

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: P1221180

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-Blak-08 (3500K_L16_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221180
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-Blak-08 (3500K_L16_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, BLACK SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

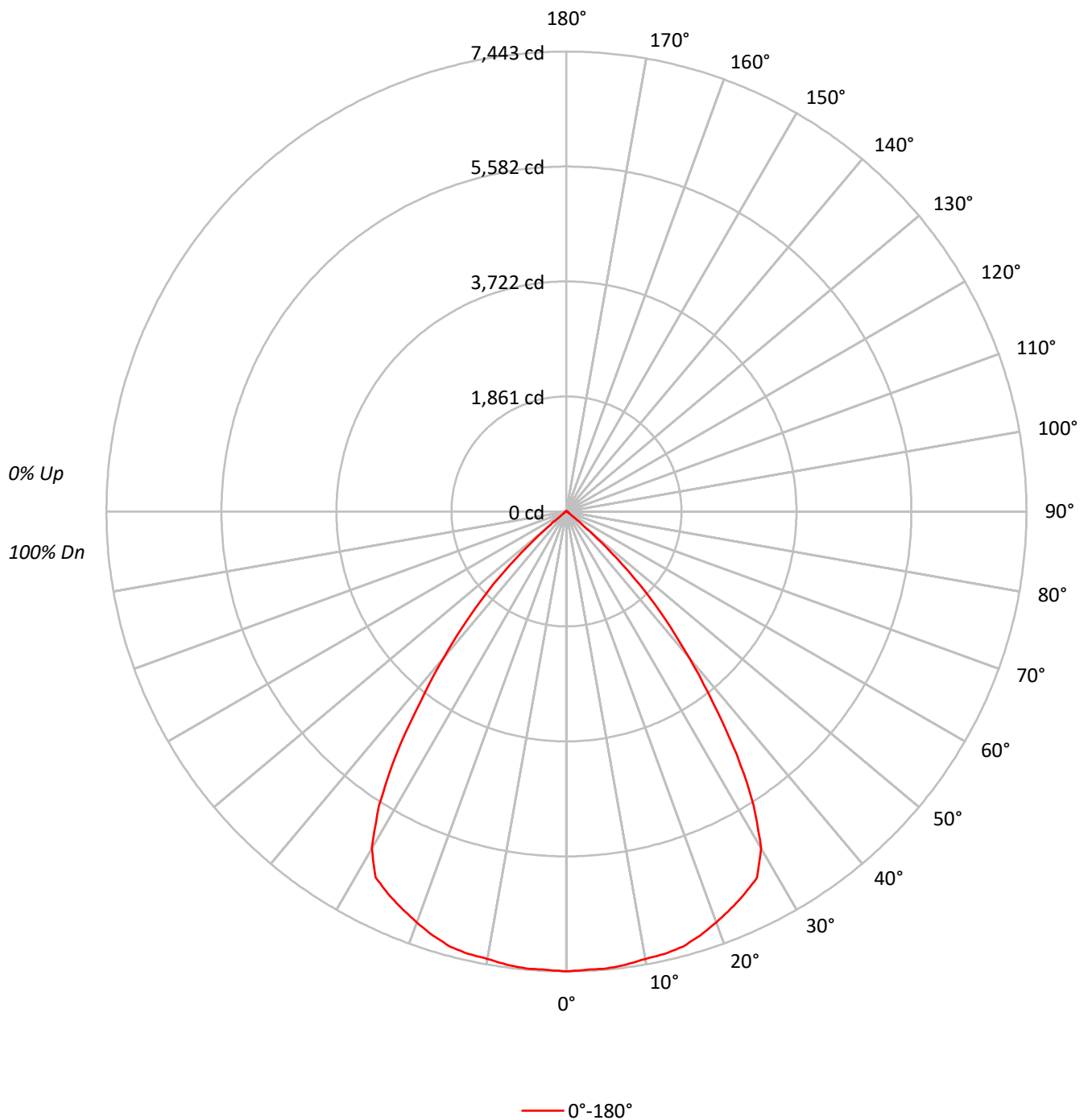
Lumens per Lamp: N/A
Luminaire Lumens: 10277.0 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

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

TEST NUMBER: P1221180

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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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79
4	95	87	80	76	93	85	80	75	83	78	74	81	77	74	79	76	73
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57
8	75	64	58	53	74	64	57	53	63	57	53	62	56	53	60	56	52
9	71	60	54	49	70	60	53	49	59	53	49	58	52	49	57	52	49
10	67	56	50	46	66	56	50	46	55	49	45	54	49	45	53	49	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40690
5°	38931
10°	37293
15°	36067
20°	34450
25°	32935
30°	30360
35°	23306
40°	15205
45°	8400
50°	2024
55°	313
60°	181
65°	175
70°	168
75°	148
80°	109
85°	53

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8400 cd/sqm

TEST NUMBER: P1221180

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-Blak-08 (3500K_L16_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	706.3	6.9
10°-20°	2053.3	20.0
20°-30°	3132.3	30.5
30°-40°	2944.8	28.7
40°-50°	1278.6	12.4
50°-60°	95.8	0.9
60°-70°	28.8	0.3
70°-80°	21.6	0.2
80°-90°	7.1	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	1.3	0.0
140°-150°	2.3	0.0
150°-160°	2.3	0.0
160°-170°	1.7	0.0
170°-180°	0.7	0.0
0°-30°	5892.0	57.3
0°-40°	8836.8	86.0
0°-60°	10211.1	99.4
0°-90°	10268.6	99.9
90°-120°	0.0	0.0
90°-150°	3.7	0.0
90°-180°	8.0	0.1
0°-180°	10277.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7443	
5°	7427	706
15°	7288	2053
25°	6825	3132
35°	4803	2945
45°	1669	1279
55°	58	96
65°	29	29
75°	21	22
85°	6	7
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	2	1
145°	4	2
155°	5	2
165°	6	2
175°	7	1
180°	7	

TEST NUMBER: P1221180

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-Blak-08 (3500K_L16_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	7443
2.5°	7424
5°	7427
7.5°	7397
10°	7353
12.5°	7334
15°	7288
17.5°	7194
20°	7077
22.5°	6957
25°	6825
27.5°	6680
30°	6298
32.5°	5638
35°	4803
37.5°	3876
40°	3089
42.5°	2363
45°	1669
47.5°	981
50°	390
52.5°	129
55°	58
57.5°	40
60°	32
62.5°	30
65°	29
67.5°	28
70°	26
72.5°	24
75°	21
77.5°	17
80°	14
82.5°	10
85°	6
87.5°	3
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	0
110°	0

TEST NUMBER: P1221180

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0
115°	0
117.5°	0
120°	0
122.5°	0
125°	0
127.5°	0
130°	1
132.5°	1
135°	2
137.5°	2
140°	3
142.5°	3
145°	4
147.5°	4
150°	4
152.5°	5
155°	5
157.5°	5
160°	6
162.5°	6
165°	6
167.5°	6
170°	7
172.5°	7
175°	7
177.5°	7
180°	7

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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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

END OF REPORT