

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: P384622

Luminaire Tested: **22ID-30-L830-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384622
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-L830-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

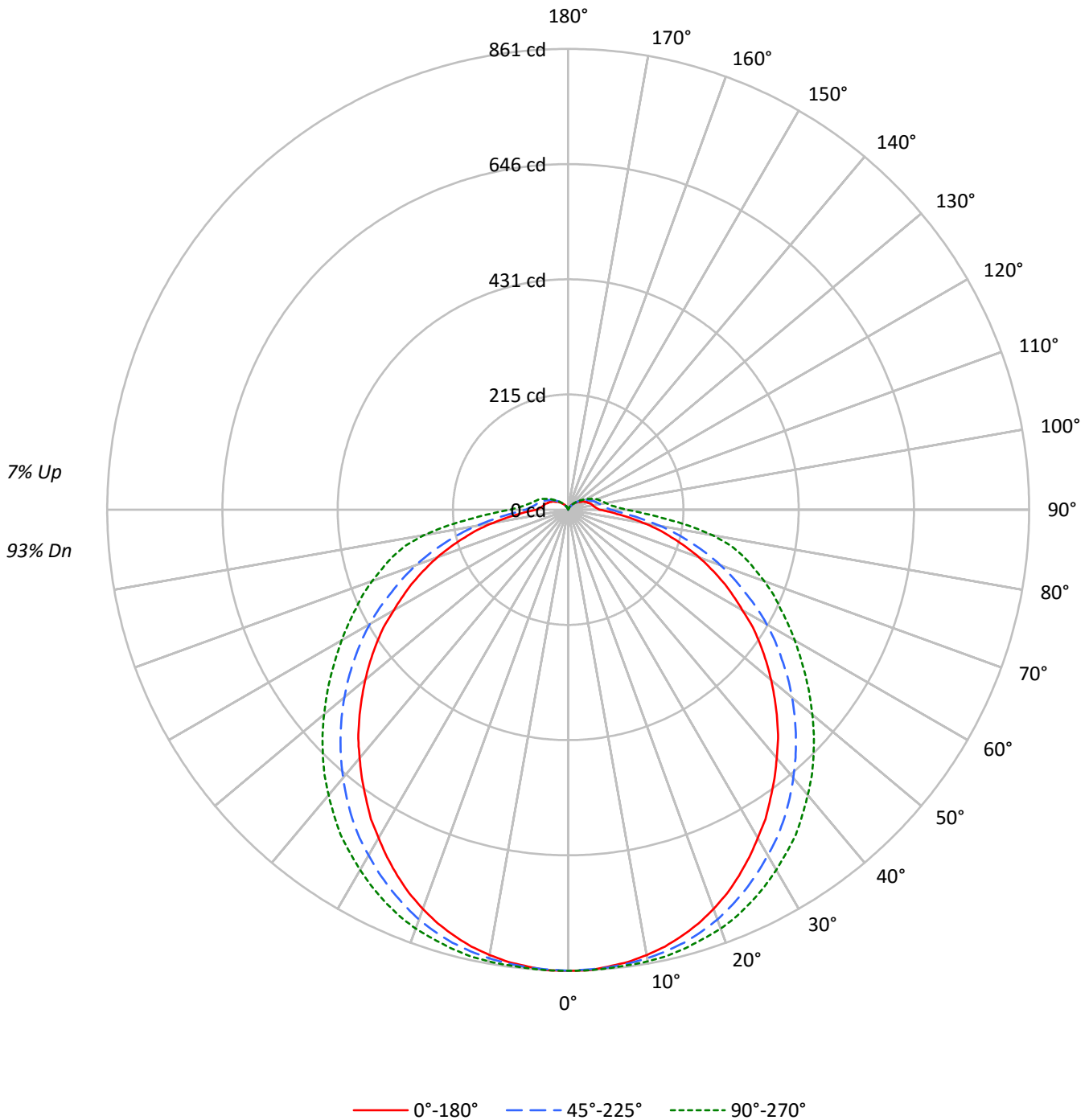
Lumens per Lamp: N/A
Luminaire Lumens: 3014.5 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 24.2
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°	2318	2318	2318
5°	2290	2283	2298
10°	2259	2255	2291
15°	2221	2227	2286
20°	2174	2192	2281
25°	2117	2149	2269
30°	2052	2103	2252
35°	1989	2057	2239
40°	1926	2001	2213
45°	1866	1945	2192
50°	1802	1887	2169
55°	1742	1825	2154
60°	1663	1766	2162
65°	1600	1680	2197
70°	1523	1600	2281
75°	1417	1488	2409
80°	1295	1350	2481
85°	1166	1184	2236



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	2.7
10°-20°	236.0	7.8
20°-30°	360.6	12.0
30°-40°	439.0	14.6
40°-50°	464.0	15.4
50°-60°	438.0	14.5
60°-70°	368.5	12.2
70°-80°	265.7	8.8
80°-90°	140.1	4.6
90°-100°	75.0	2.5
100°-110°	56.9	1.9
110°-120°	41.3	1.4
120°-130°	26.0	0.9
130°-140°	14.0	0.5
140°-150°	6.1	0.2
150°-160°	1.6	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	678.3	22.5
0°-40°	1117.3	37.1
0°-60°	2019.3	67.0
0°-90°	2793.5	92.7
90°-120°	173.2	5.7
90°-150°	219.3	7.3
90°-180°	221.0	7.3
0°-180°	3014.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	861	861	861	861	861	
5°	857	857	858	858	860	81
15°	824	827	837	843	848	232
25°	755	764	783	801	809	348
35°	658	674	704	731	741	412
45°	552	568	601	634	648	426
55°	438	457	487	523	541	391
65°	319	337	364	409	438	315
75°	200	216	238	284	340	212
85°	92	104	116	144	176	86
90°	59	69	80	95	108	34
95°	51	59	68	77	83	41
105°	44	48	54	60	63	46
115°	35	38	42	45	48	35
125°	26	26	30	30	32	23
135°	18	16	18	18	20	14
145°	10	9	9	9	10	7
155°	4	4	2	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°	861.4	861.4	861.4	861.4	861.4
2.5°	861.4	859.9	859.9	859.9	861.4
5°	856.9	856.9	858.4	858.4	859.9
7.5°	852.4	852.4	855.4	856.9	858.4
10°	844.9	846.4	850.9	853.9	856.9
12.5°	835.9	837.4	844.9	850.9	853.9
15°	823.9	826.9	837.4	843.4	847.9
17.5°	810.3	814.8	826.9	835.9	840.4
20°	793.8	799.8	814.8	826.9	832.9
22.5°	775.7	781.8	799.8	814.8	822.3
25°	754.7	763.7	783.3	801.3	808.8
27.5°	732.1	742.7	765.2	786.3	793.8
30°	708.1	720.1	745.7	768.2	777.2
32.5°	685.5	697.6	726.1	750.2	759.2
35°	658.5	673.5	703.6	730.6	741.2
37.5°	632.9	648.0	679.5	708.1	718.6
40°	605.9	620.9	654.0	685.5	696.1
42.5°	580.3	595.3	628.4	661.5	673.5
45°	551.7	568.3	601.4	634.4	648.0
47.5°	523.2	539.7	574.3	608.9	622.4
50°	494.6	512.7	545.7	580.3	595.3
52.5°	466.0	484.1	517.2	553.2	568.3
55°	437.5	457.0	487.1	523.2	541.2
57.5°	408.9	428.5	458.5	496.1	514.2
60°	375.8	398.4	428.5	467.6	488.6
62.5°	347.3	366.8	396.9	437.5	463.0
65°	318.7	336.8	363.8	408.9	437.5
67.5°	288.6	308.2	333.8	375.8	414.9
70°	260.1	276.6	302.2	345.8	389.4
72.5°	230.0	246.6	270.6	315.7	363.8
75°	199.9	216.5	237.5	284.1	339.8
77.5°	172.9	186.4	206.0	251.1	311.2
80°	142.8	156.4	174.4	215.0	273.6
82.5°	115.8	127.8	142.8	178.9	225.5
85°	91.7	103.7	115.8	144.3	175.9
87.5°	73.7	82.7	94.7	115.8	136.8
90°	58.6	69.2	79.7	94.7	108.2
92.5°	54.1	63.1	72.2	84.2	93.2
95°	51.1	58.6	67.7	76.7	82.7
97.5°	48.1	55.6	63.1	72.2	76.7
100°	46.6	52.6	60.1	67.7	70.7
102.5°	45.1	49.6	57.1	63.1	67.7
105°	43.6	48.1	54.1	60.1	63.1
107.5°	40.6	45.1	51.1	57.1	60.1
110°	39.1	42.1	48.1	52.6	57.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	37.6	40.6	45.1	49.6	52.6
115°	34.6	37.6	42.1	45.1	48.1
117.5°	33.1	34.6	39.1	40.6	43.6
120°	30.1	31.6	36.1	37.6	39.1
122.5°	27.1	28.6	33.1	33.1	36.1
125°	25.6	25.6	30.1	30.1	31.6
127.5°	24.1	24.1	27.1	27.1	28.6
130°	21.0	21.0	24.1	24.1	24.1
132.5°	19.5	18.0	21.0	21.0	22.6
135°	18.0	16.5	18.0	18.0	19.5
137.5°	15.0	15.0	16.5	15.0	16.5
140°	13.5	12.0	13.5	13.5	15.0
142.5°	12.0	10.5	12.0	10.5	12.0
145°	10.5	9.0	9.0	9.0	10.5
147.5°	9.0	7.5	7.5	7.5	9.0
150°	7.5	6.0	6.0	6.0	7.5
152.5°	6.0	4.5	3.0	4.5	6.0
155°	4.5	4.5	1.5	3.0	4.5
157.5°	3.0	3.0	0.0	1.5	3.0
160°	1.5	1.5	0.0	1.5	1.5
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)