

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: P798336

Luminaire Tested: 14CBRK-SL3-UNV-LOW-4000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798336  
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-4000K  
Description: CBRK-S Center Basket Retrofit Kit  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

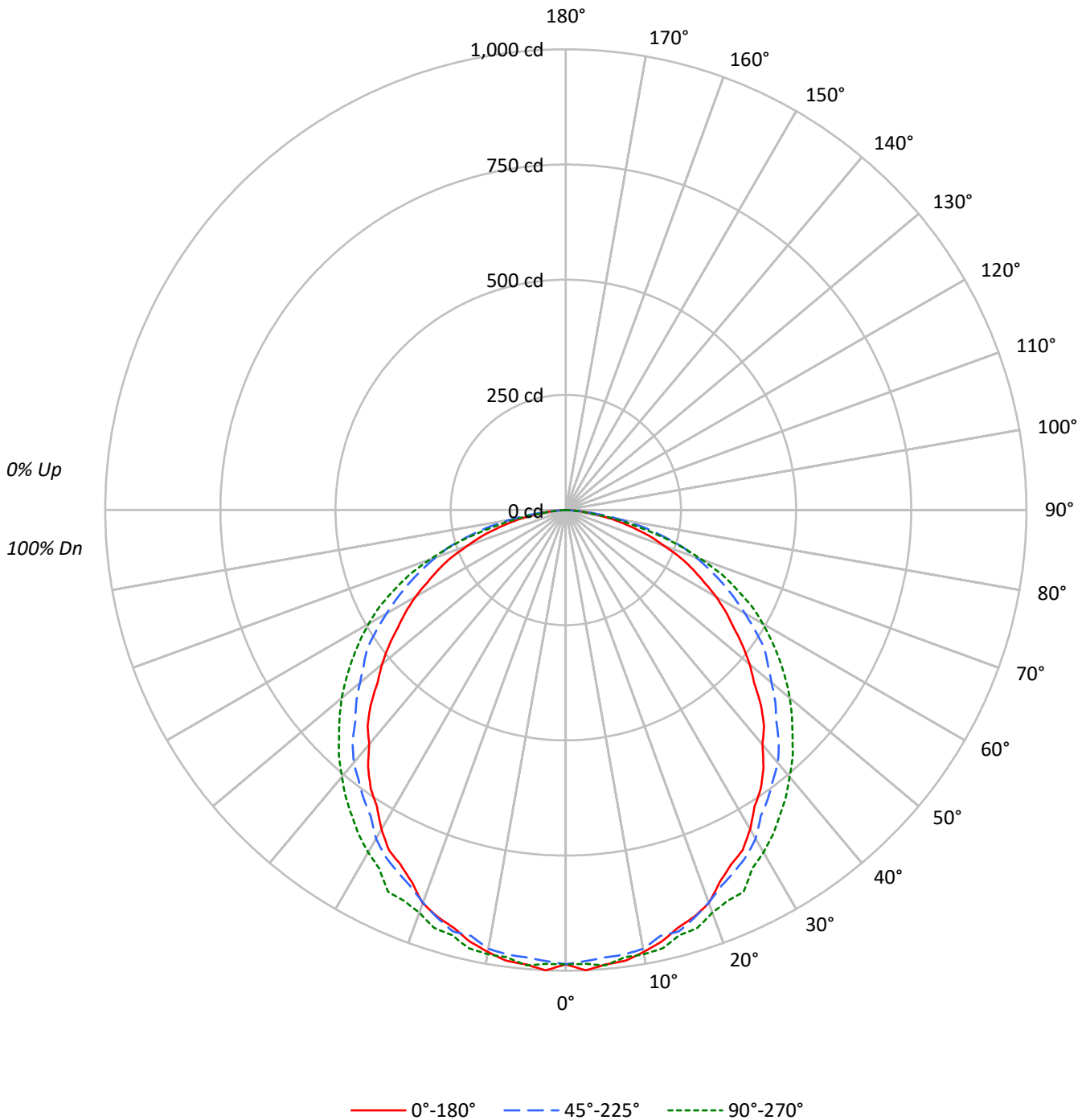
Lumens per Lamp: N/A  
Luminaire Lumens: 2820.9 lumens  
Efficiency: N/A  
Efficacy: 142.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.29 / 1.37  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 19.8  
Input Voltage (V): 120  
Input Current (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



TEST NUMBER: P798336  
CATALOG NUMBER: 14CBRK-SL3-UNV-LOW-4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P798336  
 CATALOG NUMBER: 14CBRK-SL3-UNV-LOW-4000K

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

RF	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°	2653	2653	2653
5°	2674	2634	2680
10°	2661	2642	2675
15°	2616	2638	2661
20°	2600	2597	2663
25°	2521	2571	2714
30°	2486	2560	2666
35°	2424	2513	2661
40°	2333	2515	2656
45°	2280	2458	2649
50°	2181	2441	2658
55°	2088	2472	2655
60°	2029	2416	2659
65°	1936	2388	2617
70°	1786	2368	2471
75°	1622	2246	2121
80°	1333	1891	1550
85°	926	1019	494

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 62.5°  
 Luminance: 2663 cd/sqm



TEST NUMBER: P798336  
 CATALOG NUMBER: 14CBRK-SL3-UNV-LOW-4000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.4	3.3
10°-20°	267.0	9.5
20°-30°	403.0	14.3
30°-40°	483.0	17.1
40°-50°	501.1	17.8
50°-60°	459.0	16.3
60°-70°	362.0	12.8
70°-80°	209.0	7.4
80°-90°	43.5	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°	763.4	27.1
0°-40°	1246.4	44.2
0°-60°	2206.5	78.2
0°-90°	2820.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2820.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	986	986	986	986	986	
5°	990	978	975	976	992	94
15°	939	942	947	947	955	266
25°	849	861	866	893	914	393
35°	738	744	765	799	810	460
45°	599	612	646	690	696	460
55°	445	470	527	555	566	400
65°	304	327	375	409	411	300
75°	156	183	216	213	204	165
85°	30	44	33	19	16	39
90°	0	0	0	0	0	



TEST NUMBER: P798336

CATALOG NUMBER: 14CBRK-SL3-UNV-LOW-4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	986	986	986	986	986
2.5°	1000	983	980	984	986
5°	990	978	975	976	992
7.5°	987	987	973	974	979
10°	974	973	967	968	979
12.5°	960	959	947	963	974
15°	939	942	947	947	955
17.5°	926	927	928	936	951
20°	908	904	907	921	930
22.5°	874	896	883	909	918
25°	849	861	866	893	914
27.5°	832	839	848	867	877
30°	800	808	824	844	858
32.5°	763	775	788	827	836
35°	738	744	765	799	810
37.5°	705	720	739	777	785
40°	664	682	716	752	756
42.5°	637	648	685	716	729
45°	599	612	646	690	696
47.5°	554	574	617	657	666
50°	521	547	583	624	635
52.5°	484	507	553	590	601
55°	445	470	527	555	566
57.5°	412	431	488	518	531
60°	377	397	449	485	494
62.5°	338	361	412	450	457
65°	304	327	375	409	411
67.5°	269	290	337	365	368
70°	227	250	301	315	314
72.5°	194	217	264	267	261
75°	156	183	216	213	204
77.5°	121	150	173	157	149
80°	86	116	122	109	100
82.5°	57	81	76	60	57
85°	30	44	33	19	16
87.5°	12	12	4	3	3
90°	0	0	0	0	0

(END OF REPORT)