

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: P384144

Luminaire Tested: **22ID-60-L840-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384144
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-67)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-60-L840-CFD1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

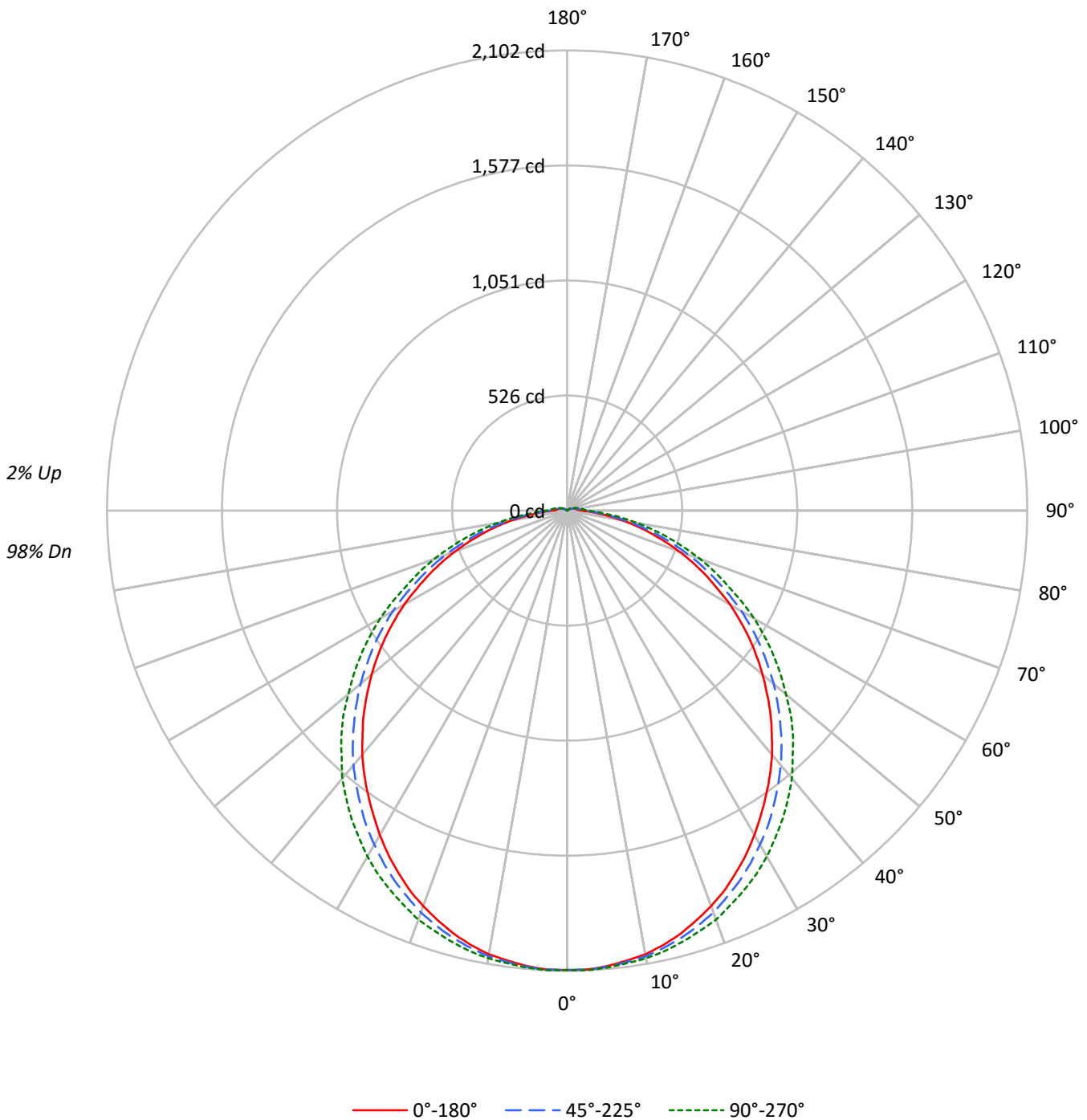
Lumens per Lamp: N/A
Luminaire Lumens: 6215.6 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 51.4
Input Voltage (V): NR
Input Current (A_{in}): 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	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	92	96	92	89	91	88	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	76	69	63	73	67	61	70	64	60	67	62	58	56
4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	44	41
6	69	56	47	40	67	55	46	40	52	45	39	51	44	39	49	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5647	5647	5647
5°	5623	5623	5640
10°	5582	5590	5633
15°	5513	5540	5617
20°	5422	5477	5609
25°	5314	5391	5571
30°	5192	5293	5536
35°	5059	5190	5482
40°	4941	5084	5423
45°	4801	4949	5330
50°	4650	4820	5203
55°	4493	4664	5093
60°	4319	4494	4951
65°	4089	4240	4715
70°	3827	3991	4561
75°	3516	3653	4310
80°	3160	3257	4029
85°	2834	2908	3824



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.8	3.2
10°-20°	569.8	9.2
20°-30°	860.2	13.8
30°-40°	1030.7	16.6
40°-50°	1065.6	17.1
50°-60°	965.0	15.5
60°-70°	746.7	12.0
70°-80°	458.7	7.4
80°-90°	182.3	2.9
90°-100°	66.5	1.1
100°-110°	40.9	0.7
110°-120°	21.0	0.3
120°-130°	9.0	0.1
130°-140°	0.6	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°	1628.7	26.2
0°-40°	2659.4	42.8
0°-60°	4689.9	75.5
0°-90°	6077.6	97.8
90°-120°	128.4	2.1
90°-150°	138.0	2.2
90°-180°	138.0	2.2
0°-180°	6215.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2099	2099	2099	2099	2099	
5°	2089	2089	2092	2092	2096	198
15°	2001	2004	2020	2032	2039	564
25°	1824	1837	1866	1897	1913	841
35°	1585	1604	1645	1689	1717	992
45°	1314	1330	1377	1434	1459	1013
55°	1015	1037	1078	1125	1150	907
65°	700	715	750	788	807	692
75°	391	410	429	457	479	416
85°	136	145	158	173	183	135
90°	63	72	79	88	94	37
95°	47	54	60	66	72	38
105°	35	35	38	41	44	37
115°	22	19	19	22	25	22
125°	13	10	6	10	13	12
135°	0	0	0	0	0	1
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2098.6	2098.6	2098.6	2098.6	2098.6
2.5°	2098.6	2095.5	2098.6	2098.6	2101.8
5°	2089.2	2089.2	2092.3	2092.3	2095.5
7.5°	2073.4	2073.4	2079.7	2082.9	2086.0
10°	2057.7	2057.7	2067.1	2070.3	2076.6
12.5°	2032.5	2035.6	2045.1	2054.5	2060.8
15°	2001.0	2004.1	2019.9	2032.5	2038.8
17.5°	1963.1	1969.4	1988.3	2007.3	2013.6
20°	1922.2	1931.6	1953.7	1975.7	1988.3
22.5°	1878.1	1884.4	1909.6	1937.9	1950.5
25°	1824.5	1837.1	1865.5	1897.0	1912.7
27.5°	1770.9	1783.5	1815.0	1852.9	1871.8
30°	1711.1	1723.7	1761.5	1802.4	1824.5
32.5°	1648.0	1663.8	1707.9	1748.9	1770.9
35°	1585.0	1603.9	1644.9	1689.0	1717.4
37.5°	1522.0	1537.7	1581.9	1629.1	1657.5
40°	1455.8	1471.6	1518.8	1566.1	1597.6
42.5°	1383.3	1402.2	1449.5	1499.9	1525.1
45°	1314.0	1329.8	1377.0	1433.8	1459.0
47.5°	1238.4	1260.4	1304.6	1358.1	1386.5
50°	1165.9	1184.8	1232.1	1282.5	1304.6
52.5°	1090.3	1109.2	1153.3	1203.7	1228.9
55°	1014.7	1036.7	1077.7	1124.9	1150.2
57.5°	935.9	957.9	998.9	1039.9	1068.2
60°	860.3	882.3	920.1	961.1	986.3
62.5°	775.2	794.1	835.0	879.2	898.1
65°	699.5	715.3	750.0	787.8	806.7
67.5°	620.8	639.7	671.2	705.8	727.9
70°	542.0	564.0	589.3	620.8	646.0
72.5°	466.4	485.3	507.3	538.8	560.9
75°	390.7	409.6	428.6	456.9	479.0
77.5°	324.6	334.0	352.9	378.1	400.2
80°	252.1	264.7	280.4	305.7	321.4
82.5°	189.1	201.7	214.3	233.2	248.9
85°	135.5	145.0	157.6	173.3	182.8
87.5°	91.4	100.8	110.3	122.9	132.3
90°	63.0	72.5	78.8	88.2	94.5
92.5°	53.6	59.9	66.2	72.5	78.8
95°	47.3	53.6	59.9	66.2	72.5
97.5°	44.1	47.3	53.6	59.9	63.0
100°	41.0	44.1	47.3	53.6	56.7
102.5°	37.8	37.8	44.1	47.3	50.4
105°	34.7	34.7	37.8	41.0	44.1
107.5°	31.5	31.5	34.7	34.7	41.0
110°	28.4	25.2	28.4	28.4	34.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	25.2	22.1	25.2	25.2	28.4
115°	22.1	18.9	18.9	22.1	25.2
117.5°	18.9	15.8	15.8	15.8	22.1
120°	18.9	15.8	12.6	12.6	18.9
122.5°	15.8	12.6	9.5	12.6	15.8
125°	12.6	9.5	6.3	9.5	12.6
127.5°	9.5	9.5	3.2	6.3	9.5
130°	9.5	6.3	3.2	6.3	6.3
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)