

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: P1221484

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-WHTE-08 (3000K_L32_Medium_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221484
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-43)
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 (3000K_L32_Medium_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, WHITE SHADE, MEDIUM DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

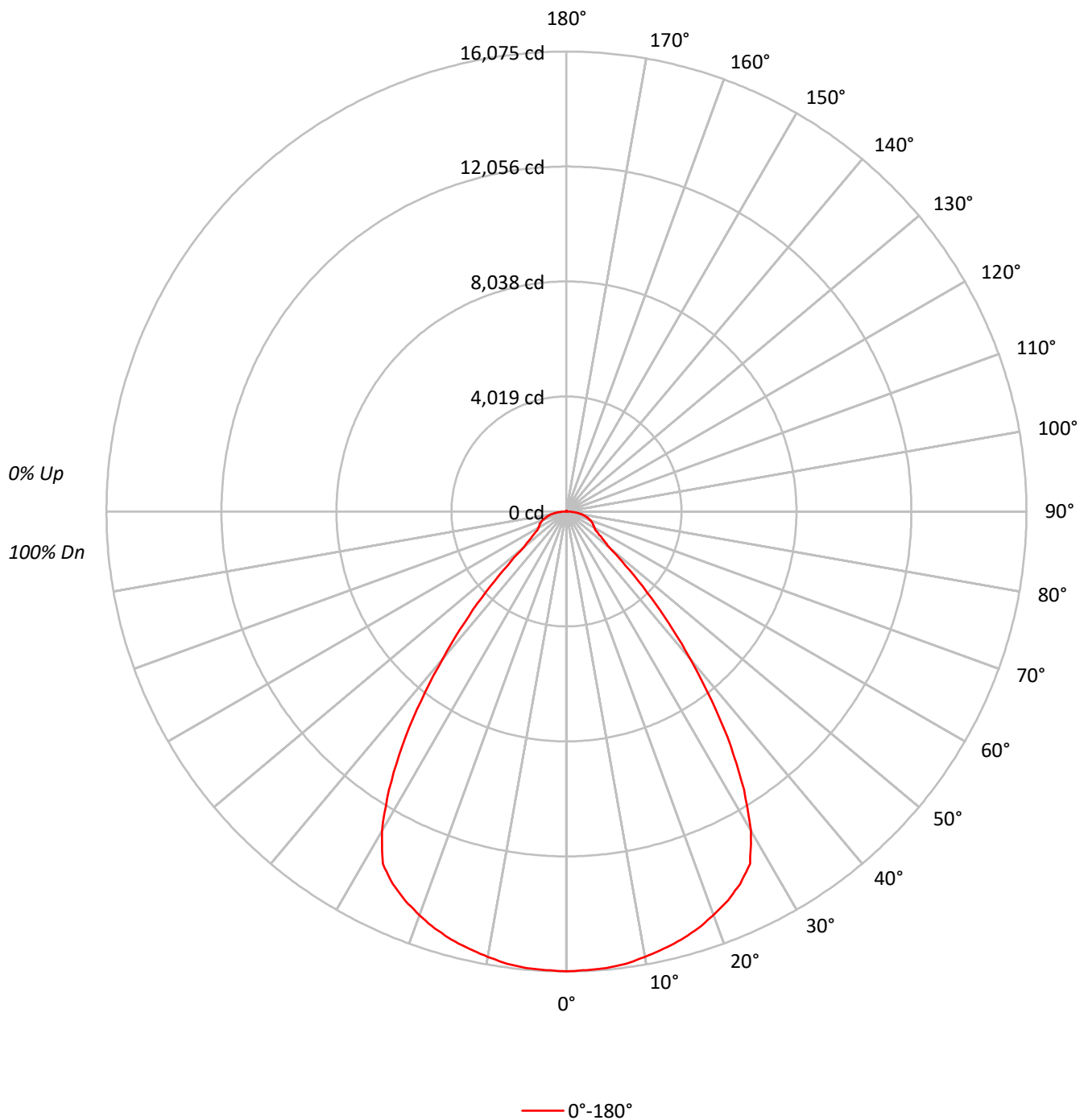
Lumens per Lamp: N/A
Luminaire Lumens: 25087.3 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.1
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

Input Watts (W): 193.1
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	106	103	100		101	99	97		97	96	94		94	92	91
2	104	98	93	88		102	96	91	87		92	89	85		89	86	83		86	84	81
3	97	89	83	78		95	88	82	77		85	80	76		82	78	74		80	76	73
4	91	81	75	69		89	80	74	69		78	72	68		76	71	67		74	70	66
5	85	75	68	62		83	74	67	62		72	66	61		70	65	61		68	64	60
6	80	69	62	57		78	68	61	56		67	60	56		65	60	55		63	59	55
7	75	64	57	52		74	63	56	51		62	56	51		60	55	51		59	54	50
8	71	59	52	47		69	59	52	47		57	51	47		56	51	47		55	50	46
9	67	55	48	44		65	55	48	43		54	48	43		53	47	43		52	47	43
10	63	52	45	40		62	51	45	40		50	44	40		49	44	40		49	43	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92692
5°	88205
10°	83890
15°	79963
20°	75974
25°	71793
30°	64166
35°	49966
40°	33904
45°	20445
50°	10208
55°	7515
60°	6419
65°	6158
70°	5685
75°	4948
80°	3798
85°	2086

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 20445 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1522.4	6.1
10°-20°	4372.0	17.4
20°-30°	6560.8	26.2
30°-40°	6158.9	24.5
40°-50°	3114.5	12.4
50°-60°	1276.4	5.1
60°-70°	1001.0	4.0
70°-80°	738.5	2.9
80°-90°	265.5	1.1
90°-100°	7.5	0.0
100°-110°	7.8	0.0
110°-120°	8.2	0.0
120°-130°	8.6	0.0
130°-140°	10.4	0.0
140°-150°	13.7	0.1
150°-160°	12.2	0.0
160°-170°	6.6	0.0
170°-180°	2.3	0.0
0°-30°	12455.2	49.6
0°-40°	18614.1	74.2
0°-60°	23005.0	91.7
0°-90°	25010.0	99.7
90°-120°	23.6	0.1
90°-150°	56.2	0.2
90°-180°	77.0	0.3
0°-180°	25087.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16075	
5°	16018	###
15°	15494	4372
25°	14362	6561
35°	10006	6159
45°	3974	3115
55°	1372	1276
65°	1018	1001
75°	707	739
85°	242	249
90°	7	18
95°	6	6
105°	7	8
115°	8	8
125°	9	9
135°	14	10
145°	22	14
155°	26	12
165°	23	7
175°	24	2
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16074.7
2.5°	16046.5
5°	16018.2
7.5°	15943.5
10°	15805.1
12.5°	15662.0
15°	15494.4
17.5°	15284.0
20°	15017.0
22.5°	14719.1
25°	14362.0
27.5°	13888.3
30°	12891.7
32.5°	11547.0
35°	10005.6
37.5°	8348.5
40°	6715.0
42.5°	5271.1
45°	3973.8
47.5°	2784.0
50°	1931.3
52.5°	1619.8
55°	1372.0
57.5°	1204.4
60°	1120.5
62.5°	1068.6
65°	1017.6
67.5°	953.8
70°	879.1
72.5°	798.0
75°	706.9
77.5°	606.7
80°	493.8
82.5°	373.5
85°	242.3
87.5°	109.3
90°	7.3
92.5°	6.4
95°	6.4
97.5°	7.3
100°	7.3
102.5°	7.3
105°	7.3
107.5°	7.3
110°	8.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	8.2
115°	8.2
117.5°	8.2
120°	9.1
122.5°	9.1
125°	9.1
127.5°	10.0
130°	10.9
132.5°	11.8
135°	13.7
137.5°	14.6
140°	17.3
142.5°	19.1
145°	21.9
147.5°	24.6
150°	27.3
152.5°	27.3
155°	26.4
157.5°	25.5
160°	23.7
162.5°	22.8
165°	22.8
167.5°	23.7
170°	23.7
172.5°	23.7
175°	23.7
177.5°	24.6
180°	26.4

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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	14.57	15.81	14.94	16.13	16.45	14.57	15.81	14.94	16.13	16.45
	3H	16.62	17.73	17.00	18.06	18.44	16.62	17.73	17.00	18.06	18.44
	4H	17.42	18.45	17.83	18.81	19.20	17.42	18.45	17.83	18.81	19.20
	6H	18.00	18.95	18.42	19.33	19.73	18.00	18.95	18.42	19.33	19.73
	8H	18.16	19.06	18.60	19.46	19.88	18.16	19.06	18.60	19.46	19.88
	12H	18.25	19.11	18.68	19.50	19.94	18.25	19.11	18.68	19.50	19.94
4H	2H	15.14	16.17	15.55	16.53	16.93	15.14	16.17	15.55	16.53	16.93
	3H	17.38	18.24	17.80	18.65	19.06	17.38	18.24	17.80	18.65	19.06
	4H	18.30	19.06	18.74	19.49	19.94	18.30	19.06	18.74	19.49	19.94
	6H	18.99	19.65	19.46	20.10	20.58	18.99	19.65	19.46	20.10	20.58
	8H	19.19	19.81	19.67	20.26	20.74	19.19	19.81	19.67	20.26	20.74
	12H	19.31	19.85	19.80	20.34	20.82	19.31	19.85	19.80	20.34	20.82
8H	4H	18.56	19.18	19.03	19.63	20.11	18.56	19.18	19.03	19.63	20.11
	6H	19.36	19.86	19.87	20.37	20.86	19.36	19.86	19.87	20.37	20.86
	8H	19.62	20.08	20.15	20.60	21.10	19.62	20.08	20.15	20.60	21.10
	12H	19.80	20.20	20.32	20.70	21.28	19.80	20.20	20.32	20.70	21.28
12H	4H	18.57	19.12	19.06	19.60	20.09	18.57	19.12	19.06	19.60	20.09
	6H	19.39	19.84	19.92	20.36	20.86	19.39	19.84	19.92	20.36	20.86
	8H	19.70	20.10	20.22	20.60	21.18	19.70	20.10	20.22	20.60	21.18