

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: P384288

Luminaire Tested: **22ID-30-L840-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384288
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: 22ID-30-L840-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

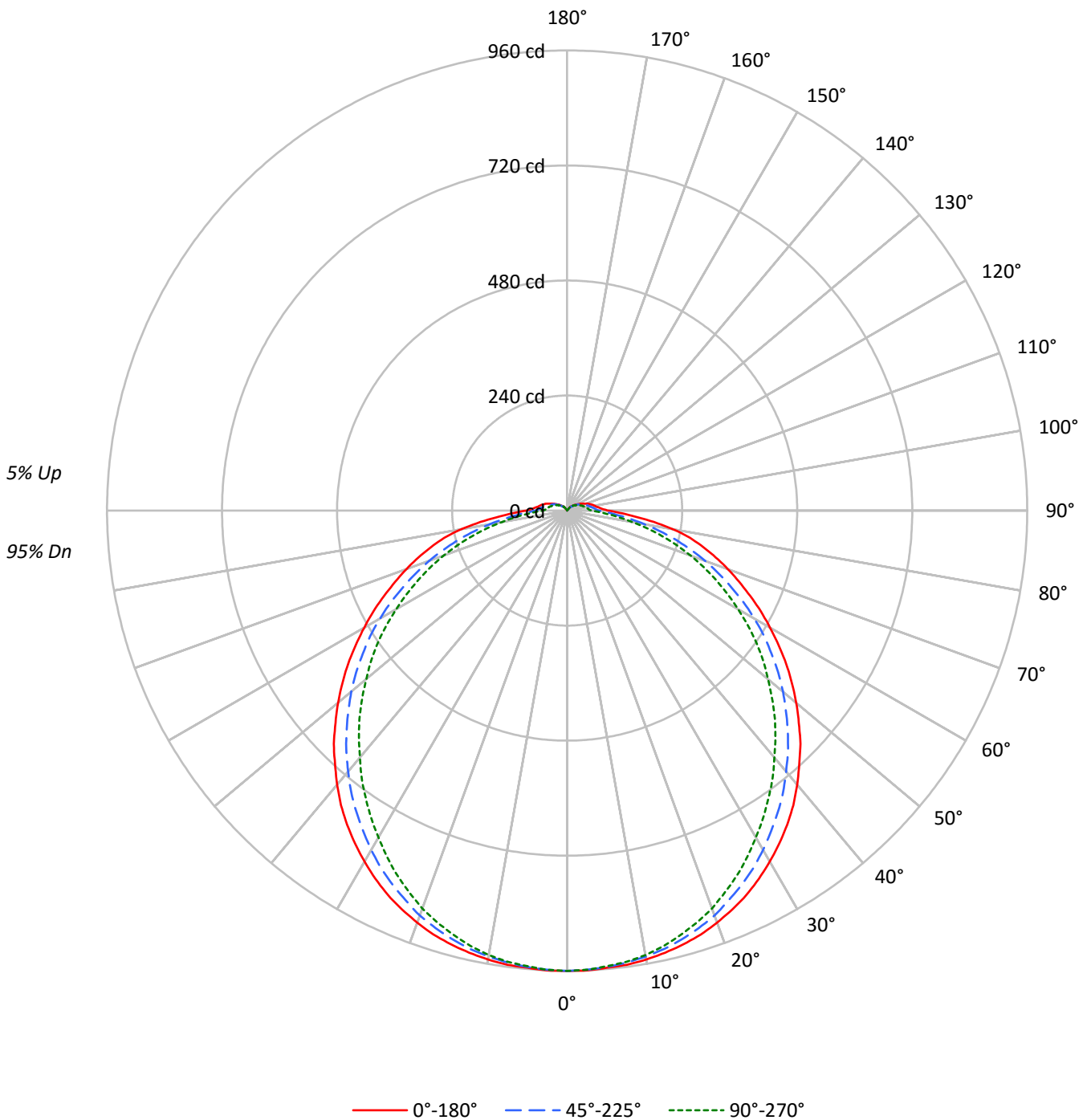
Lumens per Lamp: N/A
Luminaire Lumens: 3115.0 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

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	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°	2584	2584	2584
5°	2567	2555	2559
10°	2561	2529	2536
15°	2553	2500	2497
20°	2543	2469	2455
25°	2529	2424	2399
30°	2507	2378	2335
35°	2483	2328	2274
40°	2451	2271	2209
45°	2419	2216	2153
50°	2376	2158	2083
55°	2339	2089	2023
60°	2299	2016	1937
65°	2276	1917	1851
70°	2284	1822	1751
75°	2331	1691	1620
80°	2366	1519	1455
85°	2238	1364	1343



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.9	2.9
10°-20°	261.4	8.4
20°-30°	397.0	12.7
30°-40°	479.5	15.4
40°-50°	501.9	16.1
50°-60°	465.7	15.0
60°-70°	377.2	12.1
70°-80°	254.6	8.2
80°-90°	123.0	3.9
90°-100°	61.9	2.0
100°-110°	45.0	1.4
110°-120°	30.0	1.0
120°-130°	17.4	0.6
130°-140°	8.8	0.3
140°-150°	0.7	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	749.3	24.1
0°-40°	1228.8	39.4
0°-60°	2196.4	70.5
0°-90°	2951.2	94.7
90°-120°	136.9	4.4
90°-150°	163.8	5.3
90°-180°	164.0	5.3
0°-180°	3115.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	960	960	960	960	960	
5°	957	956	956	954	954	91
15°	937	932	926	920	916	265
25°	885	877	861	846	839	408
35°	800	789	767	744	732	501
45°	688	676	651	624	613	530
55°	558	545	520	495	483	499
65°	421	406	377	357	343	418
75°	294	264	234	217	204	310
85°	142	123	104	94	85	134
90°	85	77	66	60	50	48
95°	68	63	57	50	44	53
105°	50	47	42	38	35	54
115°	35	31	31	27	27	34
125°	22	19	20	17	19	19
135°	13	11	11	11	13	10
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°	960.4	960.4	960.4	960.4	960.4
2.5°	960.4	958.8	958.8	958.8	958.8
5°	957.3	955.7	955.7	954.1	954.1
7.5°	955.7	952.6	951.0	949.4	949.4
10°	951.0	947.8	944.7	941.6	941.6
12.5°	944.7	941.6	936.8	930.5	930.5
15°	936.8	932.1	925.8	919.5	916.4
17.5°	927.4	922.7	913.3	903.8	900.7
20°	914.8	908.5	899.1	886.5	883.4
22.5°	900.7	894.4	880.2	867.7	861.4
25°	885.0	877.1	861.4	845.7	839.4
27.5°	866.1	858.2	841.0	822.1	814.2
30°	845.7	836.2	817.4	796.9	787.5
32.5°	823.7	812.7	792.2	770.2	760.8
35°	800.1	789.1	767.1	743.5	732.5
37.5°	774.9	763.9	740.4	715.2	704.2
40°	746.6	735.6	710.5	685.3	672.8
42.5°	716.8	707.3	682.2	655.5	642.9
45°	688.5	675.9	650.8	624.0	613.0
47.5°	655.5	646.0	619.3	592.6	580.0
50°	624.0	613.0	587.9	561.2	547.0
52.5°	591.0	581.6	554.9	528.1	515.6
55°	558.0	545.4	520.3	495.1	482.6
57.5°	523.4	512.4	487.3	463.7	448.0
60°	488.9	477.8	451.1	429.1	411.8
62.5°	455.8	443.3	415.0	391.4	377.2
65°	421.3	405.5	377.2	356.8	342.7
67.5°	388.3	369.4	341.1	322.2	308.1
70°	356.8	334.8	306.5	287.7	273.5
72.5°	325.4	298.7	268.8	251.5	238.9
75°	293.9	264.1	234.2	216.9	204.3
77.5°	262.5	227.9	198.1	183.9	171.3
80°	224.8	191.8	163.5	150.9	138.3
82.5°	182.3	155.6	132.0	119.5	110.0
85°	141.5	122.6	103.7	94.3	84.9
87.5°	110.0	95.9	81.7	73.9	66.0
90°	84.9	77.0	66.0	59.7	50.3
92.5°	73.9	67.6	59.7	53.4	45.6
95°	67.6	62.9	56.6	50.3	44.0
97.5°	61.3	58.2	51.9	47.2	40.9
100°	58.2	53.4	48.7	44.0	39.3
102.5°	55.0	50.3	45.6	40.9	37.7
105°	50.3	47.2	42.4	37.7	34.6
107.5°	47.2	42.4	39.3	34.6	33.0
110°	42.4	39.3	36.2	33.0	31.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	37.7	36.2	33.0	29.9	28.3
115°	34.6	31.4	31.4	26.7	26.7
117.5°	31.4	28.3	28.3	25.1	25.1
120°	26.7	25.1	25.1	22.0	22.0
122.5°	23.6	22.0	22.0	20.4	20.4
125°	22.0	18.9	20.4	17.3	18.9
127.5°	18.9	17.3	17.3	15.7	17.3
130°	15.7	14.1	14.1	14.1	15.7
132.5°	14.1	12.6	12.6	12.6	14.1
135°	12.6	11.0	11.0	11.0	12.6
137.5°	11.0	9.4	7.9	9.4	11.0
140°	9.4	7.9	6.3	7.9	9.4
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)