

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: P798126

Luminaire Tested: 14GRSCT3-A-UNV-HIGH-3000K

Issue Date: 3/16/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P798126  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P290984)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/16/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 14GRSCT3-A-UNV-HIGH-3000K  
Description: GRLED Selectable  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

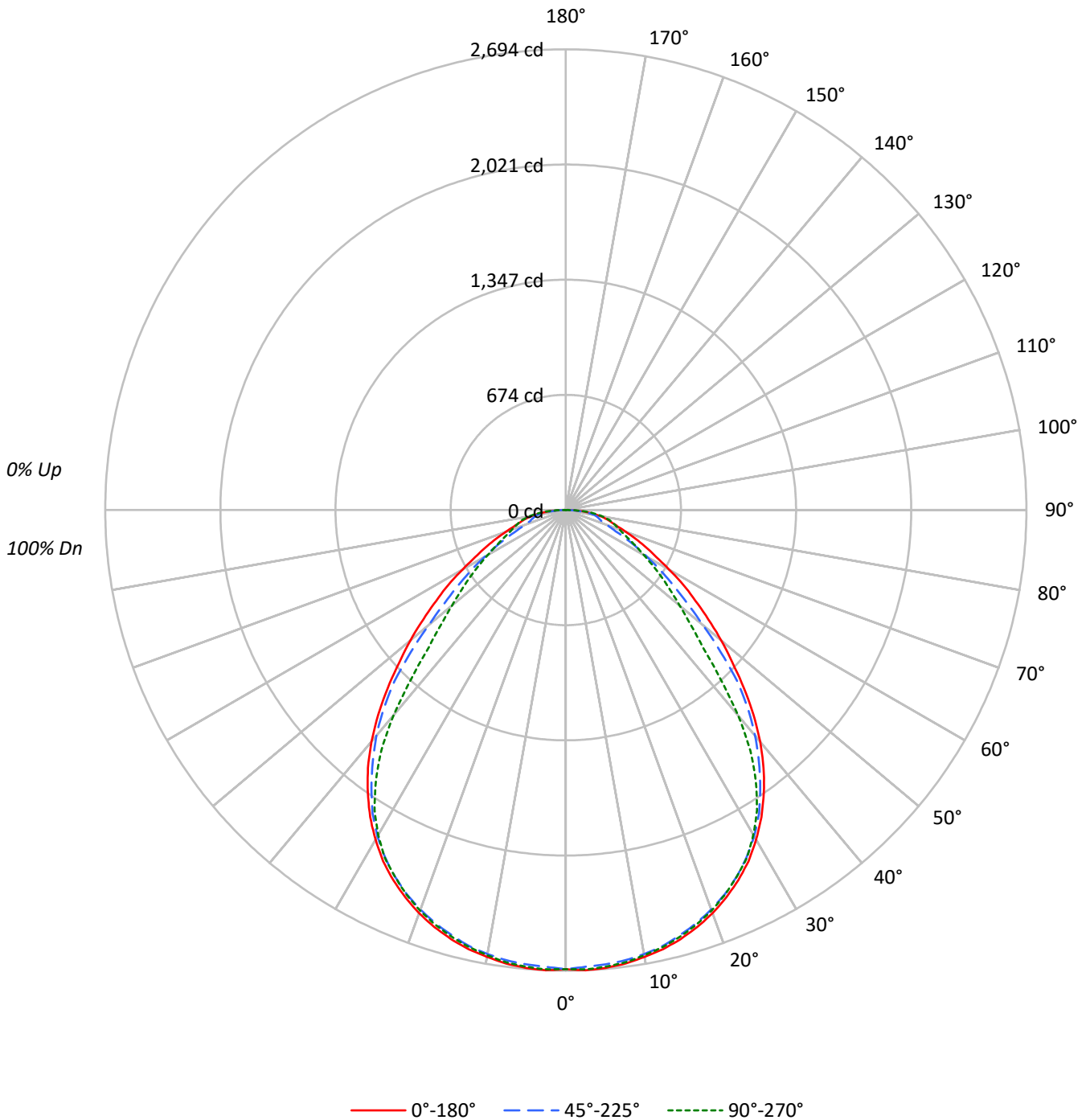
Lumens per Lamp: N/A  
Luminaire Lumens: 5858.4 lumens  
Efficiency: N/A  
Efficacy: 110.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.21 / 1.26  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 53.2  
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									
RC	80									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	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	102	102	102	100													
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	88	88	88	88	88	88	86													
2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	76	76	76	76	76	76	74													
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	66	66	66	66	66	66	64													
4	86	75	67	61	84	74	67	61	72	65	60	69	64	59	67	62	58	58	58	58	58	58	58	56													
5	80	68	60	54	78	67	59	53	65	58	53	63	57	52	61	56	52	52	52	52	52	52	52	50													
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	46	46	46	46	46	46	44													
7	69	57	48	43	67	56	48	43	54	47	42	53	47	42	52	46	42	42	42	42	42	42	42	40													
8	65	52	44	38	63	51	44	38	50	43	38	49	43	38	48	42	38	38	38	38	38	38	38	36													
9	61	48	40	35	59	47	40	35	46	39	35	45	39	35	44	39	34	34	34	34	34	34	34	33													
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	31	31	31	31	31	31	31	30													

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

	0°	45°	90°
0°	7224	7224	7224
5°	7259	7204	7240
10°	7250	7205	7224
15°	7236	7172	7195
20°	7185	7119	7138
25°	7091	7021	7025
30°	6917	6845	6816
35°	6633	6512	6365
40°	6209	6051	5506
45°	5608	5395	4303
50°	4973	4380	3641
55°	4341	3594	3211
60°	3765	2958	2835
65°	3301	2374	2616
70°	2943	2013	2633
75°	2871	2122	2943
80°	3186	2678	3375
85°	3319	2856	3946

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 5629 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	254.7	4.3
10°-20°	729.7	12.5
20°-30°	1091.5	18.6
30°-40°	1232.1	21.0
40°-50°	1045.3	17.8
50°-60°	707.3	12.1
60°-70°	422.2	7.2
70°-80°	264.4	4.5
80°-90°	111.2	1.9
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°	2075.9	35.4
0°-40°	3308.0	56.5
0°-60°	5060.6	86.4
0°-90°	5858.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5858.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2685	2685	2685	2685	2685	
5°	2687	2679	2667	2686	2680	255
15°	2597	2592	2574	2592	2583	732
25°	2388	2380	2365	2376	2366	1098
35°	2019	2006	1982	1965	1938	1258
45°	1474	1479	1418	1215	1131	1135
55°	925	882	766	686	684	833
65°	518	430	373	397	411	518
75°	276	246	204	269	283	297
85°	108	102	92	120	128	116
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2684.7	2684.7	2684.7	2684.7	2684.7
2.5°	2694.2	2685.9	2673.6	2689.9	2688.6
5°	2687.4	2679.1	2666.9	2685.9	2680.4
7.5°	2675.2	2668.1	2655.9	2673.6	2668.1
10°	2653.1	2647.9	2636.9	2651.9	2643.6
12.5°	2630.1	2626.1	2612.3	2626.1	2617.9
15°	2597.3	2592.1	2574.4	2592.1	2582.6
17.5°	2556.6	2549.8	2534.8	2549.8	2541.6
20°	2509.1	2500.8	2485.8	2500.8	2492.5
22.5°	2451.8	2445.1	2431.6	2445.1	2434.3
25°	2388.1	2379.8	2364.8	2375.8	2366.0
27.5°	2314.5	2303.5	2290.0	2298.0	2292.8
30°	2226.0	2212.5	2203.0	2203.0	2193.5
32.5°	2129.5	2120.0	2103.4	2093.9	2081.7
35°	2019.2	2005.7	1982.4	1964.6	1937.7
37.5°	1900.9	1884.3	1855.9	1811.1	1774.3
40°	1767.6	1747.1	1722.6	1634.0	1567.5
42.5°	1624.5	1620.5	1578.3	1427.2	1334.7
45°	1473.5	1479.0	1417.7	1215.2	1130.6
47.5°	1321.2	1340.2	1228.7	1030.1	986.6
50°	1187.9	1194.6	1046.3	894.1	869.6
52.5°	1050.3	1039.6	892.5	786.5	768.8
55°	925.3	881.8	766.0	685.7	684.5
57.5°	815.0	734.7	654.5	594.7	601.5
60°	699.5	609.4	549.7	516.9	526.7
62.5°	597.2	511.7	458.7	448.9	465.4
65°	518.4	429.9	372.9	397.4	410.9
67.5°	443.7	368.6	303.3	361.9	367.4
70°	374.1	319.9	255.8	333.4	334.6
72.5°	317.1	283.1	221.8	302.1	306.1
75°	276.1	246.3	204.1	269.3	283.1
77.5°	242.1	210.8	189.0	232.6	255.8
80°	205.6	170.1	172.8	194.6	217.8
82.5°	157.8	132.1	137.6	160.6	176.8
85°	107.5	102.0	92.5	119.8	127.8
87.5°	57.3	54.5	47.5	68.0	64.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)