.41	22.09	22.64
	8H	20.89	21.53	21.42	22.05	22.61	20.89	21.53	21.42	22.05	22.61
	12H	20.90	21.47	21.45	22.02	22.58	20.90	21.47	21.45	22.02	22.58
8H	4H	20.79	21.44	21.32	21.95	22.51	20.79	21.44	21.32	21.95	22.51
	6H	20.85	21.38	21.42	21.94	22.51	20.85	21.38	21.42	21.94	22.51
	8H	20.88	21.34	21.46	21.92	22.50	20.88	21.34	21.46	21.92	22.50
	12H	20.93	21.33	21.51	21.89	22.55	20.93	21.33	21.51	21.89	22.55
12H	4H	20.76	21.33	21.31	21.88	22.44	20.76	21.33	21.31	21.88	22.44
	6H	20.82	21.28	21.40	21.86	22.44	20.82	21.28	21.40	21.86	22.44
	8H	20.88	21.28	21.45	21.84	22.49	20.88	21.28	21.45	21.84	22.49

END OF REPORT