

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: METALUX

Report Number: P798335

Luminaire Tested: 14CBRK-SL3-UNV-LOW-3500K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798335  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-192-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 14CBRK-SL3-UNV-LOW-3500K  
Description: CBRK-S Center Basket Retrofit Kit  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

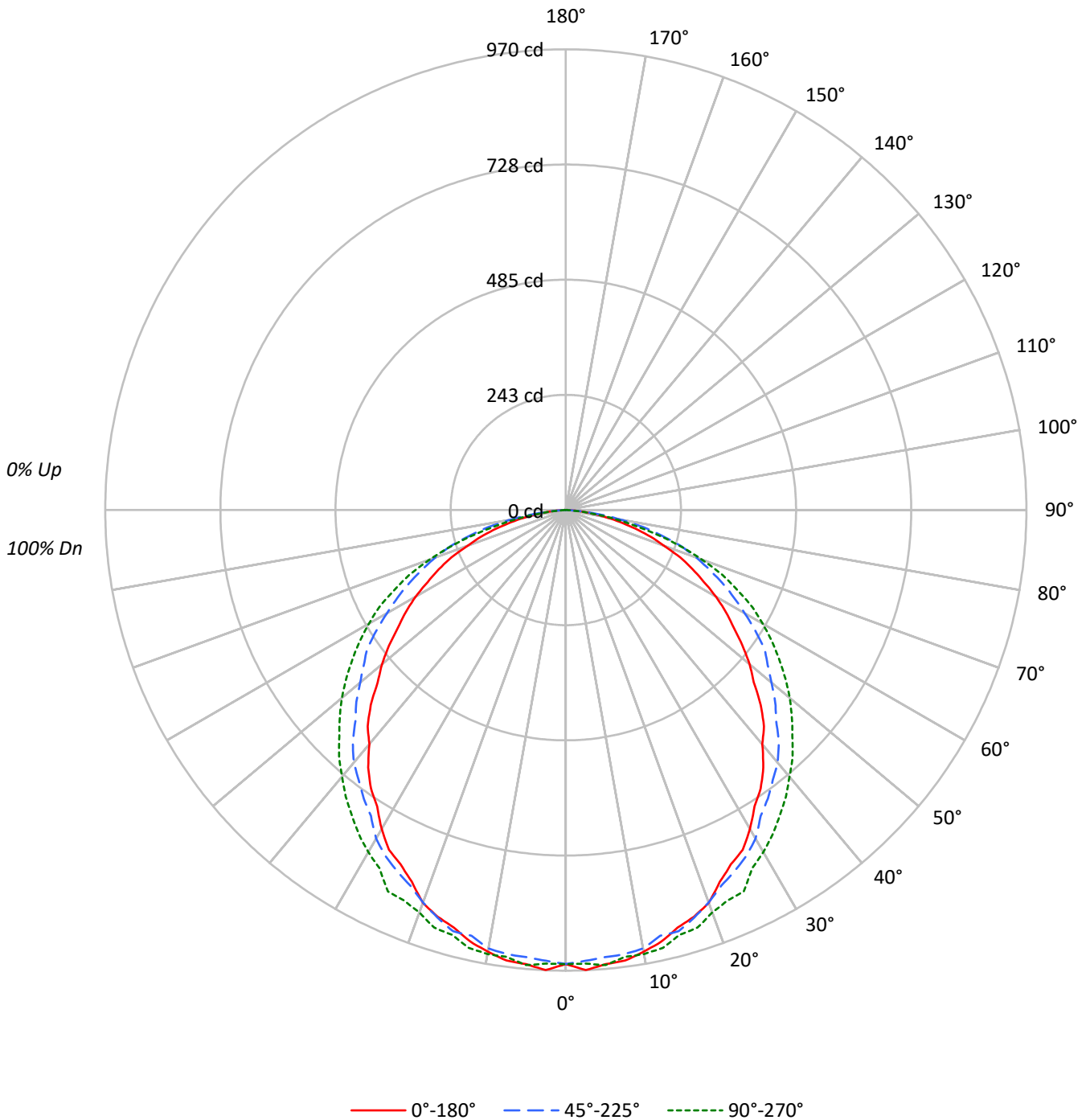
Lumens per Lamp: N/A  
Luminaire Lumens: 2734.8 lumens  
Efficiency: N/A  
Efficacy: 138.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.29 / 1.37  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 19.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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



TEST NUMBER: P798335  
CATALOG NUMBER: 14CBRK-SL3-UNV-LOW-3500K

### Luminous Intensity Polar Plot





TEST NUMBER: P798335

CATALOG NUMBER: 14CBRK-SL3-UNV-LOW-3500K

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	86	86	86	84
2	99	90	83	78	96	88	82	77	85	80	75	82	77	73	79	75	72	72	72	72	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	60	60	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	52	52	52	50
5	76	63	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	45	45	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	39	39	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	35	35	35	33
8	60	46	38	32	59	46	38	32	44	37	32	43	36	31	42	36	31	31	31	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	28	28	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	26	26	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2572	2572	2572
5°	2593	2553	2598
10°	2580	2562	2593
15°	2536	2558	2579
20°	2521	2518	2582
25°	2444	2493	2631
30°	2410	2482	2585
35°	2350	2436	2580
40°	2261	2438	2575
45°	2210	2383	2568
50°	2115	2366	2577
55°	2024	2397	2574
60°	1967	2343	2577
65°	1876	2315	2537
70°	1732	2296	2395
75°	1572	2177	2057
80°	1292	1833	1502
85°	898	988	479

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 62.5°  
 Luminance: 2582 cd/sqm



TEST NUMBER: P798335  
 CATALOG NUMBER: 14CBRK-SL3-UNV-LOW-3500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.6	3.3
10°-20°	258.8	9.5
20°-30°	390.7	14.3
30°-40°	468.2	17.1
40°-50°	485.8	17.8
50°-60°	445.0	16.3
60°-70°	351.0	12.8
70°-80°	202.6	7.4
80°-90°	42.1	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	740.1	27.1
0°-40°	1208.3	44.2
0°-60°	2139.1	78.2
0°-90°	2734.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2734.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	956	956	956	956	956	
5°	960	948	945	946	962	91
15°	910	913	918	918	926	258
25°	823	835	840	866	886	381
35°	716	721	742	775	785	446
45°	581	593	626	669	675	446
55°	431	456	511	538	549	388
65°	295	317	364	396	398	291
75°	151	177	209	206	198	160
85°	29	43	32	18	16	37
90°	0	0	0	0	0	



TEST NUMBER: P798335

CATALOG NUMBER: 14CBRK-SL3-UNV-LOW-3500K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	955.9	955.9	955.9	955.9	955.9
2.5°	969.5	953.0	950.1	954.0	955.9
5°	959.8	948.1	945.2	946.2	961.7
7.5°	956.9	956.9	943.3	944.3	949.1
10°	944.3	943.3	937.5	938.4	949.1
12.5°	930.7	929.7	918.1	933.6	944.3
15°	910.3	913.2	918.1	918.1	925.8
17.5°	897.7	898.7	899.7	907.4	922.0
20°	880.3	876.4	879.3	892.9	901.6
22.5°	847.3	868.6	856.0	881.2	890.0
25°	823.1	834.7	839.6	865.7	886.1
27.5°	806.6	813.4	822.1	840.5	850.2
30°	775.6	783.3	798.8	818.2	831.8
32.5°	739.7	751.3	763.9	801.8	810.5
35°	715.5	721.3	741.6	774.6	785.3
37.5°	683.5	698.0	716.4	753.3	761.0
40°	643.7	661.2	694.1	729.0	732.9
42.5°	617.6	628.2	664.1	694.1	706.7
45°	580.7	593.3	626.3	668.9	674.8
47.5°	537.1	556.5	598.2	636.9	645.7
50°	505.1	530.3	565.2	604.9	615.6
52.5°	469.2	491.5	536.1	572.0	582.7
55°	431.4	455.7	510.9	538.1	548.7
57.5°	399.4	417.8	473.1	502.2	514.8
60°	365.5	384.9	435.3	470.2	478.9
62.5°	327.7	350.0	399.4	436.3	443.0
65°	294.7	317.0	363.6	396.5	398.5
67.5°	260.8	281.1	326.7	353.9	356.8
70°	220.1	242.4	291.8	305.4	304.4
72.5°	188.1	210.4	255.9	258.8	253.0
75°	151.2	177.4	209.4	206.5	197.8
77.5°	117.3	145.4	167.7	152.2	144.5
80°	83.4	112.5	118.3	105.7	96.9
82.5°	55.3	78.5	73.7	58.2	55.3
85°	29.1	42.7	32.0	18.4	15.5
87.5°	11.6	11.6	3.9	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)