

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: P1221326

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (4000K_L18_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221326
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-17)
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 (4000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

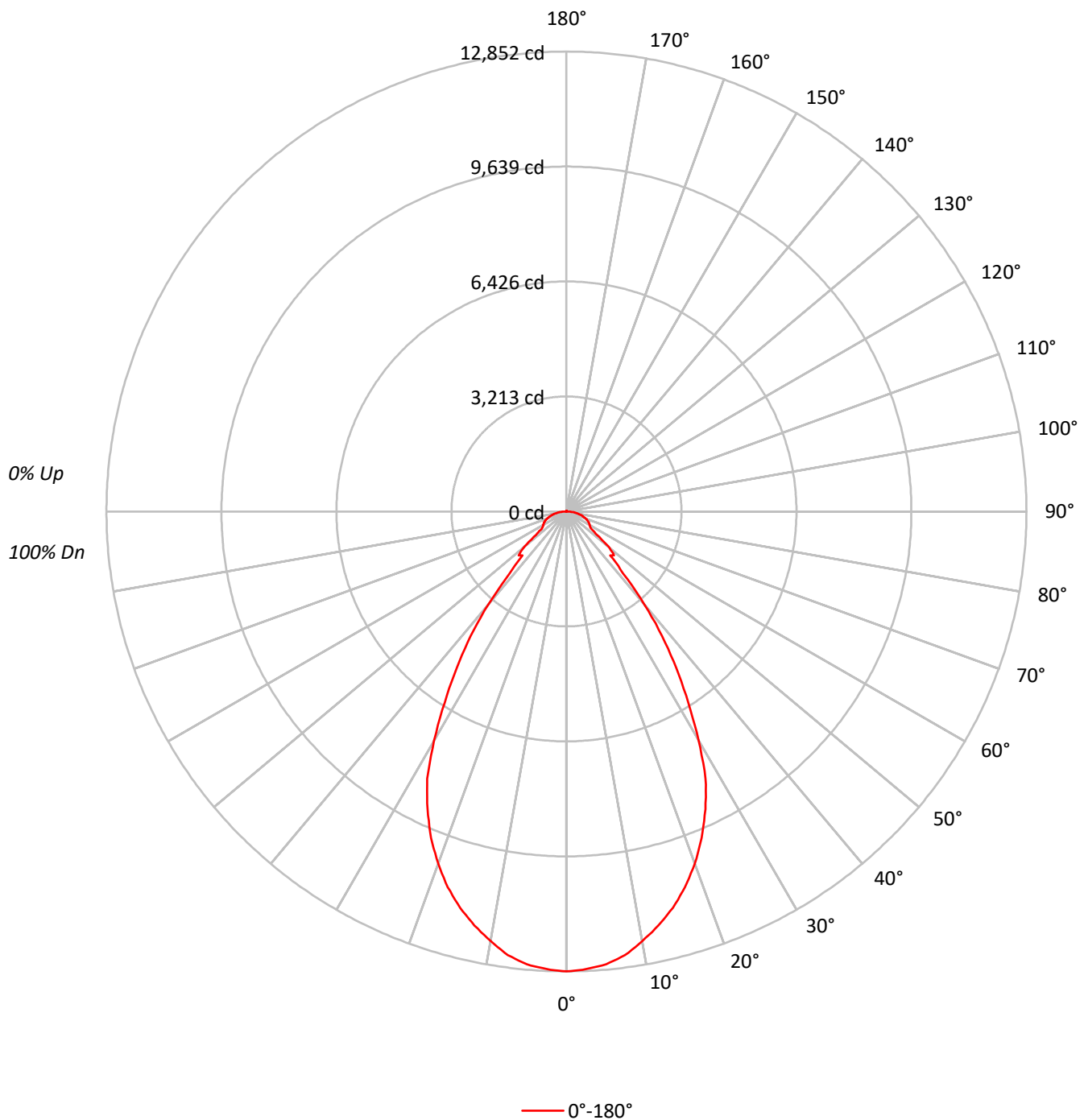
Lumens per Lamp: N/A
Luminaire Lumens: 15665.9 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.96
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 118.9
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90							
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80							
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73							
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66							
5	86	76	69	64	84	75	69	64	73	68	63	71	66	63	70	65	62	60							
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55							
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51							
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	52	49	47							
9	68	57	51	46	67	57	50	46	56	50	46	55	49	46	54	49	45	44							
10	65	54	47	43	64	53	47	43	53	47	43	52	46	43	51	46	42	41							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	70258
5°	66603
10°	61848
15°	56760
20°	51016
25°	44324
30°	35615
35°	25919
40°	16742
45°	8719
50°	7917
55°	4560
60°	4220
65°	4033
70°	3660
75°	3087
80°	2337
85°	1324

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 9240 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1196.7	7.6
10°-20°	3212.2	20.5
20°-30°	4173.0	26.6
30°-40°	3322.6	21.2
40°-50°	1599.7	10.2
50°-60°	853.3	5.4
60°-70°	658.7	4.2
70°-80°	460.5	2.9
80°-90°	162.9	1.0
90°-100°	1.3	0.0
100°-110°	1.7	0.0
110°-120°	2.4	0.0
120°-130°	2.5	0.0
130°-140°	3.5	0.0
140°-150°	5.2	0.0
150°-160°	5.0	0.0
160°-170°	3.4	0.0
170°-180°	1.3	0.0
0°-30°	8581.9	54.8
0°-40°	11904.5	76.0
0°-60°	14357.5	91.6
0°-90°	15639.5	99.8
90°-120°	5.4	0.0
90°-150°	16.7	0.1
90°-180°	26.0	0.2
0°-180°	15665.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12852	
5°	12706	###
15°	11469	3212
25°	9185	4173
35°	5342	3323
45°	1732	1600
55°	845	853
65°	670	659
75°	438	460
85°	150	153
90°	1	10
95°	1	1
105°	1	2
115°	2	2
125°	2	3
135°	5	3
145°	8	5
155°	11	5
165°	12	3
175°	14	1
180°	14	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12851.7
2.5°	12802.8
5°	12706.0
7.5°	12507.7
10°	12194.6
12.5°	11855.3
15°	11469.4
17.5°	11011.9
20°	10480.2
22.5°	9876.9
25°	9185.1
27.5°	8419.3
30°	7388.2
32.5°	6334.5
35°	5341.6
37.5°	4393.0
40°	3401.4
42.5°	2341.7
45°	1732.4
47.5°	1810.0
50°	1525.7
52.5°	1069.3
55°	844.7
57.5°	782.5
60°	744.3
62.5°	712.1
65°	670.2
67.5°	621.3
70°	566.3
72.5°	504.2
75°	438.5
77.5°	369.2
80°	299.9
82.5°	227.0
85°	150.5
87.5°	70.5
90°	1.2
92.5°	1.2
95°	1.2
97.5°	1.2
100°	1.2
102.5°	1.2
105°	1.2
107.5°	2.4
110°	2.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.4
115°	2.4
117.5°	2.4
120°	2.4
122.5°	2.4
125°	2.4
127.5°	3.6
130°	3.6
132.5°	3.6
135°	4.8
137.5°	4.8
140°	6.0
142.5°	7.2
145°	8.4
147.5°	9.6
150°	10.8
152.5°	10.8
155°	10.8
157.5°	10.8
160°	10.8
162.5°	11.9
165°	11.9
167.5°	13.1
170°	13.1
172.5°	13.1
175°	14.3
177.5°	14.3
180°	14.3

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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	13.22	14.45	13.59	14.76	15.08	13.22	14.45	13.59	14.76	15.08
	3H	15.27	16.37	15.66	16.70	17.07	15.27	16.37	15.66	16.70	17.07
	4H	16.02	17.04	16.43	17.39	17.78	16.02	17.04	16.43	17.39	17.78
	6H	16.54	17.47	16.95	17.85	18.25	16.54	17.47	16.95	17.85	18.25
	8H	16.68	17.57	17.12	17.97	18.38	16.68	17.57	17.12	17.97	18.38
	12H	16.76	17.61	17.20	18.00	18.43	16.76	17.61	17.20	18.00	18.43
4H	2H	13.82	14.84	14.22	15.19	15.58	13.82	14.84	14.22	15.19	15.58
	3H	16.03	16.88	16.45	17.28	17.69	16.03	16.88	16.45	17.28	17.69
	4H	16.88	17.64	17.32	18.06	18.51	16.88	17.64	17.32	18.06	18.51
	6H	17.51	18.16	17.97	18.61	19.08	17.51	18.16	17.97	18.61	19.08
	8H	17.69	18.30	18.16	18.75	19.23	17.69	18.30	18.16	18.75	19.23
	12H	17.80	18.34	18.29	18.82	19.30	17.80	18.34	18.29	18.82	19.30
8H	4H	17.12	17.73	17.59	18.18	18.66	17.12	17.73	17.59	18.18	18.66
	6H	17.85	18.35	18.35	18.85	19.33	17.85	18.35	18.35	18.85	19.33
	8H	18.09	18.54	18.62	19.06	19.56	18.09	18.54	18.62	19.06	19.56
	12H	18.26	18.65	18.78	19.15	19.73	18.26	18.65	18.78	19.15	19.73
12H	4H	17.12	17.66	17.61	18.15	18.63	17.12	17.66	17.61	18.15	18.63
	6H	17.87	18.32	18.40	18.84	19.33	17.87	18.32	18.40	18.84	19.33
	8H	18.17	18.56	18.69	19.06	19.63	18.17	18.56	18.69	19.06	19.63

END OF REPORT