

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: P384624

Luminaire Tested: **22ID-30-L840-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384624
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: 22ID-30-L840-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

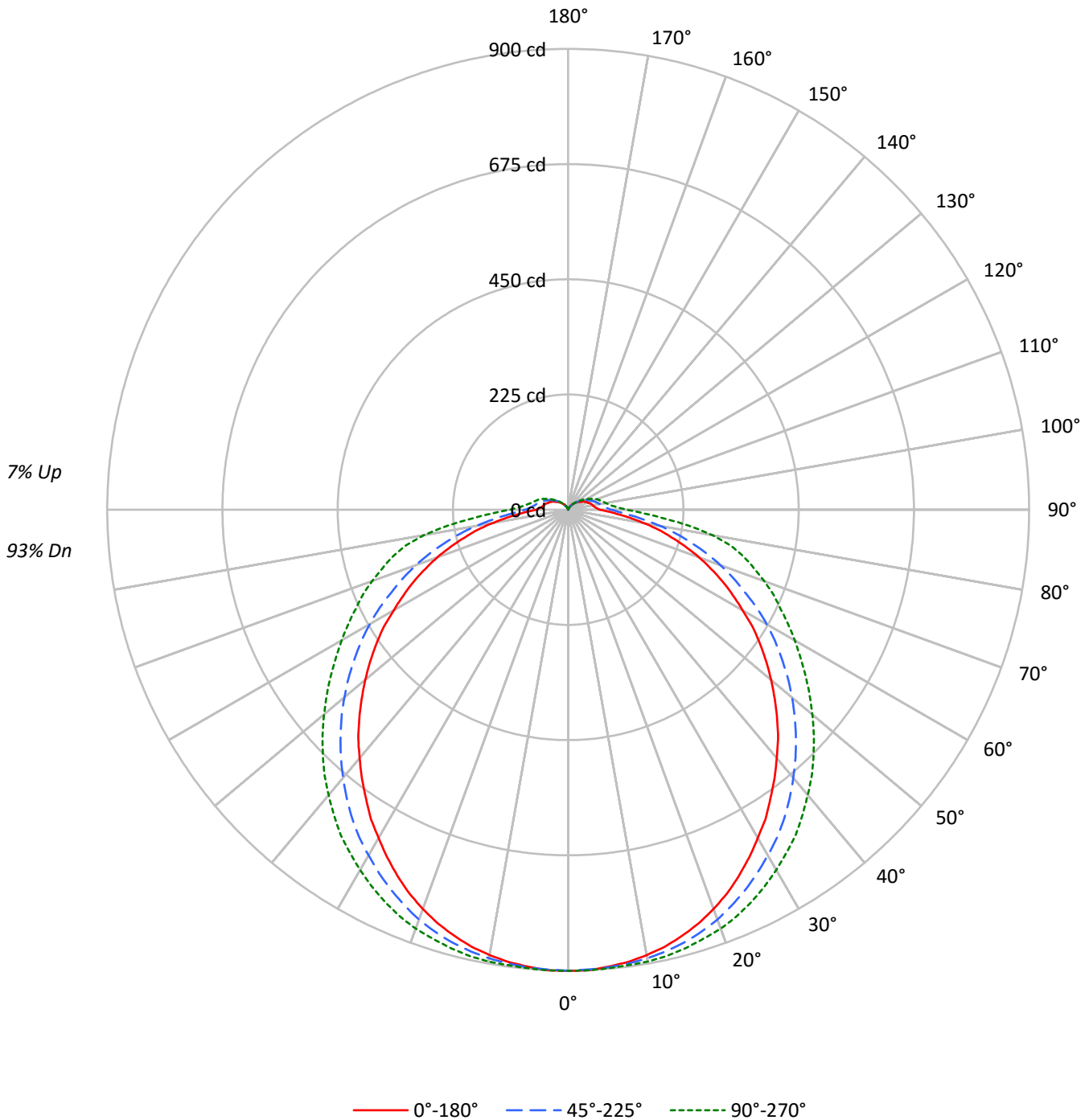
Lumens per Lamp: N/A
Luminaire Lumens: 3151.1 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 24.3
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°	2423	2423	2423
5°	2394	2387	2402
10°	2361	2357	2395
15°	2321	2328	2389
20°	2273	2292	2385
25°	2213	2246	2372
30°	2145	2198	2355
35°	2079	2150	2340
40°	2013	2091	2313
45°	1951	2033	2291
50°	1884	1973	2267
55°	1820	1907	2252
60°	1738	1846	2259
65°	1673	1756	2296
70°	1592	1673	2384
75°	1482	1555	2518
80°	1354	1411	2594
85°	1219	1237	2338



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.4	2.7
10°-20°	246.7	7.8
20°-30°	377.0	12.0
30°-40°	458.9	14.6
40°-50°	485.0	15.4
50°-60°	457.8	14.5
60°-70°	385.2	12.2
70°-80°	277.7	8.8
80°-90°	146.4	4.6
90°-100°	78.4	2.5
100°-110°	59.5	1.9
110°-120°	43.2	1.4
120°-130°	27.1	0.9
130°-140°	14.7	0.5
140°-150°	6.4	0.2
150°-160°	1.7	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	709.1	22.5
0°-40°	1168.0	37.1
0°-60°	2110.8	67.0
0°-90°	2920.1	92.7
90°-120°	181.1	5.7
90°-150°	229.2	7.3
90°-180°	231.0	7.3
0°-180°	3151.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	900	900	900	900	900	
5°	896	896	897	897	899	85
15°	861	864	875	882	886	243
25°	789	798	819	838	846	363
35°	688	704	736	764	775	431
45°	577	594	629	663	677	445
55°	457	478	509	547	566	409
65°	333	352	380	427	457	329
75°	209	226	248	297	355	222
85°	96	108	121	151	184	90
90°	61	72	83	99	113	35
95°	53	61	71	80	86	43
105°	46	50	57	63	66	48
115°	36	39	44	47	50	36
125°	27	27	31	31	33	24
135°	19	17	19	19	20	14
145°	11	9	9	9	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°	900.5	900.5	900.5	900.5	900.5
2.5°	900.5	898.9	898.9	898.9	900.5
5°	895.8	895.8	897.3	897.3	898.9
7.5°	891.0	891.0	894.2	895.8	897.3
10°	883.2	884.8	889.5	892.6	895.8
12.5°	873.8	875.3	883.2	889.5	892.6
15°	861.2	864.3	875.3	881.6	886.3
17.5°	847.0	851.8	864.3	873.8	878.5
20°	829.8	836.0	851.8	864.3	870.6
22.5°	810.9	817.2	836.0	851.8	859.6
25°	788.9	798.3	818.8	837.6	845.5
27.5°	765.3	776.3	799.9	821.9	829.8
30°	740.2	752.8	779.5	803.0	812.5
32.5°	716.6	729.2	759.0	784.2	793.6
35°	688.3	704.0	735.5	763.8	774.8
37.5°	661.6	677.3	710.3	740.2	751.2
40°	633.3	649.0	683.6	716.6	727.6
42.5°	606.6	622.3	656.9	691.5	704.0
45°	576.7	594.0	628.6	663.2	677.3
47.5°	546.9	564.2	600.3	636.5	650.6
50°	517.0	535.9	570.5	606.6	622.3
52.5°	487.2	506.0	540.6	578.3	594.0
55°	457.3	477.7	509.2	546.9	565.7
57.5°	427.4	447.9	479.3	518.6	537.5
60°	392.9	416.4	447.9	488.7	510.7
62.5°	363.0	383.4	414.9	457.3	484.0
65°	333.2	352.0	380.3	427.4	457.3
67.5°	301.7	322.2	348.9	392.9	433.7
70°	271.9	289.2	315.9	361.4	407.0
72.5°	240.4	257.7	282.9	330.0	380.3
75°	209.0	226.3	248.3	297.0	355.2
77.5°	180.7	194.9	215.3	262.4	325.3
80°	149.3	163.4	182.3	224.7	286.0
82.5°	121.0	133.6	149.3	187.0	235.7
85°	95.9	108.4	121.0	150.9	183.9
87.5°	77.0	86.4	99.0	121.0	143.0
90°	61.3	72.3	83.3	99.0	113.1
92.5°	56.6	66.0	75.4	88.0	97.4
95°	53.4	61.3	70.7	80.1	86.4
97.5°	50.3	58.1	66.0	75.4	80.1
100°	48.7	55.0	62.9	70.7	73.9
102.5°	47.1	51.9	59.7	66.0	70.7
105°	45.6	50.3	56.6	62.9	66.0
107.5°	42.4	47.1	53.4	59.7	62.9
110°	40.9	44.0	50.3	55.0	59.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	39.3	42.4	47.1	51.9	55.0
115°	36.1	39.3	44.0	47.1	50.3
117.5°	34.6	36.1	40.9	42.4	45.6
120°	31.4	33.0	37.7	39.3	40.9
122.5°	28.3	29.9	34.6	34.6	37.7
125°	26.7	26.7	31.4	31.4	33.0
127.5°	25.1	25.1	28.3	28.3	29.9
130°	22.0	22.0	25.1	25.1	25.1
132.5°	20.4	18.9	22.0	22.0	23.6
135°	18.9	17.3	18.9	18.9	20.4
137.5°	15.7	15.7	17.3	15.7	17.3
140°	14.1	12.6	14.1	14.1	15.7
142.5°	12.6	11.0	12.6	11.0	12.6
145°	11.0	9.4	9.4	9.4	11.0
147.5°	9.4	7.9	7.9	7.9	9.4
150°	7.9	6.3	6.3	6.3	7.9
152.5°	6.3	4.7	3.1	4.7	6.3
155°	4.7	4.7	1.6	3.1	4.7
157.5°	3.1	3.1	0.0	1.6	3.1
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)