

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: P798360

Luminaire Tested: 22CBRK-SL3-UNV-LOW-3500K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798360  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-063-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 22CBRK-SL3-UNV-LOW-3500K  
Description: CBRK-S Center Basket Retrofit Kit  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

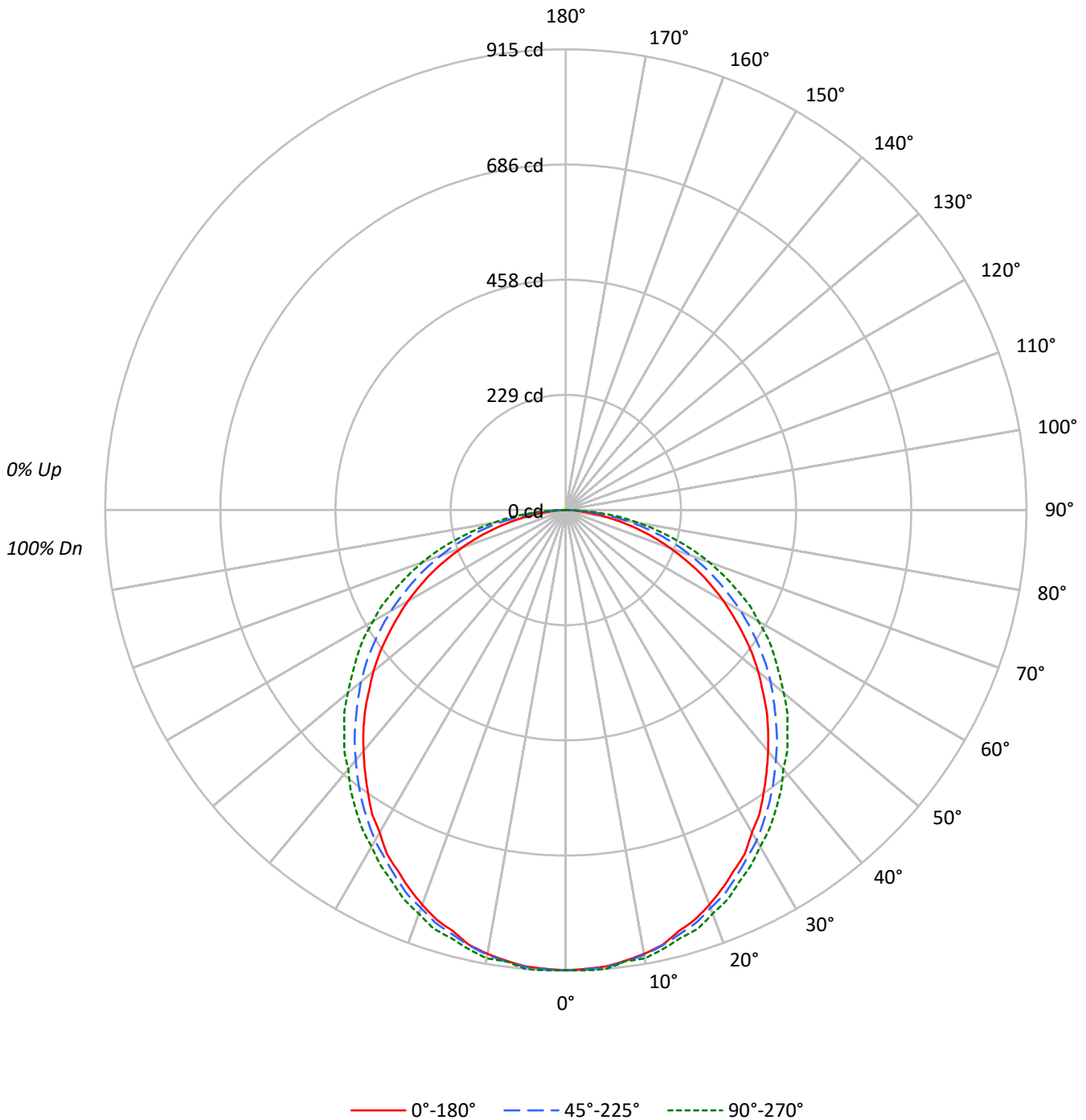
Lumens per Lamp: N/A  
Luminaire Lumens: 2611.0 lumens  
Efficiency: N/A  
Efficacy: 149.2 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 17.5  
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			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	100	100	100	100
1	108	103	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83	83	83	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69	69	69	69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58	58	58	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49	49	49	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42	42	42	42
6	69	56	47	40	68	55	46	40	53	46	40	52	45	39	50	44	39	37	37	37	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33	33	33	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29	29	29	29
9	56	42	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26	26	26	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24	24	24	24

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

	0°	45°	90°
0°	2460	2460	2460
5°	2458	2461	2472
10°	2446	2451	2470
15°	2413	2430	2452
20°	2389	2409	2443
25°	2346	2382	2420
30°	2297	2356	2399
35°	2251	2320	2389
40°	2196	2280	2361
45°	2147	2246	2367
50°	2089	2223	2366
55°	2017	2191	2374
60°	1948	2158	2379
65°	1866	2120	2388
70°	1731	2077	2384
75°	1570	2017	2329
80°	1317	1875	2263
85°	895	1729	2130

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 62.5°  
 Luminance: 2401 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.5	3.3
10°-20°	246.7	9.4
20°-30°	370.3	14.2
30°-40°	441.9	16.9
40°-50°	457.0	17.5
50°-60°	418.2	16.0
60°-70°	330.0	12.6
70°-80°	201.4	7.7
80°-90°	59.0	2.3
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
<b>0°-30°</b>	<b>703.5</b>	<b>26.9</b>
<b>0°-40°</b>	<b>1145.5</b>	<b>43.9</b>
<b>0°-60°</b>	<b>2020.6</b>	<b>77.4</b>
<b>0°-90°</b>	<b>2611.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>2611.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	914	914	914	914	914	
5°	910	910	911	912	915	86
15°	866	871	872	878	880	245
25°	790	795	802	814	815	364
35°	685	691	706	724	727	429
45°	564	572	590	614	622	435
55°	430	440	467	494	506	385
65°	293	304	333	367	375	289
75°	151	165	194	216	224	160
85°	29	40	56	66	69	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	914.1	914.1	914.1	914.1	914.1
2.5°	912.1	912.1	913.1	914.1	915.1
5°	910.1	910.1	911.1	912.1	915.1
7.5°	903.1	902.1	905.1	907.1	904.1
10°	895.1	894.1	897.1	900.1	904.1
12.5°	885.1	885.1	886.1	891.1	893.1
15°	866.1	871.1	872.1	878.1	880.1
17.5°	853.1	856.1	860.1	865.1	872.1
20°	834.1	836.1	841.1	851.1	853.1
22.5°	813.1	816.1	825.1	832.1	838.1
25°	790.1	795.1	802.1	814.1	815.1
27.5°	770.1	772.1	779.1	793.1	796.1
30°	739.1	745.1	758.1	770.1	772.1
32.5°	716.1	719.1	732.1	745.1	752.1
35°	685.1	691.1	706.1	724.1	727.1
37.5°	655.1	662.1	678.1	698.1	702.1
40°	625.1	633.1	649.1	670.1	672.1
42.5°	595.1	603.1	621.1	640.1	651.1
45°	564.1	572.1	590.1	614.1	622.1
47.5°	530.1	539.1	560.1	584.1	597.1
50°	499.0	507.0	531.1	557.1	565.1
52.5°	466.0	475.0	500.0	525.0	534.1
55°	430.0	440.0	467.0	494.0	506.0
57.5°	396.0	406.0	434.0	465.0	477.0
60°	362.0	372.0	401.0	431.0	442.0
62.5°	327.0	338.0	366.0	399.0	412.0
65°	293.0	304.0	333.0	367.0	375.0
67.5°	256.0	268.0	299.0	329.0	339.0
70°	220.0	234.0	264.0	293.0	303.0
72.5°	185.0	199.0	230.0	256.0	266.0
75°	151.0	165.0	194.0	216.0	224.0
77.5°	117.0	131.0	158.0	178.0	185.0
80°	85.0	98.0	121.0	139.0	146.0
82.5°	54.0	68.0	88.0	103.0	110.0
85°	29.0	40.0	56.0	66.0	69.0
87.5°	10.0	15.0	22.0	25.0	23.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)