

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P234565

Luminaire Tested: **CTA-F-0100-60L840-UNV-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234565
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1709-282-19)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: CTA-F-0100-60L840-UNV-4
Description: CORELITE CONTINUA SUSPENDED LED LUMINAIRE
6000 LUMENS, 0% UPLIGHT, 100% DOWNLIGHT
Light Source: (336) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6155.0 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.23 / 1.36
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Direct

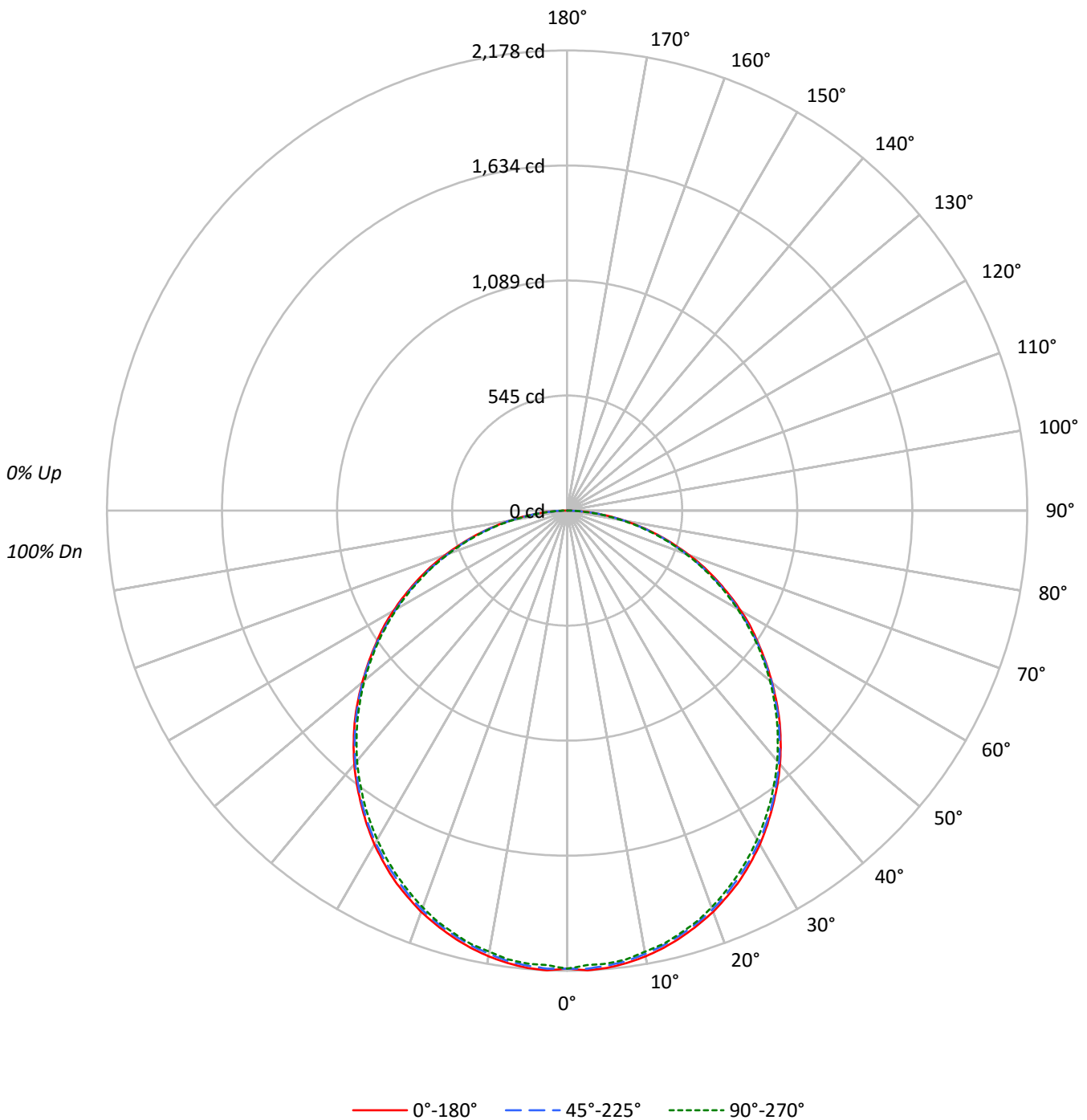
Input Watts (W): 72.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14000	14000	14000
5°	14086	14014	13954
10°	14049	13969	13902
15°	13976	13901	13847
20°	13890	13813	13736
25°	13770	13668	13581
30°	13604	13528	13407
35°	13395	13346	13234
40°	13215	13154	13043
45°	12994	12929	12827
50°	12718	12687	12584
55°	12474	12405	12325
60°	12269	12098	12032
65°	11962	11758	11680
70°	11586	11335	11278
75°	11063	10909	10707
80°	10309	10160	9855
85°	9062	8536	7624



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.1	3.3
10°-20°	585.8	9.5
20°-30°	881.8	14.3
30°-40°	1055.1	17.1
40°-50°	1088.3	17.7
50°-60°	983.9	16.0
60°-70°	763.1	12.4
70°-80°	460.1	7.5
80°-90°	131.7	2.1
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°	1672.7	27.2
0°-40°	2727.9	44.3
0°-60°	4800.1	78.0
0°-90°	6155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6155.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2168	2168	2168	2168	2168	
5°	2173	2152	2162	2160	2153	206
15°	2090	2067	2079	2079	2071	590
25°	1932	1907	1918	1911	1906	890
35°	1699	1683	1693	1682	1679	1064
45°	1423	1413	1416	1404	1404	1097
55°	1108	1105	1102	1094	1095	992
65°	783	776	770	765	764	775
75°	443	439	437	431	429	469
85°	122	121	115	109	103	139
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2167.9	2167.9	2167.9	2167.9	2167.9
2.5°	2178.1	2158.7	2169.9	2166.9	2153.6
5°	2173.0	2151.6	2161.8	2159.7	2152.6
7.5°	2159.7	2139.4	2150.6	2147.5	2142.4
10°	2142.4	2119.0	2130.2	2127.1	2120.0
12.5°	2119.0	2096.6	2107.8	2104.7	2101.7
15°	2090.4	2067.0	2079.2	2079.2	2071.1
17.5°	2056.8	2035.4	2046.6	2045.6	2039.5
20°	2021.1	1995.7	2009.9	2004.8	1998.7
22.5°	1977.3	1954.9	1966.1	1956.9	1953.9
25°	1932.5	1907.0	1918.2	1911.1	1906.0
27.5°	1879.5	1857.0	1868.2	1858.1	1854.0
30°	1824.4	1801.0	1814.2	1803.0	1797.9
32.5°	1763.3	1745.9	1755.1	1743.9	1738.8
35°	1699.1	1682.7	1692.9	1681.7	1678.7
37.5°	1634.8	1619.6	1626.7	1616.5	1613.4
40°	1567.6	1553.3	1560.4	1547.2	1547.2
42.5°	1496.2	1484.0	1488.1	1476.9	1475.8
45°	1422.8	1412.7	1415.7	1403.5	1404.5
47.5°	1345.4	1337.2	1339.3	1329.1	1328.1
50°	1265.9	1261.8	1262.8	1250.6	1252.6
52.5°	1187.4	1184.3	1182.3	1174.2	1173.1
55°	1107.9	1104.8	1101.8	1093.6	1094.7
57.5°	1033.5	1024.3	1019.2	1014.1	1013.1
60°	949.9	941.8	936.7	930.6	931.6
62.5°	866.3	860.2	855.1	850.0	848.0
65°	782.8	775.6	769.5	765.4	764.4
67.5°	702.2	690.0	684.9	681.9	680.8
70°	613.6	606.4	600.3	597.3	597.3
72.5°	529.0	521.8	518.8	514.7	512.7
75°	443.4	439.3	437.2	431.1	429.1
77.5°	358.8	356.7	354.7	347.6	345.5
80°	277.2	275.2	273.2	265.0	265.0
82.5°	196.7	195.7	191.6	184.5	180.4
85°	122.3	121.3	115.2	109.1	102.9
87.5°	53.0	49.9	42.8	37.7	38.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)