

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: P1221468

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (5000K_L32_Wide_120V)

Issue Date: 1/21/2026

Test Information

Test Method: LM-79-2019
Report Number: P1221468
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2510-574-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-TRWH-08 (5000K_L32_Wide_120V)
Description: PrentaLux UHBS2 SELECTABLE HIGH BAY. 2436 LIGHT ENGINE, TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION.
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

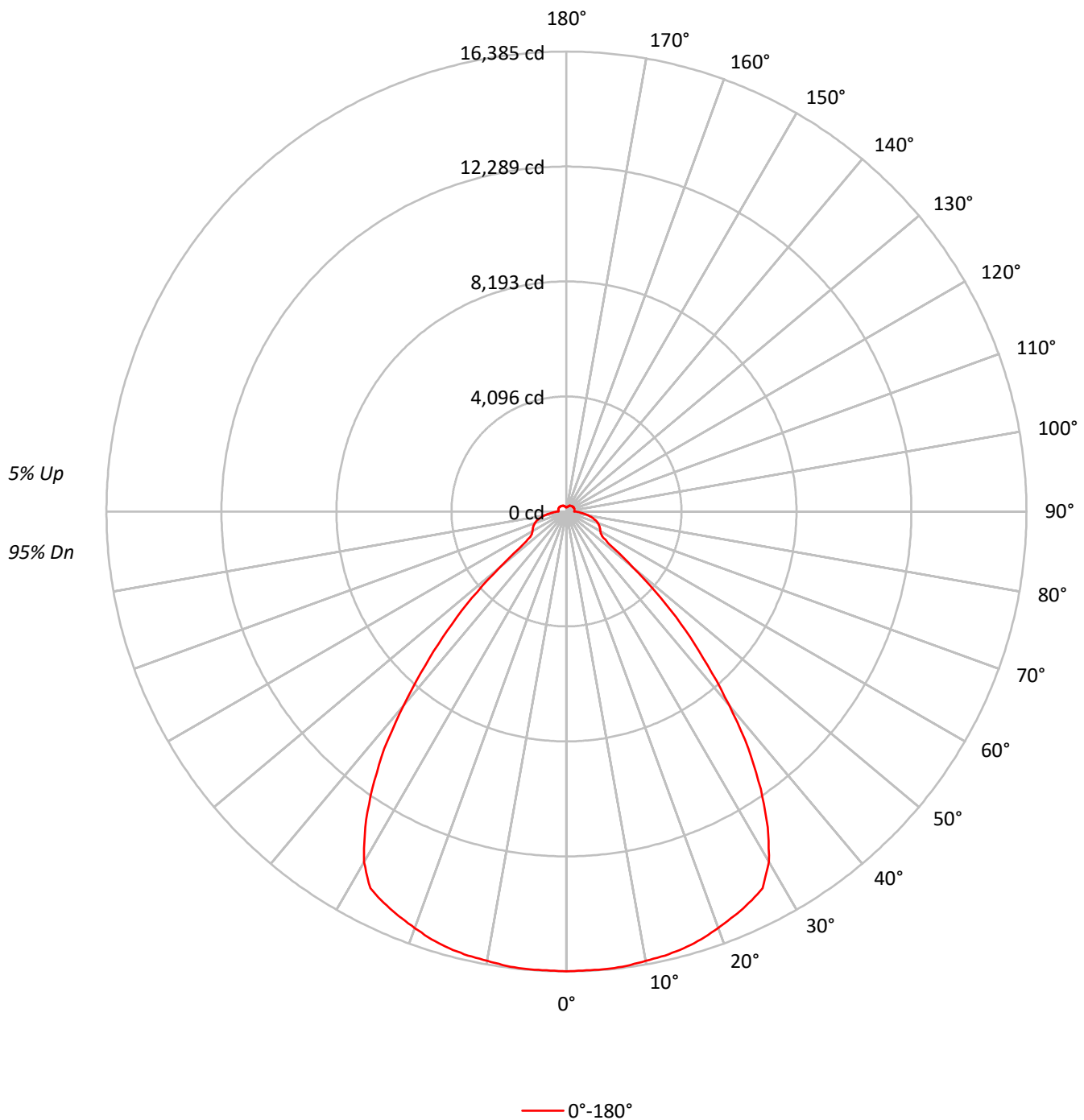
Lumens per Lamp: N/A
Luminaire Lumens: 31435.1 lumens
Efficiency: N/A
Efficacy: 162.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.54' x H: 0.71')
CIE Type: Direct

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	118	118	118	118		114	114	114	114		108	108	108		102	102	102		97	97	97
1	110	106	102	99		106	103	100	97		98	95	93		93	91	89		89	87	86
2	102	95	90	85		99	93	88	84		89	84	81		85	81	78		81	78	76
3	95	86	79	74		92	84	78	73		81	75	71		77	73	69		74	71	68
4	88	78	71	65		86	77	70	65		74	68	63		71	66	62		68	64	61
5	82	72	64	58		80	70	63	58		68	62	57		65	60	56		63	58	55
6	77	66	58	53		75	64	57	52		62	56	51		60	55	51		58	53	50
7	72	60	53	48		70	59	52	47		57	51	47		56	50	46		54	49	45
8	68	56	48	43		66	55	48	43		53	47	43		52	46	42		50	45	41
9	64	52	45	40		62	51	44	39		50	43	39		48	43	39		47	42	38
10	60	48	41	36		58	47	41	36		46	40	36		45	39	36		44	39	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	94479
5°	90121
10°	86285
15°	83192
20°	79929
25°	76935
30°	71779
35°	60241
40°	45457
45°	30895
50°	16374
55°	8557
60°	7985
65°	7921
70°	7674
75°	7079
80°	5957
85°	4467

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 30895 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1558.7	5.0
10°-20°	4552.5	14.5
20°-30°	7068.9	22.5
30°-40°	7436.7	23.7
40°-50°	4597.6	14.6
50°-60°	1600.3	5.1
60°-70°	1290.1	4.1
70°-80°	1055.9	3.4
80°-90°	567.1	1.8
90°-100°	312.4	1.0
100°-110°	313.3	1.0
110°-120°	293.3	0.9
120°-130°	256.1	0.8
130°-140°	208.1	0.7
140°-150°	156.3	0.5
150°-160°	102.5	0.3
160°-170°	51.1	0.2
170°-180°	14.5	0.0
0°-30°	13180.1	41.9
0°-40°	20616.8	65.6
0°-60°	26814.6	85.3
0°-90°	29727.6	94.6
90°-120°	919.0	2.9
90°-150°	1539.4	4.9
90°-180°	1708.0	5.4
0°-180°	31435.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16385	
5°	16366	###
15°	16120	4552
25°	15391	7069
35°	12063	7437
45°	6005	4598
55°	1562	1600
65°	1309	1290
75°	1011	1056
85°	519	476
90°	278	168
95°	286	235
105°	296	313
115°	295	293
125°	285	256
135°	269	208
145°	249	156
155°	222	102
165°	178	51
175°	152	15
180°	149	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16384.6
2.5°	16360.0
5°	16366.2
7.5°	16332.3
10°	16256.4
12.5°	16204.1
15°	16120.0
17.5°	15980.5
20°	15798.9
22.5°	15598.9
25°	15390.7
27.5°	15129.1
30°	14421.3
32.5°	13346.3
35°	12063.1
37.5°	10651.6
40°	9003.2
42.5°	7440.9
45°	6004.9
47.5°	4568.8
50°	3097.8
52.5°	1929.5
55°	1562.2
57.5°	1451.5
60°	1394.0
62.5°	1349.9
65°	1308.9
67.5°	1254.5
70°	1186.8
72.5°	1107.8
75°	1011.4
77.5°	898.6
80°	774.5
82.5°	647.3
85°	519.0
87.5°	388.8
90°	278.0
92.5°	283.1
95°	286.2
97.5°	290.3
100°	293.4
102.5°	295.4
105°	296.4
107.5°	297.5
110°	297.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	297.5
115°	295.4
117.5°	294.4
120°	291.3
122.5°	289.3
125°	285.2
127.5°	282.1
130°	278.0
132.5°	272.9
135°	268.8
137.5°	263.6
140°	258.5
142.5°	253.4
145°	249.3
147.5°	243.1
150°	237.0
152.5°	229.8
155°	221.6
157.5°	211.3
160°	200.0
162.5°	189.8
165°	178.5
167.5°	166.2
170°	154.9
172.5°	151.8
175°	151.8
177.5°	149.8
180°	148.7

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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	14.80	16.02	15.26	16.45	16.90	14.80	16.02	15.26	16.45	16.90
	3H	17.18	18.27	17.66	18.72	19.22	17.18	18.27	17.66	18.72	19.22
	4H	18.18	19.20	18.67	19.66	20.17	18.18	19.20	18.67	19.66	20.17
	6H	18.96	19.90	19.47	20.38	20.90	18.96	19.90	19.47	20.38	20.90
	8H	19.24	20.13	19.76	20.63	21.16	19.24	20.13	19.76	20.63	21.16
	12H	19.45	20.31	19.98	20.80	21.36	19.45	20.31	19.98	20.80	21.36
4H	2H	15.47	16.49	15.97	16.95	17.47	15.47	16.49	15.97	16.95	17.47
	3H	18.04	18.89	18.55	19.40	19.93	18.04	18.89	18.55	19.40	19.93
	4H	19.16	19.92	19.68	20.44	21.01	19.16	19.92	19.68	20.44	21.01
	6H	20.07	20.73	20.62	21.28	21.87	20.07	20.73	20.62	21.28	21.87
	8H	20.40	21.02	20.96	21.57	22.16	20.40	21.02	20.96	21.57	22.16
	12H	20.67	21.22	21.24	21.80	22.40	20.67	21.22	21.24	21.80	22.40
8H	4H	19.49	20.12	20.05	20.66	21.26	19.49	20.12	20.05	20.66	21.26
	6H	20.54	21.05	21.13	21.64	22.25	20.54	21.05	21.13	21.64	22.25
	8H	20.96	21.43	21.57	22.03	22.65	20.96	21.43	21.57	22.03	22.65
	12H	21.33	21.74	21.94	22.33	23.02	21.33	21.74	21.94	22.33	23.02
12H	4H	19.53	20.08	20.10	20.66	21.26	19.53	20.08	20.10	20.66	21.26
	6H	20.61	21.07	21.21	21.67	22.29	20.61	21.07	21.21	21.67	22.29
	8H	21.09	21.50	21.69	22.09	22.78	21.09	21.50	21.69	22.09	22.78