

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: P798289

Luminaire Tested: 14SRC-SCT3-UNV-HIGH-4000K

Issue Date: 3/16/2024

Test Information

Test Method: LM-79-2019
Report Number: P798289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2311-232-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/16/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14SRC-SCT3-UNV-HIGH-4000K
Description: SkyRidge LED Selectable
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

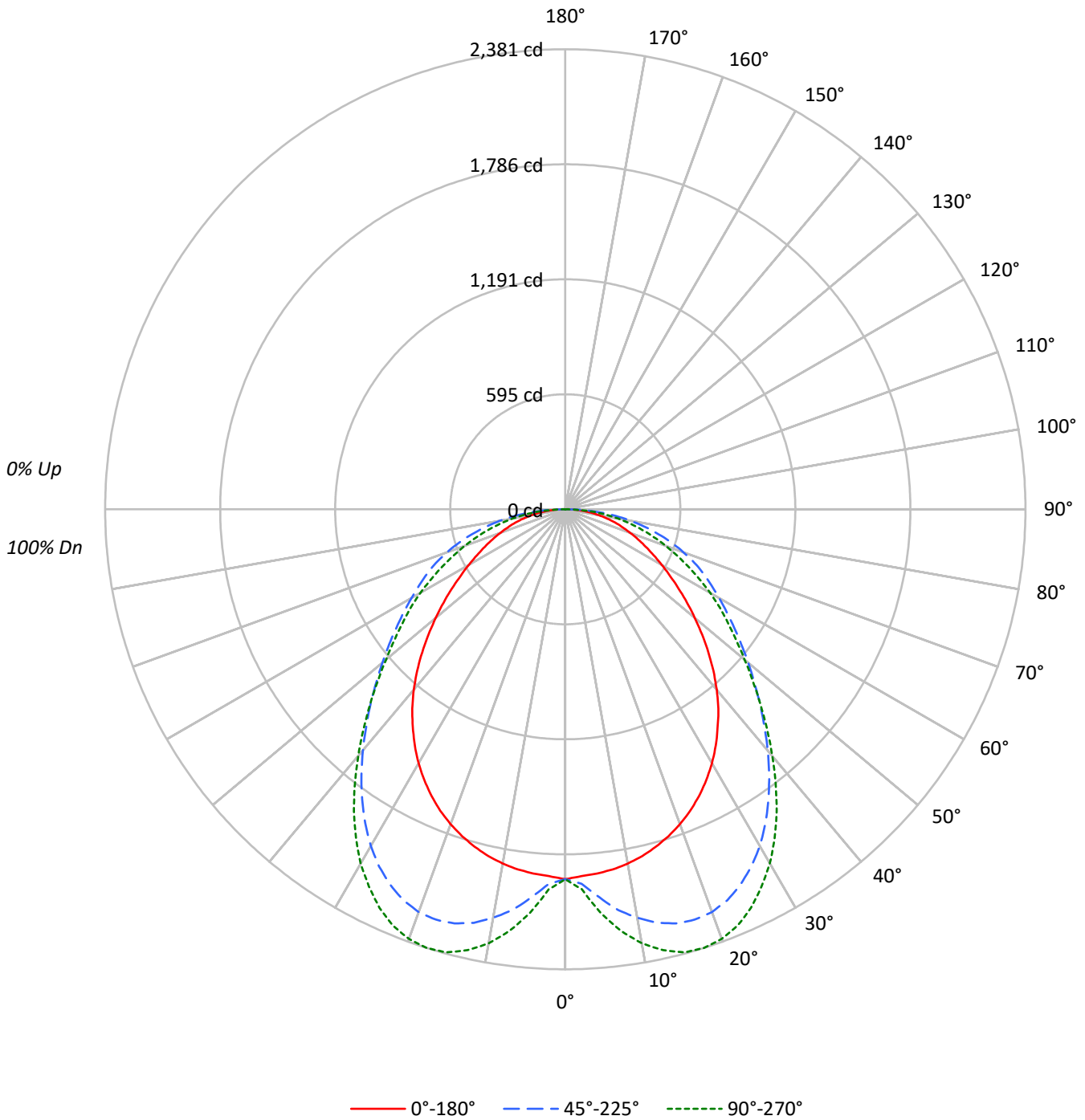
Lumens per Lamp: N/A
Luminaire Lumens: 6120.1 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.48 / 1.45
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.6
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	102	102	102	100
1	108	103	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	85	85	85	83
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	71	71	71	69
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	61	61	61	59
4	83	71	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	46	46	46	44
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	40	40	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	47	41	36	36	36	36	34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	32	32	32	30
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	29	29	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	27	27	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5151	5151	5151
5°	5111	5446	5665
10°	5088	5867	6233
15°	5040	6182	6614
20°	4966	6352	6775
25°	4861	6366	6755
30°	4717	6255	6578
35°	4517	6022	6265
40°	4282	5722	5852
45°	3984	5419	5434
50°	3663	5170	5070
55°	3359	5001	4823
60°	3105	4946	4655
65°	2923	5024	4470
70°	2825	5122	4343
75°	2786	5209	4294
80°	2743	5346	4293
85°	2779	5496	4353

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 87.5°
 Luminance: 6663 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.4	3.2
10°-20°	612.4	10.0
20°-30°	953.0	15.6
30°-40°	1099.4	18.0
40°-50°	1044.1	17.1
50°-60°	886.5	14.5
60°-70°	694.3	11.3
70°-80°	463.2	7.6
80°-90°	171.9	2.8
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°	1760.8	28.8
0°-40°	2860.1	46.7
0°-60°	4790.7	78.3
0°-90°	6120.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6120.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1914	1914	1914	1914	1914	
5°	1892	1961	2016	2074	2097	180
15°	1809	2043	2219	2333	2374	510
25°	1637	1956	2144	2246	2275	753
35°	1375	1680	1833	1895	1907	859
45°	1047	1304	1424	1439	1428	807
55°	716	964	1066	1045	1028	643
65°	459	703	789	727	702	458
75°	268	486	501	429	413	283
85°	90	202	178	146	141	98
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1914	1914	1914	1914	1914
2.5°	1901	1941	1940	1966	1969
5°	1892	1961	2016	2074	2097
7.5°	1880	1991	2092	2168	2200
10°	1862	2017	2147	2244	2281
12.5°	1838	2037	2192	2299	2337
15°	1809	2043	2219	2333	2374
17.5°	1774	2038	2227	2342	2381
20°	1734	2023	2218	2329	2366
22.5°	1689	1997	2190	2296	2332
25°	1637	1956	2144	2246	2275
27.5°	1580	1903	2085	2178	2200
30°	1518	1838	2013	2096	2117
32.5°	1449	1763	1927	2000	2016
35°	1375	1680	1833	1895	1907
37.5°	1301	1589	1733	1783	1788
40°	1219	1495	1629	1668	1666
42.5°	1134	1399	1525	1553	1546
45°	1047	1304	1424	1439	1428
47.5°	960	1210	1326	1331	1316
50°	875	1122	1235	1229	1211
52.5°	794	1041	1148	1133	1115
55°	716	964	1066	1045	1028
57.5°	643	894	990	964	948
60°	577	826	919	888	865
62.5°	515	763	852	808	782
65°	459	703	789	727	702
67.5°	408	645	724	649	625
70°	359	592	651	574	552
72.5°	312	539	578	501	481
75°	268	486	501	429	413
77.5°	223	432	423	361	345
80°	177	365	345	290	277
82.5°	134	289	264	219	212
85°	90	202	178	146	141
87.5°	47	108	89	71	70
90°	0	0	0	0	0

(END OF REPORT)