

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: P384226

Luminaire Tested: **14ID-25-L830-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384226
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-68)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-25-L830-CFD2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

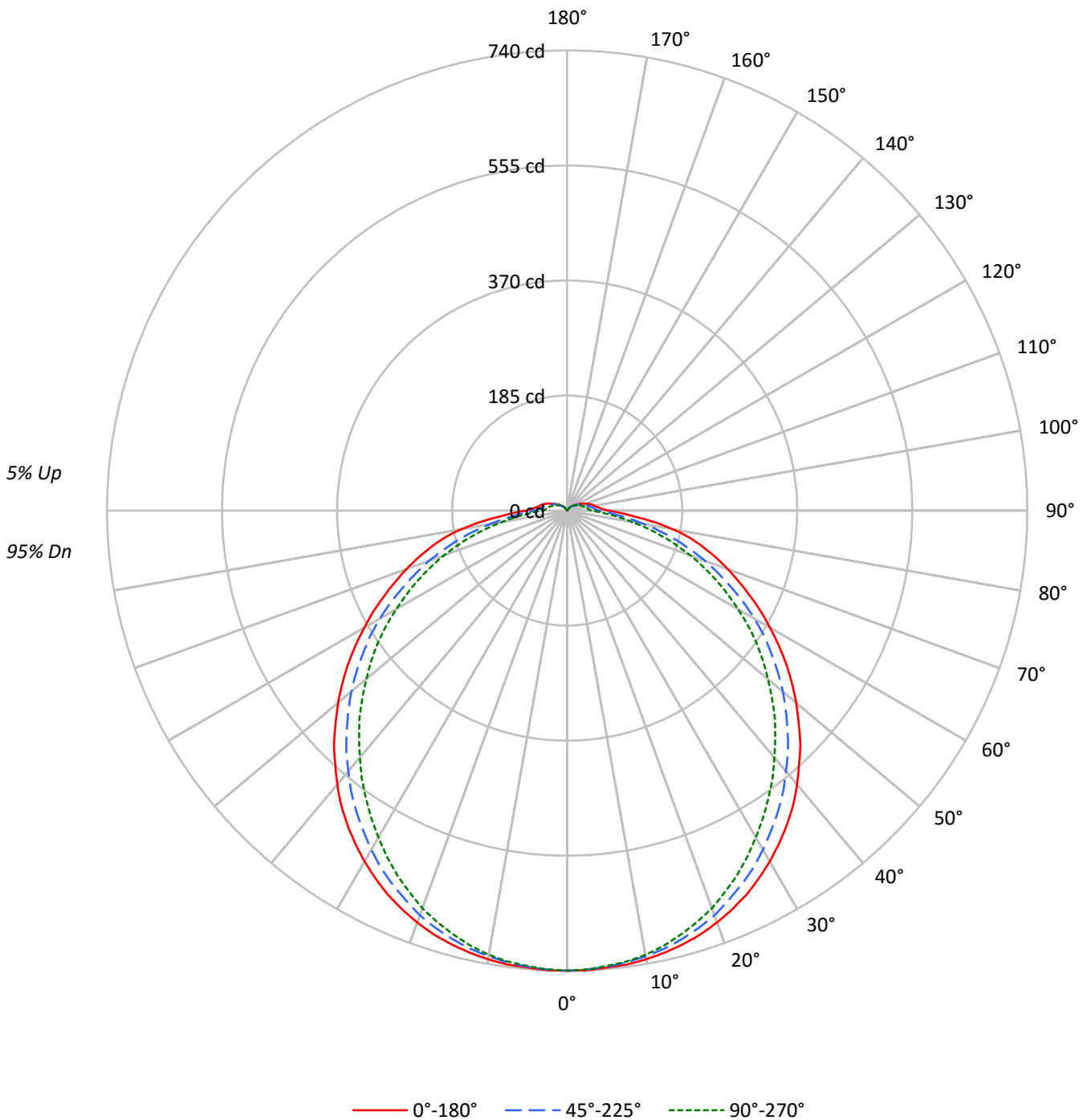
Lumens per Lamp: N/A
Luminaire Lumens: 2399.8 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 20.4
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	106	101	96	92	103	98	94	90	93	90	86	88	85	83	84	81	79	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	87	76	68	61	84	74	67	60	71	64	58	67	62	57	64	59	55	53
4	80	68	58	51	77	66	57	51	63	55	50	60	53	48	57	51	47	45
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	51	45	41	38
6	68	54	45	38	65	53	44	38	50	43	37	48	42	36	46	40	36	33
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	32	30
8	58	45	36	30	56	44	35	30	42	35	29	40	34	29	39	33	28	26
9	54	41	33	27	53	40	32	27	39	31	26	37	31	26	36	30	25	24
10	51	38	30	24	50	37	29	24	36	29	24	34	28	23	33	27	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1991	1991	1991
5°	1985	1964	1957
10°	1987	1938	1926
15°	1988	1912	1883
20°	1988	1883	1838
25°	1986	1844	1782
30°	1977	1803	1720
35°	1968	1760	1660
40°	1952	1711	1597
45°	1938	1663	1541
50°	1918	1613	1472
55°	1904	1554	1409
60°	1890	1490	1325
65°	1897	1406	1238
70°	1941	1322	1137
75°	2038	1210	1009
80°	2171	1063	849
85°	2280	919	695



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.0	2.9
10°-20°	201.4	8.4
20°-30°	305.8	12.7
30°-40°	369.4	15.4
40°-50°	386.7	16.1
50°-60°	358.8	15.0
60°-70°	290.6	12.1
70°-80°	196.1	8.2
80°-90°	94.8	3.9
90°-100°	47.7	2.0
100°-110°	34.7	1.4
110°-120°	23.2	1.0
120°-130°	13.4	0.6
130°-140°	6.8	0.3
140°-150°	0.5	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	577.2	24.1
0°-40°	946.7	39.4
0°-60°	1692.1	70.5
0°-90°	2273.6	94.7
90°-120°	105.5	4.4
90°-150°	126.2	5.3
90°-180°	126.0	5.3
0°-180°	2399.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	740	740	740	740	740	
5°	738	736	736	735	735	70
15°	722	718	713	708	706	204
25°	682	676	664	652	647	314
35°	616	608	591	573	564	386
45°	530	521	501	481	472	409
55°	430	420	401	382	372	384
65°	324	312	291	275	264	322
75°	226	203	180	167	157	239
85°	109	94	80	73	65	103
90°	65	59	51	46	39	37
95°	52	48	44	39	34	41
105°	39	36	33	29	27	41
115°	27	24	24	21	21	27
125°	17	14	16	13	14	15
135°	10	8	8	8	10	8
145°	0	0	0	0	0	1
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°	739.9	739.9	739.9	739.9	739.9
2.5°	739.9	738.7	738.7	738.7	738.7
5°	737.5	736.3	736.3	735.1	735.1
7.5°	736.3	733.8	732.6	731.4	731.4
10°	732.6	730.2	727.8	725.4	725.4
12.5°	727.8	725.4	721.7	716.9	716.9
15°	721.7	718.1	713.3	708.4	706.0
17.5°	714.5	710.8	703.6	696.3	693.9
20°	704.8	699.9	692.7	683.0	680.6
22.5°	693.9	689.0	678.1	668.5	663.6
25°	681.8	675.7	663.6	651.5	646.7
27.5°	667.2	661.2	647.9	633.3	627.3
30°	651.5	644.2	629.7	614.0	606.7
32.5°	634.5	626.1	610.3	593.4	586.1
35°	616.4	607.9	591.0	572.8	564.3
37.5°	597.0	588.5	570.4	551.0	542.5
40°	575.2	566.7	547.4	528.0	518.3
42.5°	552.2	544.9	525.6	505.0	495.3
45°	530.4	520.7	501.3	480.8	472.3
47.5°	505.0	497.7	477.1	456.5	446.8
50°	480.8	472.3	452.9	432.3	421.4
52.5°	455.3	448.1	427.5	406.9	397.2
55°	429.9	420.2	400.8	381.5	371.8
57.5°	403.3	394.8	375.4	357.2	345.1
60°	376.6	368.1	347.5	330.6	317.3
62.5°	351.2	341.5	319.7	301.5	290.6
65°	324.5	312.4	290.6	274.9	264.0
67.5°	299.1	284.6	262.8	248.2	237.4
70°	274.9	257.9	236.1	221.6	210.7
72.5°	250.7	230.1	207.1	193.8	184.1
75°	226.5	203.4	180.4	167.1	157.4
77.5°	202.2	175.6	152.6	141.7	132.0
80°	173.2	147.7	125.9	116.3	106.6
82.5°	140.5	119.9	101.7	92.0	84.8
85°	109.0	94.5	79.9	72.7	65.4
87.5°	84.8	73.9	63.0	56.9	50.9
90°	65.4	59.3	50.9	46.0	38.8
92.5°	56.9	52.1	46.0	41.2	35.1
95°	52.1	48.4	43.6	38.8	33.9
97.5°	47.2	44.8	40.0	36.3	31.5
100°	44.8	41.2	37.5	33.9	30.3
102.5°	42.4	38.8	35.1	31.5	29.1
105°	38.8	36.3	32.7	29.1	26.6
107.5°	36.3	32.7	30.3	26.6	25.4
110°	32.7	30.3	27.9	25.4	24.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	29.1	27.9	25.4	23.0	21.8
115°	26.6	24.2	24.2	20.6	20.6
117.5°	24.2	21.8	21.8	19.4	19.4
120°	20.6	19.4	19.4	17.0	17.0
122.5°	18.2	17.0	17.0	15.7	15.7
125°	17.0	14.5	15.7	13.3	14.5
127.5°	14.5	13.3	13.3	12.1	13.3
130°	12.1	10.9	10.9	10.9	12.1
132.5°	10.9	9.7	9.7	9.7	10.9
135°	9.7	8.5	8.5	8.5	9.7
137.5°	8.5	7.3	6.1	7.3	8.5
140°	7.3	6.1	4.8	6.1	7.3
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)