

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: P1221251

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-CLER-08 (6500K_L16_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221251
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 (6500K_L16_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

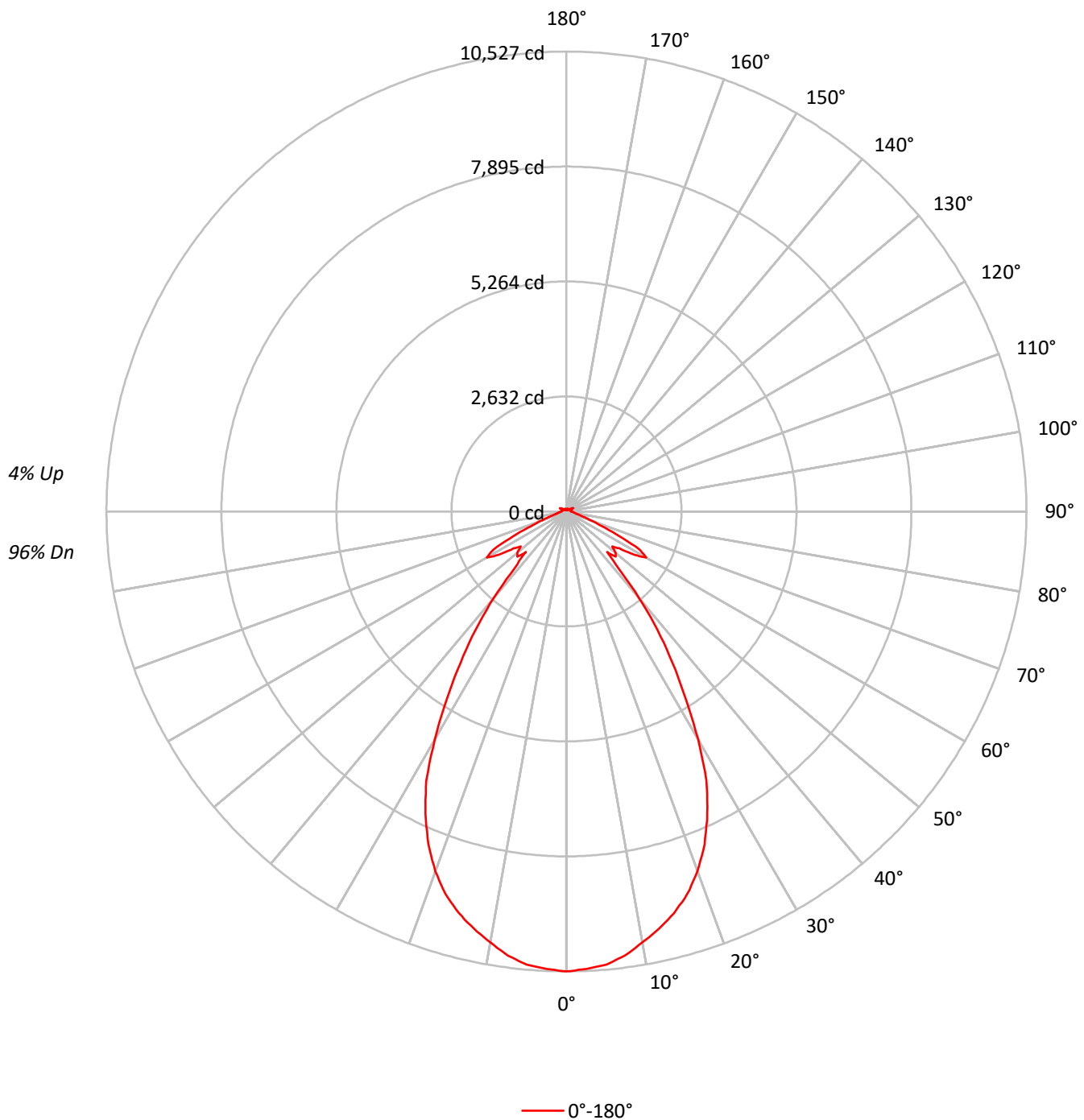
Lumens per Lamp: N/A
Luminaire Lumens: 14863.0 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.95
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 101.9
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
RCR																	
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	89	87
2	102	95	90	85	99	93	88	84	89	85	82	86	82	79	82	79	77
3	95	86	80	74	92	85	78	73	81	76	72	78	74	70	75	72	68
4	88	78	71	66	86	77	70	65	74	68	64	72	67	63	69	65	61
5	83	72	64	59	80	71	64	58	68	62	57	66	61	56	64	59	56
6	77	66	59	53	75	65	58	53	63	57	52	61	56	51	59	54	51
7	73	61	54	48	71	60	53	48	59	52	48	57	51	47	55	50	47
8	69	57	50	45	67	56	49	44	55	48	44	53	48	43	52	47	43
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57550
5°	54575
10°	50790
15°	47097
20°	42674
25°	36832
30°	29021
35°	20493
40°	12708
45°	6628
50°	7613
55°	7919
60°	11955
65°	8027
70°	3747
75°	2051
80°	1519
85°	1269

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 60°
Luminance: 11955 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	981.1	6.6
10°-20°	2666.8	17.9
20°-30°	3459.8	23.3
30°-40°	2632.4	17.7
40°-50°	1269.7	8.5
50°-60°	1448.8	9.7
60°-70°	1336.8	9.0
70°-80°	344.8	2.3
80°-90°	160.5	1.1
90°-100°	111.3	0.7
100°-110°	102.6	0.7
110°-120°	143.7	1.0
120°-130°	87.3	0.6
130°-140°	33.2	0.2
140°-150°	32.2	0.2
150°-160°	32.6	0.2
160°-170°	16.2	0.1
170°-180°	3.4	0.0
0°-30°	7107.6	47.8
0°-40°	9740.0	65.5
0°-60°	12458.5	83.8
0°-90°	14300.5	96.2
90°-120°	357.6	2.4
90°-150°	510.3	3.4
90°-180°	562.0	3.8
0°-180°	14863.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10527	
5°	10411	981
15°	9517	2667
25°	7633	3460
35°	4223	2632
45°	1317	1270
55°	1467	1449
65°	1334	1337
75°	291	345
85°	144	128
90°	110	61
95°	100	82
105°	98	103
115°	168	144
125°	94	87
135°	40	33
145°	52	32
155°	72	33
165°	56	16
175°	34	3
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10527.1
2.5°	10482.4
5°	10411.3
7.5°	10254.0
10°	10014.4
12.5°	9783.9
15°	9516.9
17.5°	9189.0
20°	8766.6
22.5°	8250.9
25°	7632.6
27.5°	6937.2
30°	6020.4
32.5°	5084.3
35°	4223.4
37.5°	3417.3
40°	2581.8
42.5°	1737.1
45°	1316.8
47.5°	1525.9
50°	1467.0
52.5°	1317.8
55°	1467.0
57.5°	1855.9
60°	2108.7
62.5°	1876.2
65°	1334.0
67.5°	876.2
70°	579.7
72.5°	401.0
75°	291.4
77.5°	229.4
80°	194.9
82.5°	167.5
85°	144.2
87.5°	124.9
90°	109.6
92.5°	103.6
95°	99.5
97.5°	99.5
100°	101.5
102.5°	102.5
105°	97.5
107.5°	89.3
110°	95.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	130.0
115°	167.5
117.5°	164.5
120°	141.1
122.5°	117.8
125°	94.4
127.5°	74.1
130°	57.9
132.5°	46.7
135°	39.6
137.5°	36.5
140°	37.6
142.5°	43.7
145°	51.8
147.5°	59.9
150°	66.0
152.5°	70.1
155°	72.1
157.5°	72.1
160°	69.0
162.5°	64.0
165°	55.8
167.5°	47.7
170°	40.6
172.5°	35.5
175°	34.5
177.5°	32.5
180°	32.5

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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	19.20	20.48	19.63	20.88	21.29	19.20	20.48	19.63	20.88	21.29
	3H	19.80	20.94	20.24	21.35	21.81	19.80	20.94	20.24	21.35	21.81
	4H	19.83	20.91	20.30	21.34	21.81	19.83	20.91	20.30	21.34	21.81
	6H	19.83	20.82	20.31	21.27	21.76	19.83	20.82	20.31	21.27	21.76
	8H	19.83	20.77	20.32	21.23	21.73	19.83	20.77	20.32	21.23	21.73
	12H	19.82	20.72	20.32	21.18	21.70	19.82	20.72	20.32	21.18	21.70
4H	2H	19.60	20.68	20.07	21.10	21.58	19.60	20.68	20.07	21.10	21.58
	3H	20.21	21.10	20.69	21.58	22.07	20.21	21.10	20.69	21.58	22.07
	4H	20.27	21.07	20.77	21.56	22.09	20.27	21.07	20.77	21.56	22.09
	6H	20.30	21.00	20.83	21.51	22.06	20.30	21.00	20.83	21.51	22.06
	8H	20.31	20.95	20.84	21.47	22.03	20.31	20.95	20.84	21.47	22.03
	12H	20.32	20.89	20.87	21.44	22.00	20.32	20.89	20.87	21.44	22.00
8H	4H	20.21	20.86	20.74	21.37	21.93	20.21	20.86	20.74	21.37	21.93
	6H	20.27	20.80	20.84	21.36	21.93	20.27	20.80	20.84	21.36	21.93
	8H	20.30	20.77	20.88	21.34	21.92	20.30	20.77	20.88	21.34	21.92
	12H	20.35	20.75	20.93	21.31	21.97	20.35	20.75	20.93	21.31	21.97
12H	4H	20.18	20.75	20.73	21.30	21.86	20.18	20.75	20.73	21.30	21.86
	6H	20.24	20.70	20.82	21.28	21.86	20.24	20.70	20.82	21.28	21.86
	8H	20.30	20.70	20.87	21.26	21.91	20.30	20.70	20.87	21.26	21.91

END OF REPORT