

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: P1221322

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-WHTE-08 (4000K_L16_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221322
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 (4000K_L16_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 1218 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

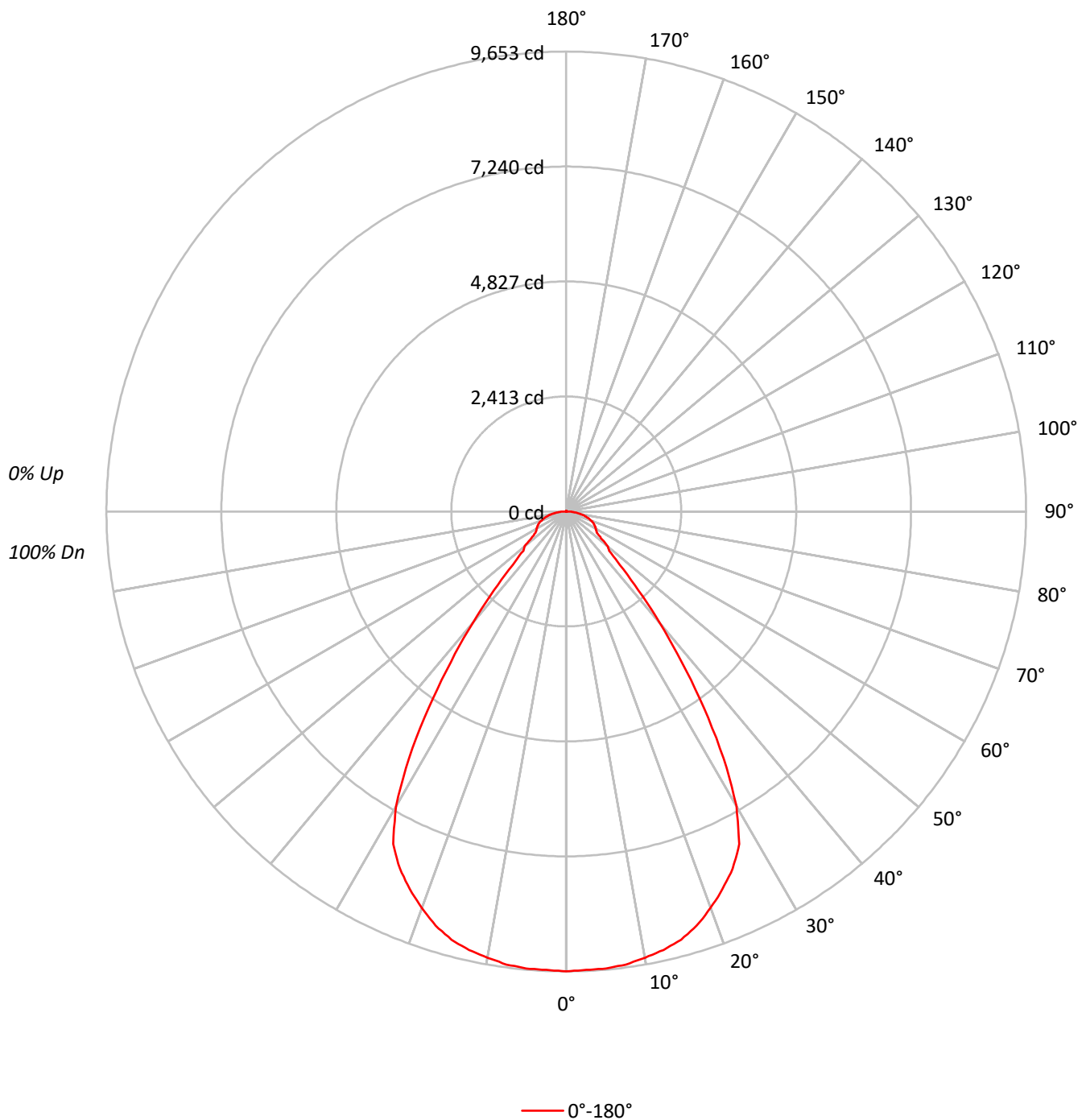
Lumens per Lamp: N/A
Luminaire Lumens: 13817.1 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.58' x H: 0.67')
CIE Type: Direct

Input Watts (W): 98.8
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°	52770
5°	50470
10°	48231
15°	46055
20°	43124
25°	39900
30°	34435
35°	24435
40°	15031
45°	7970
50°	5912
55°	4274
60°	4055
65°	3898
70°	3572
75°	3071
80°	2309
85°	1250

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7970 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	915.4	6.6
10°-20°	2614.9	18.9
20°-30°	3763.7	27.2
30°-40°	3130.4	22.7
40°-50°	1361.4	9.9
50°-60°	756.1	5.5
60°-70°	637.0	4.6
70°-80°	455.8	3.3
80°-90°	157.5	1.1
90°-100°	2.2	0.0
100°-110°	1.1	0.0
110°-120°	1.9	0.0
120°-130°	2.2	0.0
130°-140°	3.4	0.0
140°-150°	5.3	0.0
150°-160°	4.9	0.0
160°-170°	2.9	0.0
170°-180°	1.1	0.0
0°-30°	7294.0	52.8
0°-40°	10424.4	75.4
0°-60°	12541.9	90.8
0°-90°	13792.2	99.8
90°-120°	5.1	0.0
90°-150°	16.0	0.1
90°-180°	25.0	0.2
0°-180°	13817.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9653	
5°	9628	915
15°	9306	2615
25°	8268	3764
35°	5036	3130
45°	1584	1361
55°	792	756
65°	648	637
75°	436	456
85°	142	148
90°	9	11
95°	1	1
105°	1	1
115°	2	2
125°	2	2
135°	4	3
145°	8	5
155°	10	5
165°	10	3
175°	11	1
180°	11	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9652.7
2.5°	9632.3
5°	9628.2
7.5°	9590.4
10°	9509.7
12.5°	9425.9
15°	9306.4
17.5°	9113.3
20°	8858.9
22.5°	8576.9
25°	8268.3
27.5°	7865.8
30°	7143.5
32.5°	6149.4
35°	5035.8
37.5°	3975.3
40°	3053.8
42.5°	2239.5
45°	1583.6
47.5°	1219.9
50°	1139.2
52.5°	921.5
55°	791.8
57.5°	745.8
60°	715.2
62.5°	685.5
65°	647.7
67.5°	603.8
70°	552.7
72.5°	497.6
75°	436.3
77.5°	368.8
80°	296.3
82.5°	220.7
85°	142.0
87.5°	63.3
90°	9.2
92.5°	1.0
95°	1.0
97.5°	1.0
100°	1.0
102.5°	1.0
105°	1.0
107.5°	1.0
110°	1.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	2.0
115°	2.0
117.5°	2.0
120°	2.0
122.5°	2.0
125°	2.0
127.5°	3.1
130°	3.1
132.5°	4.1
135°	4.1
137.5°	5.1
140°	6.1
142.5°	7.2
145°	8.2
147.5°	10.2
150°	11.2
152.5°	11.2
155°	10.2
157.5°	10.2
160°	10.2
162.5°	10.2
165°	10.2
167.5°	10.2
170°	11.2
172.5°	11.2
175°	11.2
177.5°	11.2
180°	11.2

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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	13.31	14.55	13.68	14.87	15.19	13.31	14.55	13.68	14.87	15.19
	3H	15.43	16.54	15.82	16.87	17.24	15.43	16.54	15.82	16.87	17.24
	4H	16.22	17.26	16.63	17.61	18.00	16.22	17.26	16.63	17.61	18.00
	6H	16.77	17.72	17.19	18.10	18.50	16.77	17.72	17.19	18.10	18.50
	8H	16.92	17.82	17.36	18.22	18.63	16.92	17.82	17.36	18.22	18.63
	12H	17.00	17.86	17.43	18.24	18.68	17.00	17.86	17.43	18.24	18.68
4H	2H	13.93	14.96	14.34	15.32	15.71	13.93	14.96	14.34	15.32	15.71
	3H	16.21	17.07	16.63	17.48	17.89	16.21	17.07	16.63	17.48	17.89
	4H	17.11	17.88	17.55	18.30	18.75	17.11	17.88	17.55	18.30	18.75
	6H	17.77	18.43	18.23	18.88	19.35	17.77	18.43	18.23	18.88	19.35
	8H	17.95	18.57	18.42	19.02	19.50	17.95	18.57	18.42	19.02	19.50
	12H	18.05	18.60	18.54	19.09	19.57	18.05	18.60	18.54	19.09	19.57
8H	4H	17.36	17.99	17.84	18.44	18.91	17.36	17.99	17.84	18.44	18.91
	6H	18.12	18.63	18.63	19.13	19.62	18.12	18.63	18.63	19.13	19.62
	8H	18.37	18.82	18.90	19.34	19.84	18.37	18.82	18.90	19.34	19.84
	12H	18.53	18.93	19.05	19.43	20.00	18.53	18.93	19.05	19.43	20.00
12H	4H	17.37	17.92	17.86	18.41	18.89	17.37	17.92	17.86	18.41	18.89
	6H	18.15	18.60	18.68	19.12	19.62	18.15	18.60	18.68	19.12	19.62
	8H	18.44	18.84	18.96	19.34	19.91	18.44	18.84	18.96	19.34	19.91

END OF REPORT