

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: P384286

Luminaire Tested: **22ID-30-L830-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384286
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-L830-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

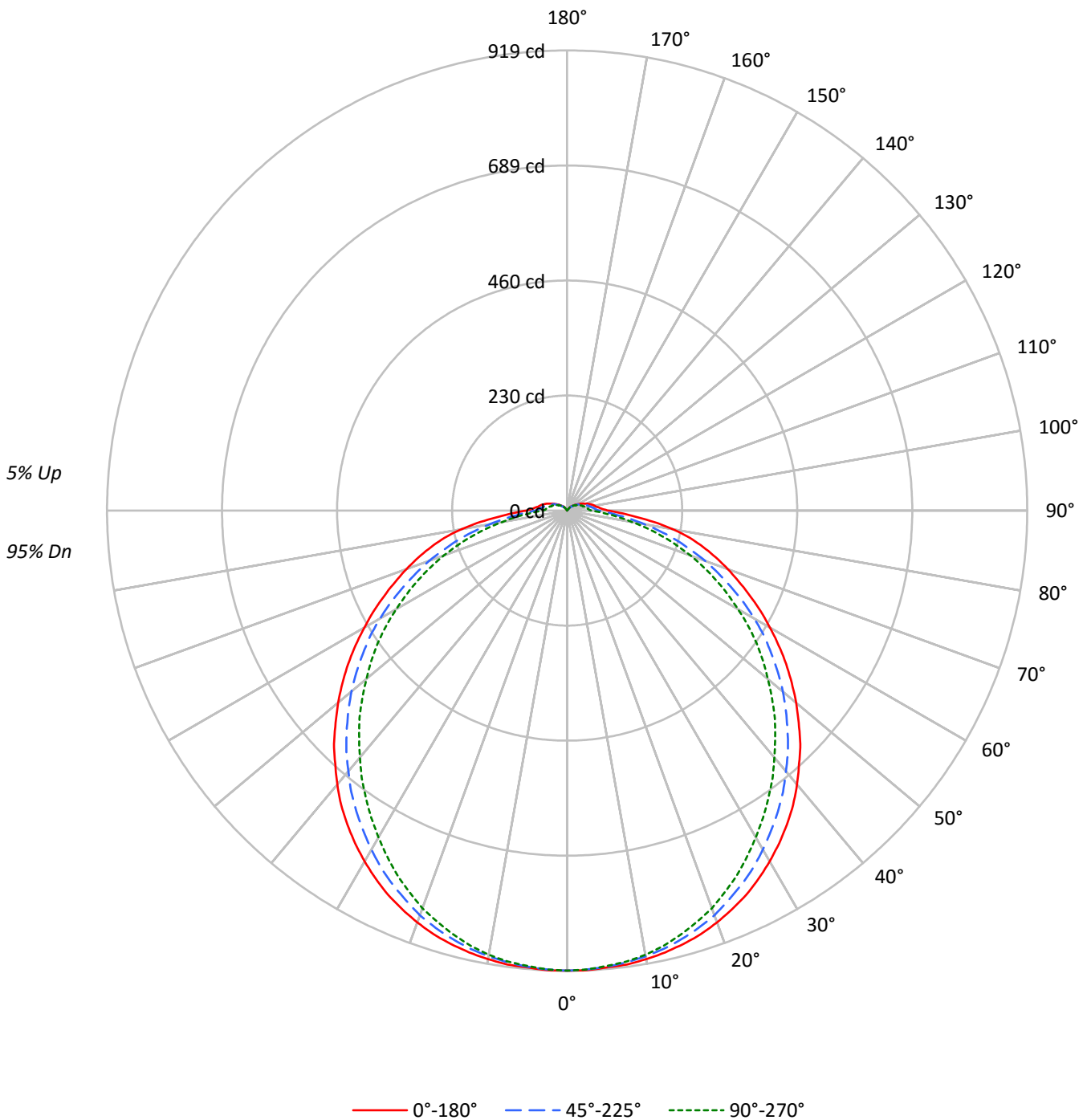
Lumens per Lamp: N/A
Luminaire Lumens: 2980.0 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 24.2
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



TEST NUMBER: P384286
CATALOG NUMBER: 22ID-30-L830-CFD2

Luminous Intensity Polar Plot





TEST NUMBER: P384286

CATALOG NUMBER: 22ID-30-L830-CFD2

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°	2472	2472	2472
5°	2456	2445	2448
10°	2450	2419	2426
15°	2442	2392	2389
20°	2433	2362	2349
25°	2420	2319	2295
30°	2398	2275	2234
35°	2376	2227	2175
40°	2345	2173	2113
45°	2314	2120	2060
50°	2274	2064	1993
55°	2238	1999	1936
60°	2200	1929	1853
65°	2177	1834	1771
70°	2186	1743	1675
75°	2230	1618	1550
80°	2263	1453	1392
85°	2140	1305	1284



TEST NUMBER: P384286

CATALOG NUMBER: 22ID-30-L830-CFD2

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.0	2.9
10°-20°	250.1	8.4
20°-30°	379.8	12.7
30°-40°	458.7	15.4
40°-50°	480.2	16.1
50°-60°	445.5	15.0
60°-70°	360.9	12.1
70°-80°	243.5	8.2
80°-90°	117.7	3.9
90°-100°	59.2	2.0
100°-110°	43.0	1.4
110°-120°	28.8	1.0
120°-130°	16.7	0.6
130°-140°	8.4	0.3
140°-150°	0.6	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	716.8	24.1
0°-40°	1175.6	39.4
0°-60°	2101.2	70.5
0°-90°	2823.3	94.7
90°-120°	131.0	4.4
90°-150°	156.7	5.3
90°-180°	157.0	5.3
0°-180°	2980.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	919	919	919	919	919	
5°	916	914	914	913	913	87
15°	896	892	886	880	877	253
25°	847	839	824	809	803	390
35°	765	755	734	711	701	479
45°	659	647	623	597	586	507
55°	534	522	498	474	462	477
65°	403	388	361	341	328	400
75°	281	253	224	208	196	296
85°	135	117	99	90	81	128
90°	81	74	63	57	48	46
95°	65	60	54	48	42	51
105°	48	45	41	36	33	51
115°	33	30	30	26	26	33
125°	21	18	20	16	18	18
135°	12	10	10	10	12	9
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



TEST NUMBER: P384286

CATALOG NUMBER: 22ID-30-L830-CFD2

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	918.8	918.8	918.8	918.8	918.8
2.5°	918.8	917.3	917.3	917.3	917.3
5°	915.8	914.3	914.3	912.8	912.8
7.5°	914.3	911.3	909.8	908.3	908.3
10°	909.8	906.8	903.8	900.7	900.7
12.5°	903.8	900.7	896.2	890.2	890.2
15°	896.2	891.7	885.7	879.7	876.7
17.5°	887.2	882.7	873.7	864.7	861.6
20°	875.2	869.2	860.1	848.1	845.1
22.5°	861.6	855.6	842.1	830.1	824.1
25°	846.6	839.1	824.1	809.0	803.0
27.5°	828.6	821.0	804.5	786.5	778.9
30°	809.0	800.0	781.9	762.4	753.4
32.5°	788.0	777.4	757.9	736.8	727.8
35°	765.4	754.9	733.8	711.3	700.7
37.5°	741.3	730.8	708.3	684.2	673.7
40°	714.3	703.8	679.7	655.6	643.6
42.5°	685.7	676.7	652.6	627.1	615.0
45°	658.6	646.6	622.6	597.0	586.5
47.5°	627.1	618.0	592.5	566.9	554.9
50°	597.0	586.5	562.4	536.8	523.3
52.5°	565.4	556.4	530.8	505.3	493.2
55°	533.8	521.8	497.7	473.7	461.7
57.5°	500.7	490.2	466.2	443.6	428.6
60°	467.7	457.1	431.6	410.5	394.0
62.5°	436.1	424.1	397.0	374.4	360.9
65°	403.0	388.0	360.9	341.4	327.8
67.5°	371.4	353.4	326.3	308.3	294.7
70°	341.4	320.3	293.2	275.2	261.7
72.5°	311.3	285.7	257.1	240.6	228.6
75°	281.2	252.6	224.1	207.5	195.5
77.5°	251.1	218.0	189.5	175.9	163.9
80°	215.0	183.5	156.4	144.4	132.3
82.5°	174.4	148.9	126.3	114.3	105.3
85°	135.3	117.3	99.2	90.2	81.2
87.5°	105.3	91.7	78.2	70.7	63.2
90°	81.2	73.7	63.2	57.1	48.1
92.5°	70.7	64.7	57.1	51.1	43.6
95°	64.7	60.1	54.1	48.1	42.1
97.5°	58.6	55.6	49.6	45.1	39.1
100°	55.6	51.1	46.6	42.1	37.6
102.5°	52.6	48.1	43.6	39.1	36.1
105°	48.1	45.1	40.6	36.1	33.1
107.5°	45.1	40.6	37.6	33.1	31.6
110°	40.6	37.6	34.6	31.6	30.1



TEST NUMBER: P384286

CATALOG NUMBER: 22ID-30-L830-CFD2

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	36.1	34.6	31.6	28.6	27.1
115°	33.1	30.1	30.1	25.6	25.6
117.5°	30.1	27.1	27.1	24.1	24.1
120°	25.6	24.1	24.1	21.1	21.1
122.5°	22.6	21.1	21.1	19.5	19.5
125°	21.1	18.0	19.5	16.5	18.0
127.5°	18.0	16.5	16.5	15.0	16.5
130°	15.0	13.5	13.5	13.5	15.0
132.5°	13.5	12.0	12.0	12.0	13.5
135°	12.0	10.5	10.5	10.5	12.0
137.5°	10.5	9.0	7.5	9.0	10.5
140°	9.0	7.5	6.0	7.5	9.0
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)