

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: P384228

Luminaire Tested: **14ID-25-L840-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384228
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-L840-CFD2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

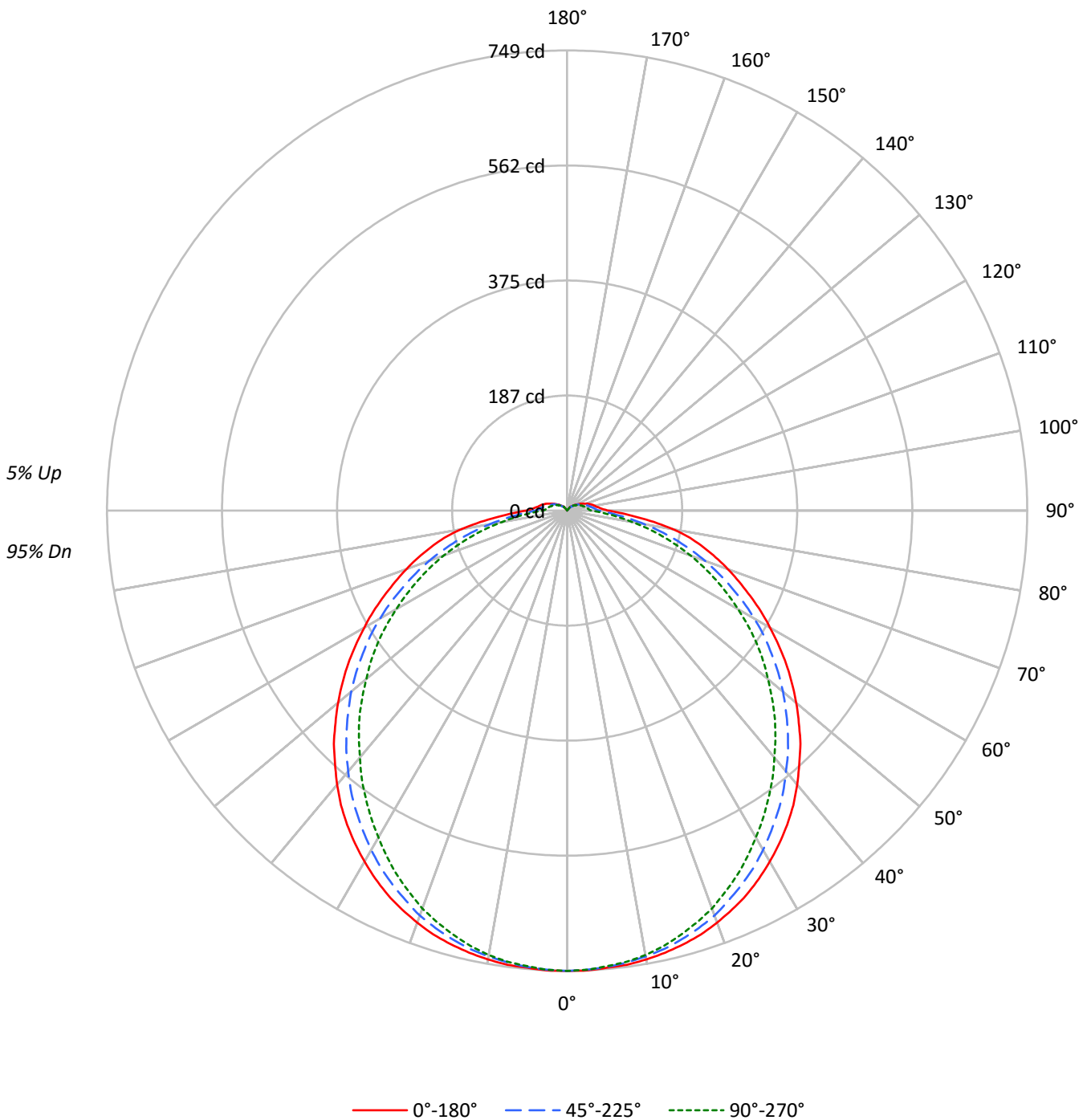
Lumens per Lamp: N/A
Luminaire Lumens: 2430.3 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 20.5
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°	2016	2016	2016
5°	2010	1988	1982
10°	2012	1963	1950
15°	2014	1936	1907
20°	2013	1907	1861
25°	2011	1867	1804
30°	2002	1826	1742
35°	1992	1782	1681
40°	1977	1733	1618
45°	1962	1684	1560
50°	1942	1634	1491
55°	1928	1573	1427
60°	1915	1509	1342
65°	1921	1424	1254
70°	1965	1339	1152
75°	2063	1226	1022
80°	2199	1076	860
85°	2309	931	704



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.9	2.9
10°-20°	203.9	8.4
20°-30°	309.7	12.7
30°-40°	374.1	15.4
40°-50°	391.6	16.1
50°-60°	363.4	15.0
60°-70°	294.3	12.1
70°-80°	198.6	8.2
80°-90°	96.0	3.9
90°-100°	48.3	2.0
100°-110°	35.1	1.4
110°-120°	23.4	1.0
120°-130°	13.6	0.6
130°-140°	6.9	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°	584.6	24.1
0°-40°	958.7	39.4
0°-60°	1713.6	70.5
0°-90°	2302.5	94.7
90°-120°	106.8	4.4
90°-150°	127.8	5.3
90°-180°	128.0	5.3
0°-180°	2430.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	749	749	749	749	749	
5°	747	746	746	744	744	71
15°	731	727	722	717	715	206
25°	690	684	672	660	655	318
35°	624	616	598	580	572	391
45°	537	527	508	487	478	414
55°	435	426	406	386	376	389
65°	329	316	294	278	267	326
75°	229	206	183	169	159	242
85°	110	96	81	74	66	104
90°	66	60	52	47	39	38
95°	53	49	44	39	34	41
105°	39	37	33	29	27	42
115°	27	24	24	21	21	27
125°	17	15	16	14	15	15
135°	10	9	9	9	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°	749.3	749.3	749.3	749.3	749.3
2.5°	749.3	748.1	748.1	748.1	748.1
5°	746.9	745.6	745.6	744.4	744.4
7.5°	745.6	743.2	741.9	740.7	740.7
10°	741.9	739.5	737.0	734.6	734.6
12.5°	737.0	734.6	730.9	726.0	726.0
15°	730.9	727.2	722.3	717.4	715.0
17.5°	723.6	719.9	712.5	705.2	702.7
20°	713.7	708.8	701.5	691.7	689.2
22.5°	702.7	697.8	686.8	677.0	672.0
25°	690.4	684.3	672.0	659.8	654.9
27.5°	675.7	669.6	656.1	641.4	635.3
30°	659.8	652.4	637.7	621.8	614.4
32.5°	642.6	634.0	618.1	600.9	593.6
35°	624.2	615.6	598.5	580.1	571.5
37.5°	604.6	596.0	577.6	558.0	549.4
40°	582.5	573.9	554.3	534.7	524.9
42.5°	559.2	551.9	532.2	511.4	501.6
45°	537.1	527.3	507.7	486.9	478.3
47.5°	511.4	504.0	483.2	462.3	452.5
50°	486.9	478.3	458.7	437.8	426.8
52.5°	461.1	453.8	432.9	412.1	402.2
55°	435.4	425.5	405.9	386.3	376.5
57.5°	408.4	399.8	380.2	361.8	349.5
60°	381.4	372.8	352.0	334.8	321.3
62.5°	355.6	345.8	323.8	305.4	294.3
65°	328.7	316.4	294.3	278.4	267.3
67.5°	302.9	288.2	266.1	251.4	240.4
70°	278.4	261.2	239.1	224.4	213.4
72.5°	253.9	233.0	209.7	196.2	186.4
75°	229.3	206.0	182.7	169.2	159.4
77.5°	204.8	177.8	154.5	143.5	133.7
80°	175.4	149.6	127.5	117.7	107.9
82.5°	142.3	121.4	103.0	93.2	85.8
85°	110.4	95.7	80.9	73.6	66.2
87.5°	85.8	74.8	63.8	57.6	51.5
90°	66.2	60.1	51.5	46.6	39.2
92.5°	57.6	52.7	46.6	41.7	35.6
95°	52.7	49.1	44.1	39.2	34.3
97.5°	47.8	45.4	40.5	36.8	31.9
100°	45.4	41.7	38.0	34.3	30.7
102.5°	42.9	39.2	35.6	31.9	29.4
105°	39.2	36.8	33.1	29.4	27.0
107.5°	36.8	33.1	30.7	27.0	25.8
110°	33.1	30.7	28.2	25.8	24.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	29.4	28.2	25.8	23.3	22.1
115°	27.0	24.5	24.5	20.8	20.8
117.5°	24.5	22.1	22.1	19.6	19.6
120°	20.8	19.6	19.6	17.2	17.2
122.5°	18.4	17.2	17.2	15.9	15.9
125°	17.2	14.7	15.9	13.5	14.7
127.5°	14.7	13.5	13.5	12.3	13.5
130°	12.3	11.0	11.0	11.0	12.3
132.5°	11.0	9.8	9.8	9.8	11.0
135°	9.8	8.6	8.6	8.6	9.8
137.5°	8.6	7.4	6.1	7.4	8.6
140°	7.4	6.1	4.9	6.1	7.4
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)