

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: P384562

Luminaire Tested: **14ID-25-L830-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384562
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-25-L830-CFD3
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

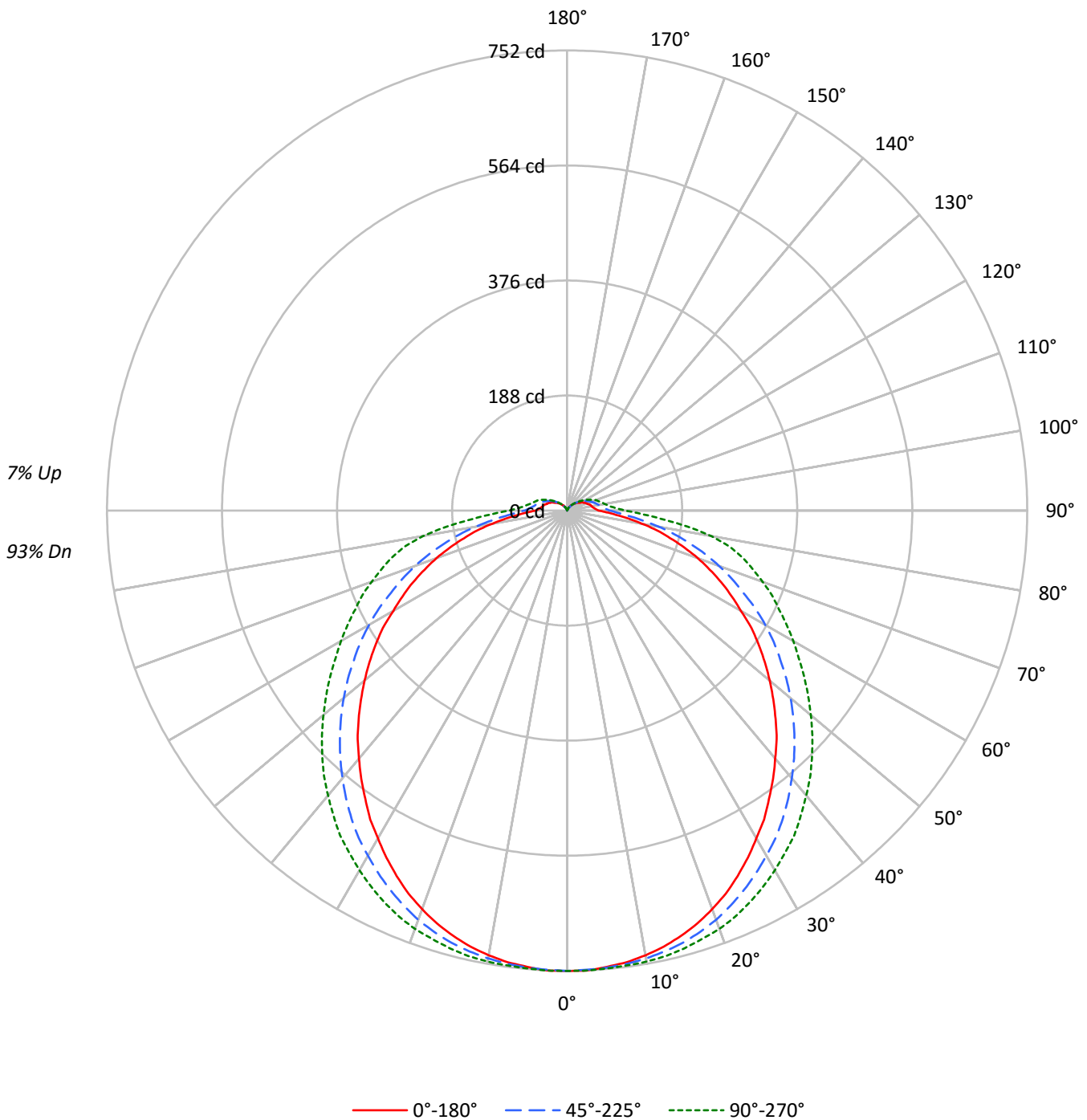
Lumens per Lamp: N/A
Luminaire Lumens: 2632.6 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')
CIE Type: Direct

Input Watts (W): 20.4
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	91	102	97	93	89	91	88	84	86	83	80	81	79	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2024	2024	2024
5°	2011	1987	1985
10°	1994	1954	1959
15°	1971	1923	1933
20°	1941	1886	1909
25°	1902	1841	1878
30°	1855	1795	1843
35°	1810	1748	1810
40°	1766	1692	1765
45°	1726	1637	1723
50°	1683	1579	1677
55°	1646	1517	1634
60°	1594	1456	1603
65°	1563	1373	1584
70°	1525	1292	1586
75°	1472	1182	1596
80°	1427	1047	1532
85°	1443	885	1229



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	2.7
10°-20°	206.1	7.8
20°-30°	314.9	12.0
30°-40°	383.4	14.6
40°-50°	405.2	15.4
50°-60°	382.5	14.5
60°-70°	321.8	12.2
70°-80°	232.0	8.8
80°-90°	122.3	4.6
90°-100°	65.5	2.5
100°-110°	49.7	1.9
110°-120°	36.1	1.4
120°-130°	22.6	0.9
130°-140°	12.2	0.5
140°-150°	5.4	0.2
150°-160°	1.4	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	592.4	22.5
0°-40°	975.8	37.1
0°-60°	1763.5	67.0
0°-90°	2439.6	92.7
90°-120°	151.3	5.7
90°-150°	191.5	7.3
90°-180°	193.0	7.3
0°-180°	2632.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	752	752	752	752	752	
5°	748	748	750	750	751	71
15°	720	722	731	736	740	203
25°	659	667	684	700	706	304
35°	575	588	614	638	647	360
45°	482	496	525	554	566	372
55°	382	399	425	457	473	341
65°	278	294	318	357	382	275
75°	175	189	207	248	297	185
85°	80	91	101	126	154	75
90°	51	60	70	83	94	29
95°	45	51	59	67	72	36
105°	38	42	47	52	55	40
115°	30	33	37	39	42	30
125°	22	22	26	26	28	20
135°	16	14	16	16	17	12
145°	9	8	8	8	9	6
155°	4	4	1	3	4	2
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°	752.3	752.3	752.3	752.3	752.3
2.5°	752.3	751.0	751.0	751.0	752.3
5°	748.4	748.4	749.7	749.7	751.0
7.5°	744.4	744.4	747.1	748.4	749.7
10°	737.9	739.2	743.1	745.7	748.4
12.5°	730.0	731.3	737.9	743.1	745.7
15°	719.5	722.1	731.3	736.5	740.5
17.5°	707.7	711.6	722.1	730.0	733.9
20°	693.2	698.5	711.6	722.1	727.4
22.5°	677.5	682.7	698.5	711.6	718.2
25°	659.1	667.0	684.0	699.8	706.4
27.5°	639.4	648.6	668.3	686.7	693.2
30°	618.4	628.9	651.2	670.9	678.8
32.5°	598.7	609.2	634.1	655.1	663.0
35°	575.1	588.2	614.4	638.1	647.3
37.5°	552.7	565.9	593.4	618.4	627.6
40°	529.1	542.2	571.1	598.7	607.9
42.5°	506.8	519.9	548.8	577.7	588.2
45°	481.8	496.3	525.2	554.1	565.9
47.5°	456.9	471.3	501.5	531.7	543.5
50°	432.0	447.7	476.6	506.8	519.9
52.5°	407.0	422.8	451.6	483.2	496.3
55°	382.1	399.1	425.4	456.9	472.7
57.5°	357.1	374.2	400.4	433.3	449.0
60°	328.2	347.9	374.2	408.3	426.7
62.5°	303.3	320.4	346.6	382.1	404.4
65°	278.3	294.1	317.7	357.1	382.1
67.5°	252.1	269.1	291.5	328.2	362.4
70°	227.1	241.6	263.9	302.0	340.0
72.5°	200.9	215.3	236.3	275.7	317.7
75°	174.6	189.1	207.4	248.1	296.7
77.5°	151.0	162.8	179.9	219.3	271.8
80°	124.7	136.5	152.3	187.7	239.0
82.5°	101.1	111.6	124.7	156.2	196.9
85°	80.1	90.6	101.1	126.0	153.6
87.5°	64.3	72.2	82.7	101.1	119.5
90°	51.2	60.4	69.6	82.7	94.5
92.5°	47.3	55.1	63.0	73.5	81.4
95°	44.6	51.2	59.1	67.0	72.2
97.5°	42.0	48.6	55.1	63.0	67.0
100°	40.7	46.0	52.5	59.1	61.7
102.5°	39.4	43.3	49.9	55.1	59.1
105°	38.1	42.0	47.3	52.5	55.1
107.5°	35.4	39.4	44.6	49.9	52.5
110°	34.1	36.8	42.0	46.0	49.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	32.8	35.4	39.4	43.3	46.0
115°	30.2	32.8	36.8	39.4	42.0
117.5°	28.9	30.2	34.1	35.4	38.1
120°	26.3	27.6	31.5	32.8	34.1
122.5°	23.6	24.9	28.9	28.9	31.5
125°	22.3	22.3	26.3	26.3	27.6
127.5°	21.0	21.0	23.6	23.6	24.9
130°	18.4	18.4	21.0	21.0	21.0
132.5°	17.1	15.8	18.4	18.4	19.7
135°	15.8	14.4	15.8	15.8	17.1
137.5°	13.1	13.1	14.4	13.1	14.4
140°	11.8	10.5	11.8	11.8	13.1
142.5°	10.5	9.2	10.5	9.2	10.5
145°	9.2	7.9	7.9	7.9	9.2
147.5°	7.9	6.6	6.6	6.6	7.9
150°	6.6	5.3	5.3	5.3	6.6
152.5°	5.3	3.9	2.6	3.9	5.3
155°	3.9	3.9	1.3	2.6	3.9
157.5°	2.6	2.6	0.0	1.3	2.6
160°	1.3	1.3	0.0	1.3	1.3
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)