

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: P1221422

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (5000K_L32_Narrow_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221422
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-CLER-08 (5000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, CLEAR SHADE, NARROW DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

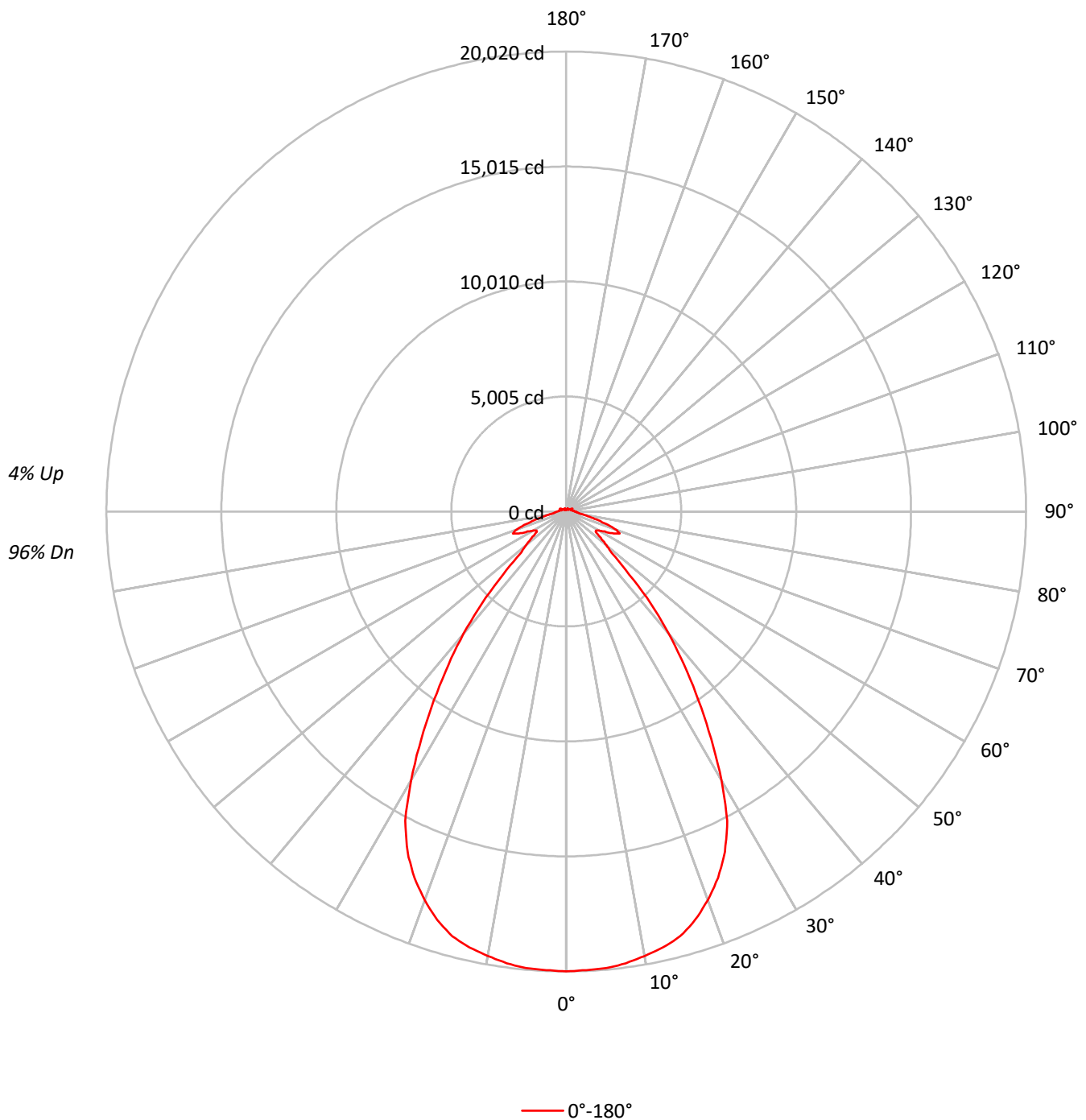
Lumens per Lamp: N/A
Luminaire Lumens: 31092.2 lumens
Efficiency: N/A
Efficacy: 161.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	50	30	10	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	98	98			
1	110	106	102	99	107	103	100	97	98	95	93	94	91	90	89	88	86	86	86	86	86	84			
2	102	95	89	84	99	93	88	83	89	84	81	85	81	78	81	79	76	76	76	76	74	74			
3	95	86	79	74	92	84	78	73	81	76	71	78	73	70	75	71	68	68	68	68	66	66			
4	88	78	71	65	86	77	70	65	74	68	64	71	66	62	69	65	61	61	61	61	59	59			
5	83	72	64	59	80	71	64	58	68	62	57	66	61	57	64	59	56	56	56	56	54	54			
6	78	66	59	53	76	65	58	53	63	57	52	61	56	52	59	55	51	51	51	51	49	49			
7	73	61	54	49	71	60	53	48	59	52	48	57	51	47	55	50	47	47	47	47	45	45			
8	69	57	50	45	67	56	49	44	55	48	44	53	48	44	52	47	43	43	43	43	41	41			
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40	40	40	40	38	38			
10	61	50	43	38	60	49	43	38	48	42	38	47	41	38	46	41	37	37	37	37	36	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	115442
5°	109913
10°	104274
15°	98819
20°	91128
25°	81745
30°	67256
35°	50113
40°	35078
45°	20007
50°	12042
55°	8540
60°	9525
65°	13812
70°	14851
75°	9455
80°	5522
85°	4123

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20007 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1894.8	6.1
10°-20°	5368.3	17.3
20°-30°	7411.8	23.8
30°-40°	6268.7	20.2
40°-50°	3165.4	10.2
50°-60°	1555.8	5.0
60°-70°	2158.8	6.9
70°-80°	1492.4	4.8
80°-90°	548.4	1.8
90°-100°	344.0	1.1
100°-110°	241.9	0.8
110°-120°	262.8	0.8
120°-130°	124.3	0.4
130°-140°	79.6	0.3
140°-150°	84.1	0.3
150°-160°	59.9	0.2
160°-170°	25.3	0.1
170°-180°	5.9	0.0
0°-30°	14674.9	47.2
0°-40°	20943.6	67.4
0°-60°	25664.8	82.5
0°-90°	29864.4	96.1
90°-120°	848.7	2.7
90°-150°	1136.7	3.7
90°-180°	1228.0	3.9
0°-180°	31092.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20020	
5°	19960	###
15°	19148	5368
25°	16353	7412
35°	10035	6269
45°	3889	3165
55°	1559	1556
65°	2282	2159
75°	1351	1492
85°	479	438
90°	374	208
95°	314	246
105°	206	242
115°	280	263
125°	131	124
135°	100	80
145°	136	84
155°	131	60
165°	86	25
175°	60	6
180°	60	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20020.0
2.5°	19983.0
5°	19960.5
7.5°	19836.3
10°	19645.5
12.5°	19447.6
15°	19148.0
17.5°	18655.7
20°	18012.5
22.5°	17267.8
25°	16352.8
27.5°	15179.3
30°	13512.5
32.5°	11733.8
35°	10035.1
37.5°	8429.8
40°	6947.5
42.5°	5442.7
45°	3888.7
47.5°	2679.3
50°	2278.2
52.5°	1894.6
55°	1559.2
57.5°	1537.6
60°	1662.8
62.5°	1896.6
65°	2282.3
67.5°	2518.3
70°	2296.7
72.5°	1830.0
75°	1350.9
77.5°	978.6
80°	718.0
82.5°	556.0
85°	479.0
87.5°	430.8
90°	374.4
92.5°	340.6
95°	313.9
97.5°	290.3
100°	257.5
102.5°	219.5
105°	206.2
107.5°	224.6
110°	271.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	299.5
115°	280.0
117.5°	241.1
120°	200.0
122.5°	162.1
125°	131.3
127.5°	108.7
130°	96.4
132.5°	93.3
135°	99.5
137.5°	110.8
140°	122.1
142.5°	131.3
145°	136.4
147.5°	138.5
150°	138.5
152.5°	136.4
155°	131.3
157.5°	122.1
160°	110.8
162.5°	98.5
165°	86.2
167.5°	74.9
170°	64.6
172.5°	61.5
175°	60.5
177.5°	59.5
180°	59.5

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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	15.35	16.60	15.78	17.00	17.42	15.35	16.60	15.78	17.00	17.42
	3H	20.56	21.69	21.01	22.10	22.57	20.56	21.69	21.01	22.10	22.57
	4H	21.37	22.42	21.84	22.86	23.34	21.37	22.42	21.84	22.86	23.34
	6H	21.68	22.66	22.17	23.11	23.60	21.68	22.66	22.17	23.11	23.60
	8H	21.76	22.69	22.26	23.16	23.66	21.76	22.69	22.26	23.16	23.66
	12H	21.82	22.71	22.32	23.17	23.70	21.82	22.71	22.32	23.17	23.70
4H	2H	17.09	18.15	17.57	18.59	19.07	17.09	18.15	17.57	18.59	19.07
	3H	21.62	22.51	22.10	22.99	23.49	21.62	22.51	22.10	22.99	23.49
	4H	22.42	23.23	22.92	23.72	24.26	22.42	23.23	22.92	23.72	24.26
	6H	22.79	23.49	23.32	24.01	24.56	22.79	23.49	23.32	24.01	24.56
	8H	22.88	23.54	23.42	24.05	24.62	22.88	23.54	23.42	24.05	24.62
	12H	22.97	23.55	23.52	24.10	24.67	22.97	23.55	23.52	24.10	24.67
8H	4H	22.64	23.29	23.17	23.81	24.37	22.64	23.29	23.17	23.81	24.37
	6H	23.07	23.60	23.63	24.17	24.74	23.07	23.60	23.63	24.17	24.74
	8H	23.21	23.68	23.79	24.26	24.85	23.21	23.68	23.79	24.26	24.85
	12H	23.36	23.77	23.93	24.34	24.99	23.36	23.77	23.93	24.34	24.99
12H	4H	22.63	23.21	23.18	23.76	24.32	22.63	23.21	23.18	23.76	24.32
	6H	23.06	23.54	23.65	24.12	24.71	23.06	23.54	23.65	24.12	24.71
	8H	23.24	23.66	23.82	24.23	24.88	23.24	23.66	23.82	24.23	24.88

END OF REPORT