

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: P384142

Luminaire Tested: **22ID-60-L830-CFD1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384142  
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-L830-CFD1  
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

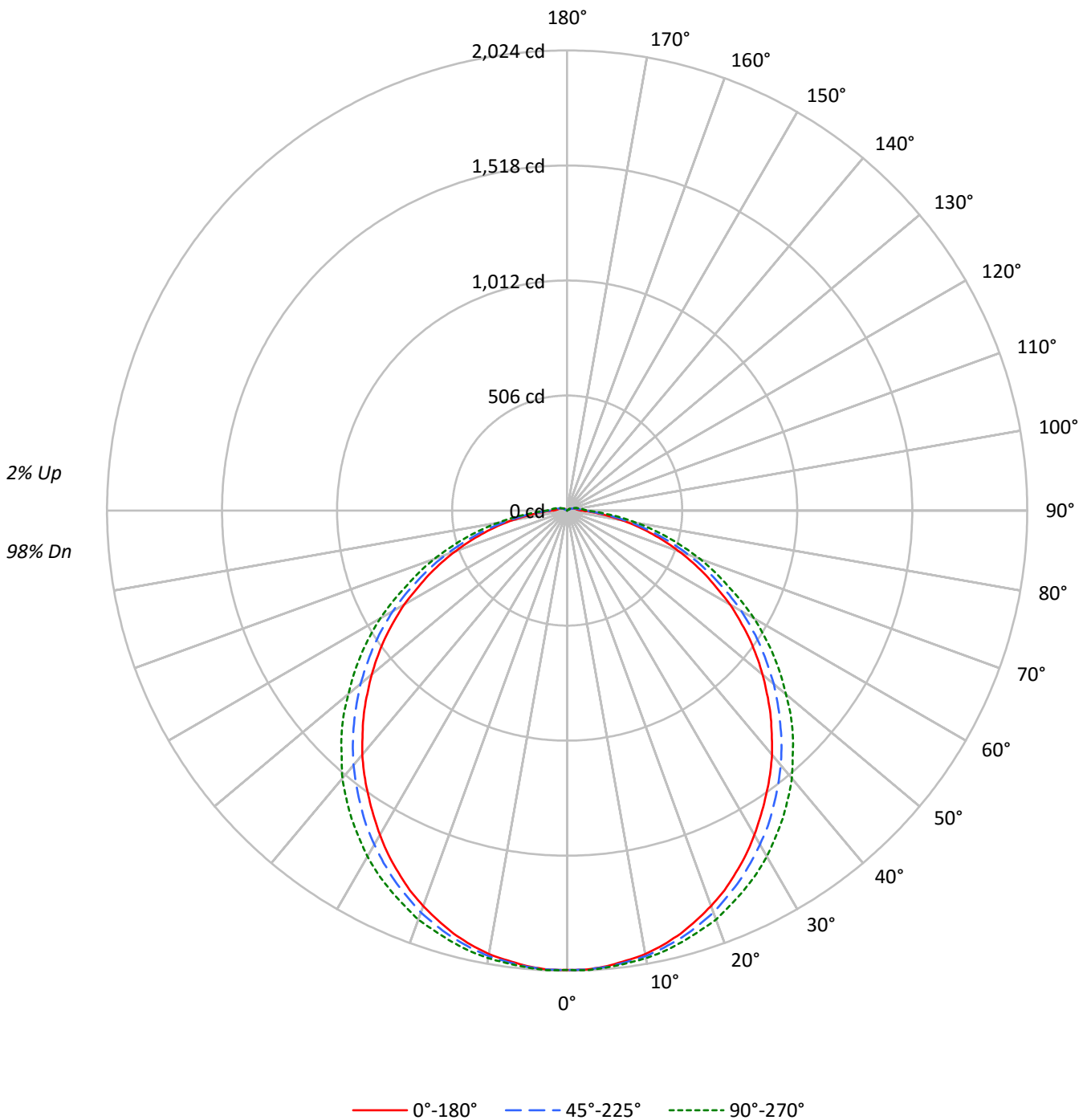
Lumens per Lamp: N/A  
Luminaire Lumens: 5984.2 lumens  
Efficiency: N/A  
Efficacy: 117.6 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 50.9  
Input Voltage (V): NR  
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	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°	5437	5437	5437
5°	5414	5414	5430
10°	5374	5382	5423
15°	5308	5334	5408
20°	5220	5274	5400
25°	5116	5190	5364
30°	4999	5096	5330
35°	4871	4997	5278
40°	4757	4895	5221
45°	4622	4765	5132
50°	4477	4640	5009
55°	4326	4490	4904
60°	4157	4326	4767
65°	3937	4082	4540
70°	3684	3842	4391
75°	3385	3517	4149
80°	3042	3136	3880
85°	2730	2799	3681



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.4	3.2
10°-20°	548.6	9.2
20°-30°	828.2	13.8
30°-40°	992.3	16.6
40°-50°	1025.9	17.1
50°-60°	929.1	15.5
60°-70°	718.9	12.0
70°-80°	441.6	7.4
80°-90°	175.5	2.9
90°-100°	64.0	1.1
100°-110°	39.3	0.7
110°-120°	20.2	0.3
120°-130°	8.6	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°	1568.1	26.2
0°-40°	2560.4	42.8
0°-60°	4515.4	75.5
0°-90°	5851.4	97.8
90°-120°	123.6	2.1
90°-150°	132.8	2.2
90°-180°	133.0	2.2
0°-180°	5984.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2020	2020	2020	2020	2020	
5°	2011	2011	2014	2014	2018	191
15°	1926	1930	1945	1957	1963	543
25°	1757	1769	1796	1826	1842	809
35°	1526	1544	1584	1626	1653	955
45°	1265	1280	1326	1380	1405	975
55°	977	998	1038	1083	1107	873
65°	674	689	722	758	777	666
75°	376	394	413	440	461	401
85°	130	140	152	167	176	130
90°	61	70	76	85	91	36
95°	46	52	58	64	70	36
105°	33	33	36	39	42	35
115°	21	18	18	21	24	22
125°	12	9	6	9	12	11
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°	2020.5	2020.5	2020.5	2020.5	2020.5
2.5°	2020.5	2017.5	2020.5	2020.5	2023.6
5°	2011.4	2011.4	2014.5	2014.5	2017.5
7.5°	1996.3	1996.3	2002.3	2005.4	2008.4
10°	1981.1	1981.1	1990.2	1993.2	1999.3
12.5°	1956.8	1959.9	1969.0	1978.1	1984.1
15°	1926.5	1929.5	1944.7	1956.8	1962.9
17.5°	1890.1	1896.2	1914.4	1932.6	1938.6
20°	1850.6	1859.7	1881.0	1902.2	1914.4
22.5°	1808.2	1814.2	1838.5	1865.8	1878.0
25°	1756.6	1768.7	1796.0	1826.4	1841.5
27.5°	1705.0	1717.2	1747.5	1783.9	1802.1
30°	1647.4	1659.5	1695.9	1735.4	1756.6
32.5°	1586.7	1601.9	1644.3	1683.8	1705.0
35°	1526.0	1544.2	1583.7	1626.1	1653.4
37.5°	1465.3	1480.5	1523.0	1568.5	1595.8
40°	1401.6	1416.8	1462.3	1507.8	1538.2
42.5°	1331.9	1350.1	1395.6	1444.1	1468.4
45°	1265.1	1280.3	1325.8	1380.4	1404.7
47.5°	1192.3	1213.5	1256.0	1307.6	1334.9
50°	1122.5	1140.7	1186.2	1234.8	1256.0
52.5°	1049.7	1067.9	1110.4	1158.9	1183.2
55°	976.9	998.1	1037.6	1083.1	1107.4
57.5°	901.1	922.3	961.7	1001.2	1028.5
60°	828.2	849.5	885.9	925.3	949.6
62.5°	746.3	764.5	804.0	846.4	864.6
65°	673.5	688.7	722.1	758.5	776.7
67.5°	597.7	615.9	646.2	679.6	700.8
70°	521.8	543.1	567.3	597.7	621.9
72.5°	449.0	467.2	488.4	518.8	540.0
75°	376.2	394.4	412.6	439.9	461.1
77.5°	312.5	321.6	339.8	364.1	385.3
80°	242.7	254.8	270.0	294.3	309.5
82.5°	182.0	194.2	206.3	224.5	239.7
85°	130.5	139.6	151.7	166.9	176.0
87.5°	88.0	97.1	106.2	118.3	127.4
90°	60.7	69.8	75.8	84.9	91.0
92.5°	51.6	57.6	63.7	69.8	75.8
95°	45.5	51.6	57.6	63.7	69.8
97.5°	42.5	45.5	51.6	57.6	60.7
100°	39.4	42.5	45.5	51.6	54.6
102.5°	36.4	36.4	42.5	45.5	48.5
105°	33.4	33.4	36.4	39.4	42.5
107.5°	30.3	30.3	33.4	33.4	39.4
110°	27.3	24.3	27.3	27.3	33.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	24.3	21.2	24.3	24.3	27.3
115°	21.2	18.2	18.2	21.2	24.3
117.5°	18.2	15.2	15.2	15.2	21.2
120°	18.2	15.2	12.1	12.1	18.2
122.5°	15.2	12.1	9.1	12.1	15.2
125°	12.1	9.1	6.1	9.1	12.1
127.5°	9.1	9.1	3.0	6.1	9.1
130°	9.1	6.1	3.0	6.1	6.1
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)