

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: P1221307

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

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221307
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (3000K_L18_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

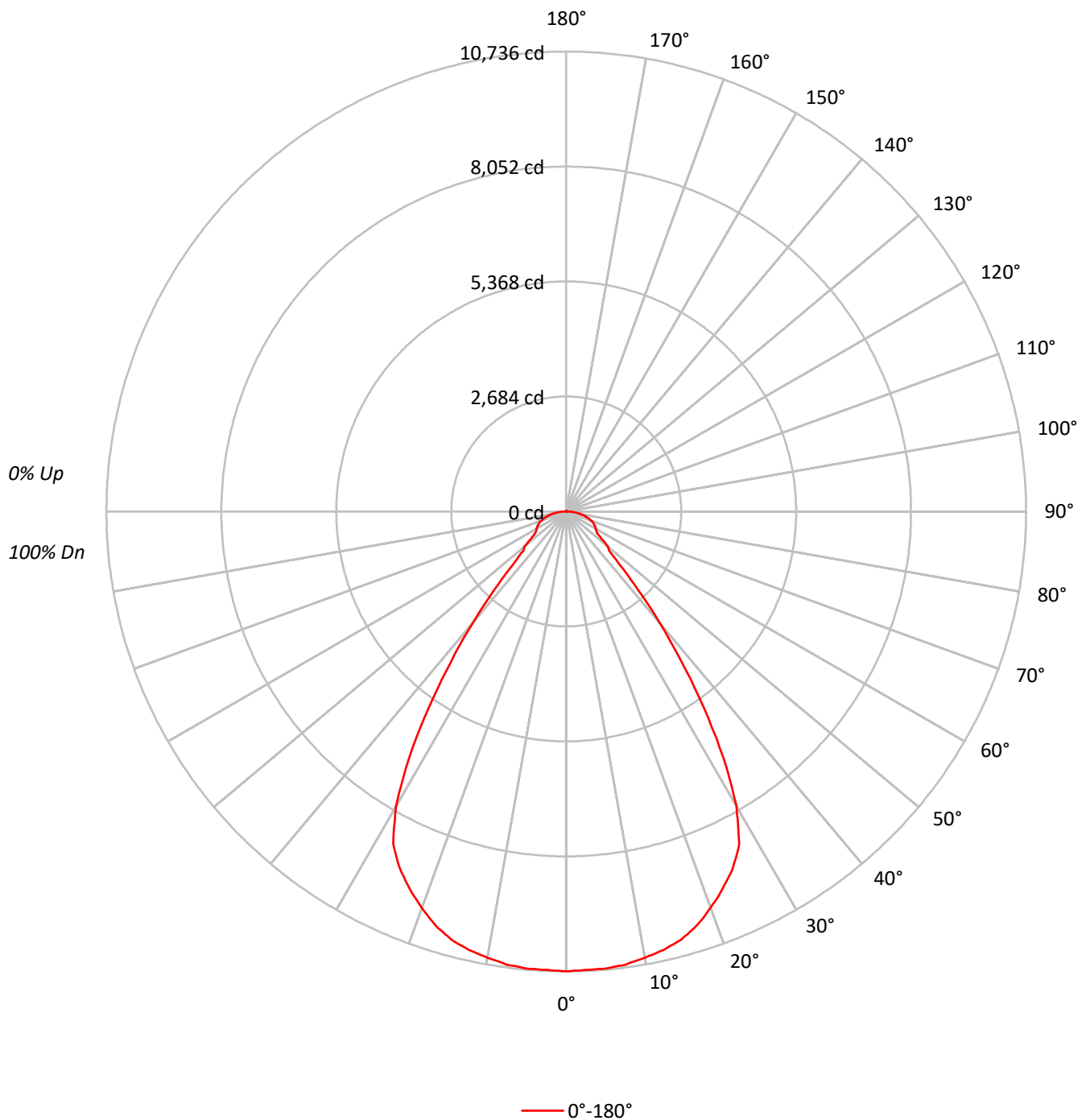
Lumens per Lamp: N/A
Luminaire Lumens: 15367.1 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	108	104	102		109	105	103	100		101	99	97		97	96	94		94	92	91
2	104	98	93	88		102	96	91	87		93	89	85		89	86	83		87	84	81
3	97	89	83	78		95	88	82	77		85	80	76		82	78	75		80	76	73
4	91	82	75	70		89	81	74	69		78	73	68		76	71	67		74	70	67
5	86	75	68	63		84	74	68	63		72	66	62		71	65	61		69	64	61
6	80	70	62	57		79	69	62	57		67	61	57		66	60	56		64	59	56
7	76	65	57	52		74	64	57	52		62	56	52		61	56	52		60	55	51
8	71	60	53	48		70	60	53	48		58	52	48		57	52	48		56	51	47
9	67	56	49	45		66	56	49	45		55	49	44		54	48	44		53	48	44
10	64	53	46	41		63	52	46	41		51	45	41		50	45	41		50	45	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58690
5°	56131
10°	53641
15°	51222
20°	47961
25°	44376
30°	38299
35°	27176
40°	16717
45°	8864
50°	6574
55°	4754
60°	4509
65°	4335
70°	3973
75°	3415
80°	2567
85°	1390

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 8864 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1018.0	6.6
10°-20°	2908.3	18.9
20°-30°	4185.9	27.2
30°-40°	3481.5	22.7
40°-50°	1514.1	9.9
50°-60°	840.9	5.5
60°-70°	708.4	4.6
70°-80°	506.9	3.3
80°-90°	175.1	1.1
90°-100°	2.4	0.0
100°-110°	1.2	0.0
110°-120°	2.1	0.0
120°-130°	2.4	0.0
130°-140°	3.8	0.0
140°-150°	5.9	0.0
150°-160°	5.5	0.0
160°-170°	3.3	0.0
170°-180°	1.2	0.0
0°-30°	8112.3	52.8
0°-40°	11593.8	75.4
0°-60°	13948.9	90.8
0°-90°	15339.3	99.8
90°-120°	5.7	0.0
90°-150°	17.9	0.1
90°-180°	28.0	0.2
0°-180°	15367.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10736	
5°	10708	###
15°	10350	2908
25°	9196	4186
35°	5601	3482
45°	1761	1514
55°	881	841
65°	720	708
75°	485	507
85°	158	164
90°	10	13
95°	1	1
105°	1	1
115°	2	2
125°	2	2
135°	4	4
145°	9	6
155°	11	5
165°	11	3
175°	12	1
180°	12	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10735.6
2.5°	10712.8
5°	10708.3
7.5°	10666.2
10°	10576.5
12.5°	10483.3
15°	10350.4
17.5°	10135.6
20°	9852.7
22.5°	9539.1
25°	9195.9
27.5°	8748.2
30°	7944.9
32.5°	6839.3
35°	5600.7
37.5°	4421.3
40°	3396.3
42.5°	2490.7
45°	1761.2
47.5°	1356.7
50°	1266.9
52.5°	1024.9
55°	880.6
57.5°	829.5
60°	795.4
62.5°	762.4
65°	720.4
67.5°	671.5
70°	614.7
72.5°	553.4
75°	485.2
77.5°	410.2
80°	329.5
82.5°	245.4
85°	157.9
87.5°	70.4
90°	10.2
92.5°	1.1
95°	1.1
97.5°	1.1
100°	1.1
102.5°	1.1
105°	1.1
107.5°	1.1
110°	1.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.3
115°	2.3
117.5°	2.3
120°	2.3
122.5°	2.3
125°	2.3
127.5°	3.4
130°	3.4
132.5°	4.5
135°	4.5
137.5°	5.7
140°	6.8
142.5°	8.0
145°	9.1
147.5°	11.4
150°	12.5
152.5°	12.5
155°	11.4
157.5°	11.4
160°	11.4
162.5°	11.4
165°	11.4
167.5°	11.4
170°	12.5
172.5°	12.5
175°	12.5
177.5°	12.5
180°	12.5

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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	13.68	14.92	14.05	15.24	15.56	13.68	14.92	14.05	15.24	15.56
	3H	15.80	16.91	16.19	17.24	17.61	15.80	16.91	16.19	17.24	17.61
	4H	16.59	17.63	17.00	17.98	18.37	16.59	17.63	17.00	17.98	18.37
	6H	17.14	18.09	17.56	18.47	18.87	17.14	18.09	17.56	18.47	18.87
	8H	17.29	18.19	17.73	18.59	19.00	17.29	18.19	17.73	18.59	19.00
	12H	17.36	18.23	17.80	18.61	19.05	17.36	18.23	17.80	18.61	19.05
4H	2H	14.30	15.33	14.71	15.69	16.08	14.30	15.33	14.71	15.69	16.08
	3H	16.58	17.44	17.00	17.85	18.26	16.58	17.44	17.00	17.85	18.26
	4H	17.48	18.25	17.92	18.67	19.12	17.48	18.25	17.92	18.67	19.12
	6H	18.13	18.80	18.60	19.25	19.72	18.13	18.80	18.60	19.25	19.72
	8H	18.32	18.94	18.79	19.39	19.87	18.32	18.94	18.79	19.39	19.87
	12H	18.42	18.97	18.91	19.46	19.94	18.42	18.97	18.91	19.46	19.94
8H	4H	17.73	18.36	18.21	18.81	19.28	17.73	18.36	18.21	18.81	19.28
	6H	18.49	19.00	19.00	19.50	19.99	18.49	19.00	19.00	19.50	19.99
	8H	18.74	19.19	19.26	19.71	20.21	18.74	19.19	19.26	19.71	20.21
	12H	18.90	19.30	19.42	19.80	20.37	18.90	19.30	19.42	19.80	20.37
12H	4H	17.74	18.29	18.23	18.78	19.25	17.74	18.29	18.23	18.78	19.25
	6H	18.52	18.97	19.04	19.49	19.99	18.52	18.97	19.04	19.49	19.99
	8H	18.81	19.21	19.33	19.71	20.28	18.81	19.21	19.33	19.71	20.28

END OF REPORT