

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P1221494

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3500K_L32_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221494
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

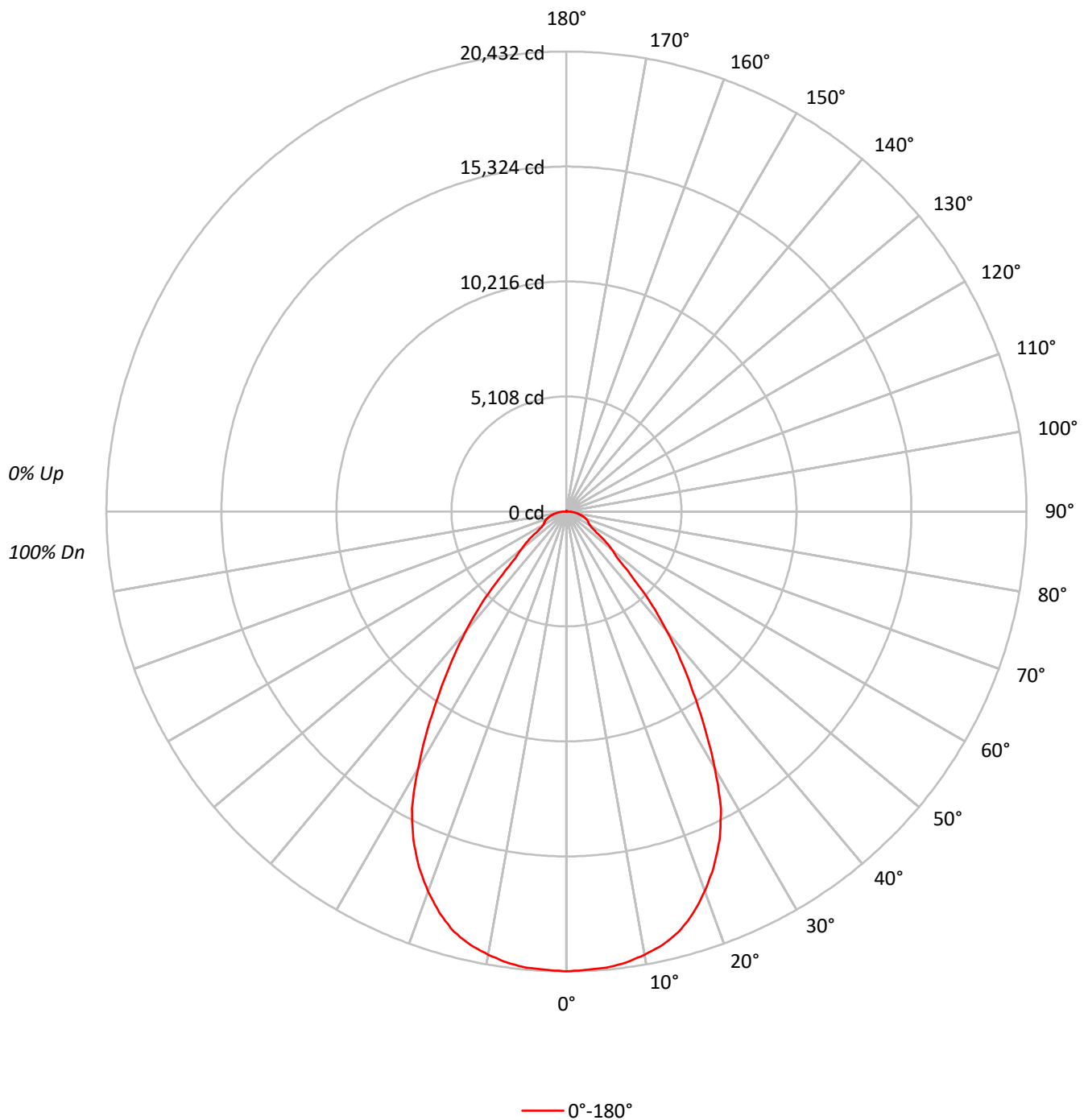
Lumens per Lamp: N/A
Luminaire Lumens: 27888.9 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.05 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 193.3
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	112	108	105	102		109	106	103	100		102	99	97		98	96	94		94	93	91
2	104	98	93	89		102	96	92	88		93	89	86		90	87	84		87	84	82
3	98	90	83	79		95	88	82	78		85	80	76		83	79	75		80	77	74
4	91	82	75	70		89	81	75	70		79	73	69		76	72	68		74	70	67
5	86	76	69	63		84	75	68	63		73	67	62		71	66	62		69	65	61
6	81	70	63	58		79	69	62	58		68	62	57		66	61	57		65	60	56
7	76	65	58	53		74	64	57	53		63	57	52		61	56	52		60	55	52
8	72	60	53	49		70	60	53	49		59	53	48		57	52	48		56	51	48
9	68	56	50	45		66	56	49	45		55	49	45		54	48	45		53	48	44
10	64	53	46	42		63	52	46	42		52	46	42		51	45	41		50	45	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	117818
5°	112041
10°	106140
15°	99732
20°	90833
25°	80426
30°	65670
35°	49024
40°	35196
45°	21645
50°	13896
55°	8922
60°	6777
65°	6409
70°	5859
75°	4997
80°	3838
85°	2229

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 21645 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1930.9	6.9
10°-20°	5409.3	19.4
20°-30°	7300.4	26.2
30°-40°	6159.1	22.1
40°-50°	3375.7	12.1
50°-60°	1561.6	5.6
60°-70°	1041.7	3.7
70°-80°	749.9	2.7
80°-90°	278.1	1.0
90°-100°	7.6	0.0
100°-110°	8.3	0.0
110°-120°	8.8	0.0
120°-130°	9.3	0.0
130°-140°	11.4	0.0
140°-150°	14.7	0.1
150°-160°	12.5	0.0
160°-170°	7.0	0.0
170°-180°	2.5	0.0
0°-30°	14640.6	52.5
0°-40°	20799.7	74.6
0°-60°	25736.9	92.3
0°-90°	27806.7	99.7
90°-120°	24.8	0.1
90°-150°	60.2	0.2
90°-180°	82.0	0.3
0°-180°	27888.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20432	
5°	20347	###
15°	19325	5409
25°	16089	7300
35°	9817	6159
45°	4207	3376
55°	1629	1562
65°	1059	1042
75°	714	750
85°	259	260
90°	7	20
95°	7	6
105°	8	8
115°	9	9
125°	10	9
135°	14	11
145°	24	15
155°	27	12
165°	25	7
175°	27	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20432
2.5°	20385
5°	20347
7.5°	20215
10°	19997
12.5°	19725
15°	19325
17.5°	18718
20°	17954
22.5°	17108
25°	16089
27.5°	14862
30°	13194
32.5°	11465
35°	9817
37.5°	8339
40°	6971
42.5°	5623
45°	4207
47.5°	3060
50°	2629
52.5°	2158
55°	1629
57.5°	1328
60°	1183
62.5°	1113
65°	1059
67.5°	988
70°	906
72.5°	816
75°	714
77.5°	609
80°	499
82.5°	383
85°	259
87.5°	127
90°	7
92.5°	7
95°	7
97.5°	7
100°	7
102.5°	8
105°	8
107.5°	8
110°	8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	9
115°	9
117.5°	9
120°	9
122.5°	10
125°	10
127.5°	11
130°	12
132.5°	13
135°	14
137.5°	17
140°	19
142.5°	21
145°	24
147.5°	26
150°	28
152.5°	28
155°	27
157.5°	26
160°	25
162.5°	24
165°	25
167.5°	25
170°	26
172.5°	26
175°	27
177.5°	28
180°	30

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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	14.86	16.10	15.23	16.42	16.74	14.86	16.10	15.23	16.42	16.74
	3H	16.72	17.82	17.11	18.16	18.53	16.72	17.82	17.11	18.16	18.53
	4H	17.44	18.47	17.85	18.83	19.22	17.44	18.47	17.85	18.83	19.22
	6H	17.96	18.91	18.39	19.29	19.69	17.96	18.91	18.39	19.29	19.69
	8H	18.12	19.01	18.56	19.41	19.82	18.12	19.01	18.56	19.41	19.82
	12H	18.20	19.06	18.64	19.45	19.88	18.20	19.06	18.64	19.45	19.88
4H	2H	15.36	16.39	15.77	16.75	17.14	15.36	16.39	15.77	16.75	17.14
	3H	17.43	18.27	17.85	18.69	19.10	17.43	18.27	17.85	18.69	19.10
	4H	18.26	19.02	18.71	19.45	19.90	18.26	19.02	18.71	19.45	19.90
	6H	18.90	19.56	19.37	20.01	20.48	18.90	19.56	19.37	20.01	20.48
	8H	19.09	19.71	19.57	20.16	20.64	19.09	19.71	19.57	20.16	20.64
	12H	19.21	19.75	19.70	20.24	20.72	19.21	19.75	19.70	20.24	20.72
8H	4H	18.50	19.11	18.97	19.56	20.04	18.50	19.11	18.97	19.56	20.04
	6H	19.24	19.74	19.75	20.25	20.73	19.24	19.74	19.75	20.25	20.73
	8H	19.50	19.95	20.03	20.47	20.97	19.50	19.95	20.03	20.47	20.97
	12H	19.68	20.08	20.20	20.58	21.16	19.68	20.08	20.20	20.58	21.16
12H	4H	18.50	19.04	19.00	19.53	20.02	18.50	19.04	19.00	19.53	20.02
	6H	19.27	19.72	19.80	20.24	20.74	19.27	19.72	19.80	20.24	20.74
	8H	19.57	19.97	20.10	20.47	21.05	19.57	19.97	20.10	20.47	21.05