

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: P384568

Luminaire Tested: **14ID-30-L840-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384568
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-30-L840-CFD3
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

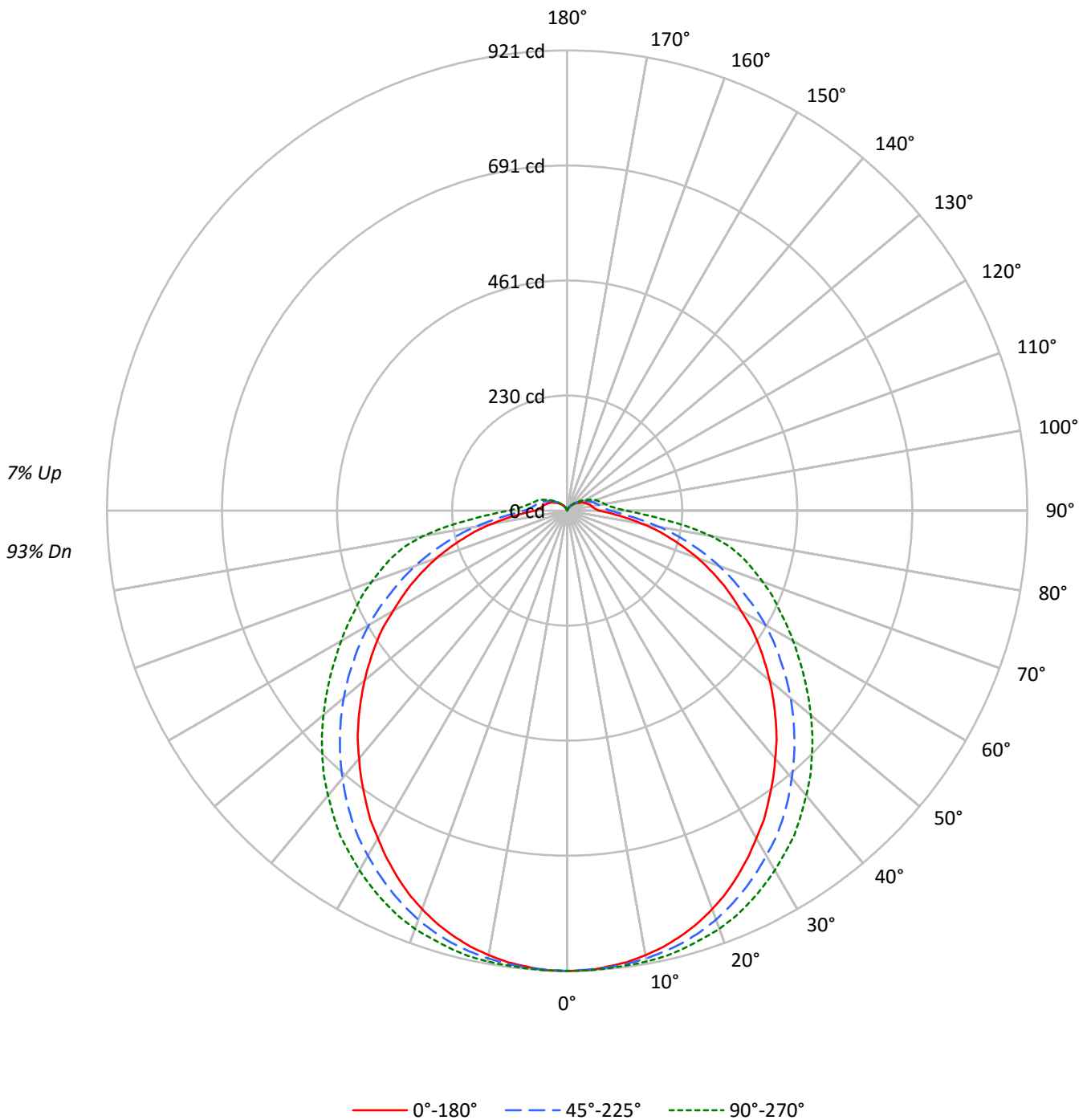
Lumens per Lamp: N/A
Luminaire Lumens: 3223.9 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')
CIE Type: Direct

Input Watts (W): 24.9
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°	2479	2479	2479
5°	2462	2433	2431
10°	2442	2393	2399
15°	2414	2356	2368
20°	2377	2310	2338
25°	2329	2255	2300
30°	2271	2198	2257
35°	2216	2141	2216
40°	2163	2073	2162
45°	2114	2004	2110
50°	2061	1934	2054
55°	2015	1858	2001
60°	1952	1783	1962
65°	1914	1681	1939
70°	1868	1582	1942
75°	1802	1447	1955
80°	1747	1283	1875
85°	1767	1084	1506



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	2.7
10°-20°	252.4	7.8
20°-30°	385.7	12.0
30°-40°	469.5	14.6
40°-50°	496.2	15.4
50°-60°	468.4	14.5
60°-70°	394.1	12.2
70°-80°	284.1	8.8
80°-90°	149.8	4.6
90°-100°	80.2	2.5
100°-110°	60.9	1.9
110°-120°	44.2	1.4
120°-130°	27.7	0.9
130°-140°	15.0	0.5
140°-150°	6.5	0.2
150°-160°	1.7	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	725.5	22.5
0°-40°	1194.9	37.1
0°-60°	2159.5	67.0
0°-90°	2987.5	92.7
90°-120°	185.3	5.7
90°-150°	234.6	7.3
90°-180°	236.0	7.3
0°-180°	3223.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	921	921	921	921	921	
5°	916	916	918	918	920	87
15°	881	884	896	902	907	249
25°	807	817	838	857	865	372
35°	704	720	752	781	793	441
45°	590	608	643	678	693	455
55°	468	489	521	560	579	418
65°	341	360	389	437	468	337
75°	214	232	254	304	363	227
85°	98	111	124	154	188	92
90°	63	74	85	101	116	36
95°	55	63	72	82	88	44
105°	47	51	58	64	68	49
115°	37	40	45	48	51	37
125°	27	27	32	32	34	25
135°	19	18	19	19	21	15
145°	11	10	10	10	11	7
155°	5	5	2	3	5	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°	921.3	921.3	921.3	921.3	921.3
2.5°	921.3	919.7	919.7	919.7	921.3
5°	916.5	916.5	918.1	918.1	919.7
7.5°	911.6	911.6	914.8	916.5	918.1
10°	903.6	905.2	910.0	913.2	916.5
12.5°	893.9	895.6	903.6	910.0	913.2
15°	881.1	884.3	895.6	902.0	906.8
17.5°	866.6	871.4	884.3	893.9	898.8
20°	848.9	855.4	871.4	884.3	890.7
22.5°	829.6	836.1	855.4	871.4	879.5
25°	807.1	816.8	837.7	857.0	865.0
27.5°	783.0	794.3	818.4	840.9	848.9
30°	757.3	770.1	797.5	821.6	831.2
32.5°	733.2	746.0	776.6	802.3	811.9
35°	704.2	720.3	752.5	781.4	792.7
37.5°	676.9	693.0	726.7	757.3	768.5
40°	647.9	664.0	699.4	733.2	744.4
42.5°	620.6	636.7	672.1	707.4	720.3
45°	590.1	607.8	643.1	678.5	693.0
47.5°	559.5	577.2	614.2	651.2	665.6
50°	529.0	548.3	583.6	620.6	636.7
52.5°	498.4	517.7	553.1	591.7	607.8
55°	467.9	488.8	520.9	559.5	578.8
57.5°	437.3	458.2	490.4	530.6	549.9
60°	402.0	426.1	458.2	500.0	522.5
62.5°	371.4	392.3	424.5	467.9	495.2
65°	340.9	360.1	389.1	437.3	467.9
67.5°	308.7	329.6	356.9	402.0	443.8
70°	278.2	295.8	323.2	369.8	416.4
72.5°	246.0	263.7	289.4	337.6	389.1
75°	213.8	231.5	254.0	303.9	363.4
77.5°	184.9	199.4	220.3	268.5	332.8
80°	152.7	167.2	186.5	229.9	292.6
82.5°	123.8	136.7	152.7	191.3	241.2
85°	98.1	110.9	123.8	154.3	188.1
87.5°	78.8	88.4	101.3	123.8	146.3
90°	62.7	74.0	85.2	101.3	115.8
92.5°	57.9	67.5	77.2	90.0	99.7
95°	54.7	62.7	72.4	82.0	88.4
97.5°	51.4	59.5	67.5	77.2	82.0
100°	49.8	56.3	64.3	72.4	75.6
102.5°	48.2	53.1	61.1	67.5	72.4
105°	46.6	51.4	57.9	64.3	67.5
107.5°	43.4	48.2	54.7	61.1	64.3
110°	41.8	45.0	51.4	56.3	61.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	40.2	43.4	48.2	53.1	56.3
115°	37.0	40.2	45.0	48.2	51.4
117.5°	35.4	37.0	41.8	43.4	46.6
120°	32.2	33.8	38.6	40.2	41.8
122.5°	28.9	30.5	35.4	35.4	38.6
125°	27.3	27.3	32.2	32.2	33.8
127.5°	25.7	25.7	28.9	28.9	30.5
130°	22.5	22.5	25.7	25.7	25.7
132.5°	20.9	19.3	22.5	22.5	24.1
135°	19.3	17.7	19.3	19.3	20.9
137.5°	16.1	16.1	17.7	16.1	17.7
140°	14.5	12.9	14.5	14.5	16.1
142.5°	12.9	11.3	12.9	11.3	12.9
145°	11.3	9.6	9.6	9.6	11.3
147.5°	9.6	8.0	8.0	8.0	9.6
150°	8.0	6.4	6.4	6.4	8.0
152.5°	6.4	4.8	3.2	4.8	6.4
155°	4.8	4.8	1.6	3.2	4.8
157.5°	3.2	3.2	0.0	1.6	3.2
160°	1.6	1.6	0.0	1.6	1.6
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)