

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: P384626

Luminaire Tested: **22ID-35-L830-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384626
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-35-L830-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

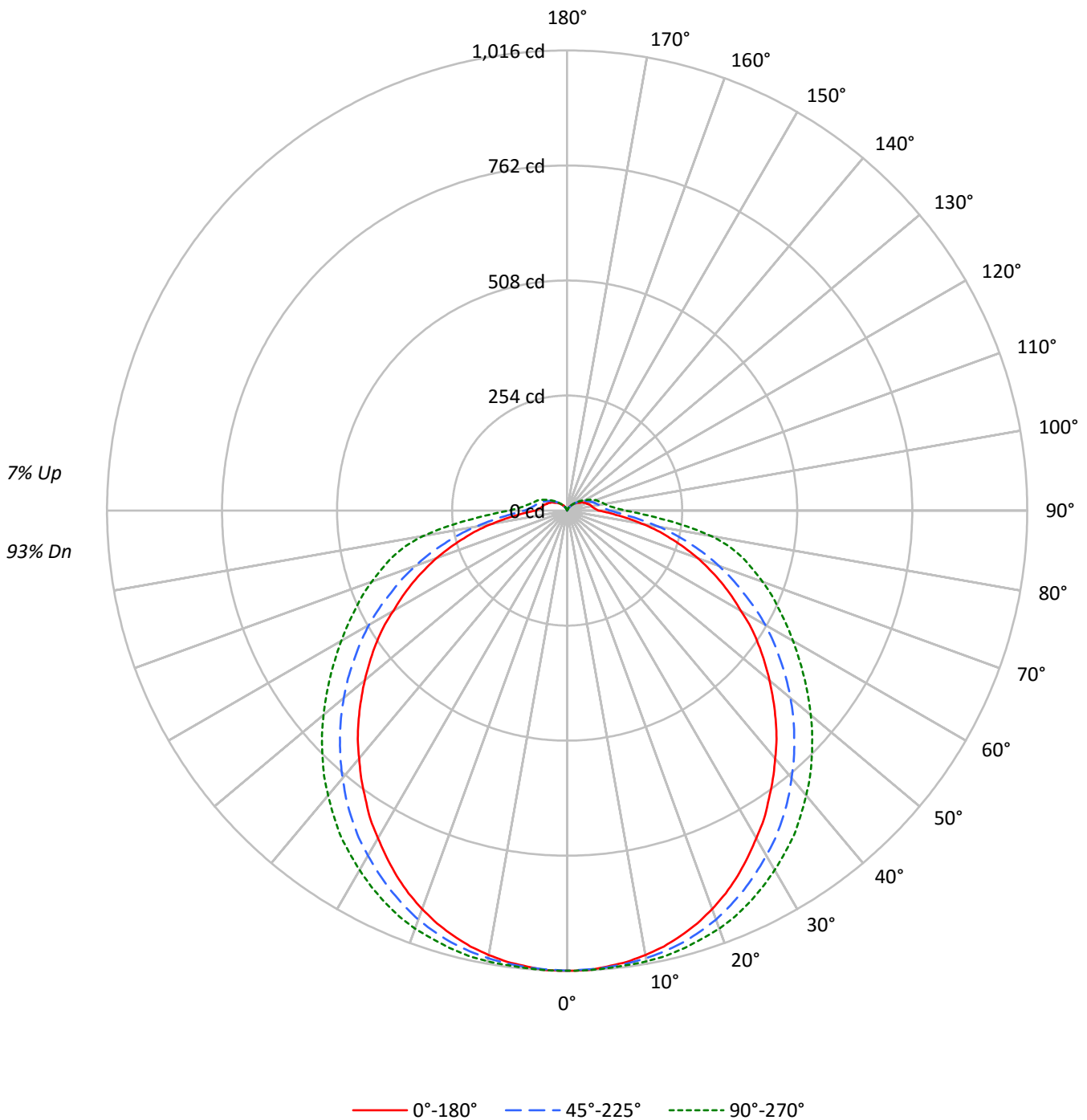
Lumens per Lamp: N/A
Luminaire Lumens: 3555.0 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 28.8
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



TEST NUMBER: P384626
CATALOG NUMBER: 22ID-35-L830-CFD3

Luminous Intensity Polar Plot





TEST NUMBER: P384626

CATALOG NUMBER: 22ID-35-L830-CFD3

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°	2734	2734	2734
5°	2700	2693	2710
10°	2664	2659	2702
15°	2619	2627	2695
20°	2564	2585	2690
25°	2497	2534	2676
30°	2420	2479	2656
35°	2346	2425	2640
40°	2272	2359	2610
45°	2201	2294	2585
50°	2125	2226	2558
55°	2054	2152	2541
60°	1961	2082	2549
65°	1888	1981	2591
70°	1796	1887	2689
75°	1672	1755	2841
80°	1527	1592	2926
85°	1374	1395	2637



TEST NUMBER: P384626

CATALOG NUMBER: 22ID-35-L830-CFD3

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.3	2.7
10°-20°	278.4	7.8
20°-30°	425.3	12.0
30°-40°	517.7	14.6
40°-50°	547.2	15.4
50°-60°	516.5	14.5
60°-70°	434.5	12.2
70°-80°	313.3	8.8
80°-90°	165.2	4.6
90°-100°	88.4	2.5
100°-110°	67.2	1.9
110°-120°	48.7	1.4
120°-130°	30.6	0.9
130°-140°	16.5	0.5
140°-150°	7.2	0.2
150°-160°	1.9	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	800.0	22.5
0°-40°	1317.6	37.1
0°-60°	2381.3	67.0
0°-90°	3294.4	92.7
90°-120°	204.3	5.7
90°-150°	258.7	7.3
90°-180°	261.0	7.3
0°-180°	3555.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1016	1016	1016	1016	1016	
5°	1011	1011	1012	1012	1014	96
15°	972	975	988	995	1000	274
25°	890	901	924	945	954	410
35°	776	794	830	862	874	486
45°	651	670	709	748	764	502
55°	516	539	574	617	638	461
65°	376	397	429	482	516	372
75°	236	255	280	335	401	250
85°	108	122	136	170	207	101
90°	69	82	94	112	128	40
95°	60	69	80	90	98	48
105°	51	57	64	71	74	54
115°	41	44	50	53	57	41
125°	30	30	36	36	37	27
135°	21	20	21	21	23	16
145°	12	11	11	11	12	8
155°	5	5	2	4	5	3
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P384626

CATALOG NUMBER: 22ID-35-L830-CFD3

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1015.9	1015.9	1015.9	1015.9	1015.9
2.5°	1015.9	1014.1	1014.1	1014.1	1015.9
5°	1010.6	1010.6	1012.3	1012.3	1014.1
7.5°	1005.3	1005.3	1008.8	1010.6	1012.3
10°	996.4	998.2	1003.5	1007.0	1010.6
12.5°	985.8	987.5	996.4	1003.5	1007.0
15°	971.6	975.1	987.5	994.6	999.9
17.5°	955.6	960.9	975.1	985.8	991.1
20°	936.1	943.2	960.9	975.1	982.2
22.5°	914.8	921.9	943.2	960.9	969.8
25°	890.0	900.7	923.7	945.0	953.8
27.5°	863.4	875.8	902.4	927.2	936.1
30°	835.1	849.2	879.4	906.0	916.6
32.5°	808.5	822.6	856.3	884.7	895.3
35°	776.5	794.3	829.7	861.6	874.1
37.5°	746.4	764.1	801.4	835.1	847.5
40°	714.5	732.2	771.2	808.5	820.9
42.5°	684.4	702.1	741.1	780.1	794.3
45°	650.7	670.2	709.2	748.2	764.1
47.5°	617.0	636.5	677.3	718.0	734.0
50°	583.3	604.6	643.6	684.4	702.1
52.5°	549.6	570.9	609.9	652.4	670.2
55°	515.9	539.0	574.4	617.0	638.3
57.5°	482.2	505.3	540.7	585.1	606.3
60°	443.2	469.8	505.3	551.4	576.2
62.5°	409.5	432.6	468.1	515.9	546.1
65°	375.9	397.1	429.1	482.2	515.9
67.5°	340.4	363.5	393.6	443.2	489.3
70°	306.7	326.2	356.4	407.8	459.2
72.5°	271.3	290.8	319.1	372.3	429.1
75°	235.8	255.3	280.1	335.1	400.7
77.5°	203.9	219.8	242.9	296.1	367.0
80°	168.4	184.4	205.7	253.5	322.7
82.5°	136.5	150.7	168.4	211.0	265.9
85°	108.1	122.3	136.5	170.2	207.4
87.5°	86.9	97.5	111.7	136.5	161.3
90°	69.1	81.6	94.0	111.7	127.7
92.5°	63.8	74.5	85.1	99.3	109.9
95°	60.3	69.1	79.8	90.4	97.5
97.5°	56.7	65.6	74.5	85.1	90.4
100°	55.0	62.1	70.9	79.8	83.3
102.5°	53.2	58.5	67.4	74.5	79.8
105°	51.4	56.7	63.8	70.9	74.5
107.5°	47.9	53.2	60.3	67.4	70.9
110°	46.1	49.6	56.7	62.1	67.4



TEST NUMBER: P384626

CATALOG NUMBER: 22ID-35-L830-CFD3

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	44.3	47.9	53.2	58.5	62.1
115°	40.8	44.3	49.6	53.2	56.7
117.5°	39.0	40.8	46.1	47.9	51.4
120°	35.5	37.2	42.6	44.3	46.1
122.5°	31.9	33.7	39.0	39.0	42.6
125°	30.1	30.1	35.5	35.5	37.2
127.5°	28.4	28.4	31.9	31.9	33.7
130°	24.8	24.8	28.4	28.4	28.4
132.5°	23.0	21.3	24.8	24.8	26.6
135°	21.3	19.5	21.3	21.3	23.0
137.5°	17.7	17.7	19.5	17.7	19.5
140°	16.0	14.2	16.0	16.0	17.7
142.5°	14.2	12.4	14.2	12.4	14.2
145°	12.4	10.6	10.6	10.6	12.4
147.5°	10.6	8.9	8.9	8.9	10.6
150°	8.9	7.1	7.1	7.1	8.9
152.5°	7.1	5.3	3.5	5.3	7.1
155°	5.3	5.3	1.8	3.5	5.3
157.5°	3.5	3.5	0.0	1.8	3.5
160°	1.8	1.8	0.0	1.8	1.8
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)