

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: P384618

Luminaire Tested: **22ID-25-L830-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384618
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-25-L830-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

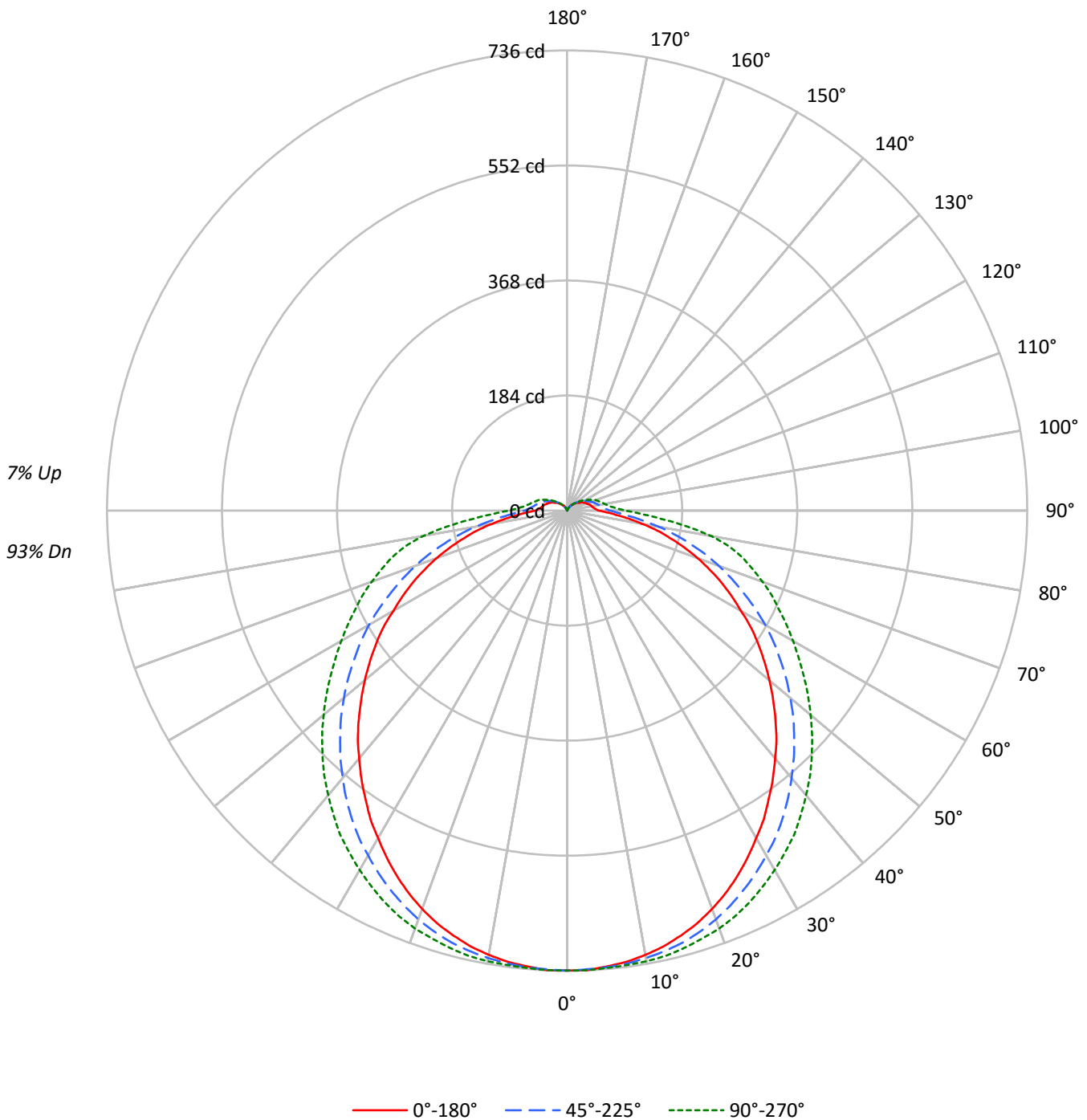
Lumens per Lamp: N/A
Luminaire Lumens: 2574.6 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 20.6
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°	1980	1980	1980
5°	1956	1950	1962
10°	1929	1926	1957
15°	1897	1902	1952
20°	1857	1872	1948
25°	1809	1835	1938
30°	1753	1796	1924
35°	1699	1757	1912
40°	1645	1708	1890
45°	1594	1661	1872
50°	1539	1612	1853
55°	1487	1558	1840
60°	1420	1508	1846
65°	1367	1435	1876
70°	1301	1367	1948
75°	1211	1271	2057
80°	1106	1152	2119
85°	995	1011	1909



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	2.7
10°-20°	201.6	7.8
20°-30°	308.0	12.0
30°-40°	374.9	14.6
40°-50°	396.3	15.4
50°-60°	374.0	14.5
60°-70°	314.7	12.2
70°-80°	226.9	8.8
80°-90°	119.7	4.6
90°-100°	64.0	2.5
100°-110°	48.6	1.9
110°-120°	35.3	1.4
120°-130°	22.1	0.9
130°-140°	12.0	0.5
140°-150°	5.2	0.2
150°-160°	1.4	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	579.4	22.5
0°-40°	954.3	37.1
0°-60°	1724.6	67.0
0°-90°	2385.8	92.7
90°-120°	148.0	5.7
90°-150°	187.3	7.3
90°-180°	189.0	7.3
0°-180°	2574.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	736	736	736	736	736	
5°	732	732	733	733	734	70
15°	704	706	715	720	724	198
25°	645	652	669	684	691	297
35°	562	575	601	624	633	352
45°	471	485	514	542	553	364
55°	374	390	416	447	462	334
65°	272	288	311	349	374	269
75°	171	185	203	243	290	181
85°	78	89	99	123	150	73
90°	50	59	68	81	92	29
95°	44	50	58	66	71	35
105°	37	41	46	51	54	39
115°	30	32	36	38	41	30
125°	22	22	26	26	27	20
135°	15	14	15	15	17	12
145°	9	8	8	8	9	6
155°	4	4	1	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°	735.7	735.7	735.7	735.7	735.7
2.5°	735.7	734.4	734.4	734.4	735.7
5°	731.9	731.9	733.2	733.2	734.4
7.5°	728.0	728.0	730.6	731.9	733.2
10°	721.6	722.9	726.7	729.3	731.9
12.5°	713.9	715.2	721.6	726.7	729.3
15°	703.6	706.2	715.2	720.3	724.2
17.5°	692.1	695.9	706.2	713.9	717.8
20°	677.9	683.1	695.9	706.2	711.3
22.5°	662.5	667.7	683.1	695.9	702.3
25°	644.6	652.3	669.0	684.4	690.8
27.5°	625.3	634.3	653.6	671.5	677.9
30°	604.8	615.0	636.9	656.1	663.8
32.5°	585.5	595.8	620.2	640.7	648.4
35°	562.4	575.2	600.9	624.0	633.0
37.5°	540.6	553.4	580.4	604.8	613.7
40°	517.5	530.3	558.5	585.5	594.5
42.5°	495.6	508.5	536.7	565.0	575.2
45°	471.2	485.4	513.6	541.8	553.4
47.5°	446.8	461.0	490.5	520.0	531.6
50°	422.4	437.8	466.1	495.6	508.5
52.5°	398.0	413.4	441.7	472.5	485.4
55°	373.6	390.3	416.0	446.8	462.2
57.5°	349.2	365.9	391.6	423.7	439.1
60°	321.0	340.3	365.9	399.3	417.3
62.5°	296.6	313.3	339.0	373.6	395.5
65°	272.2	287.6	310.7	349.2	373.6
67.5°	246.5	263.2	285.0	321.0	354.4
70°	222.1	236.3	258.1	295.3	332.6
72.5°	196.5	210.6	231.1	269.6	310.7
75°	170.8	184.9	202.9	242.7	290.2
77.5°	147.7	159.2	175.9	214.4	265.8
80°	122.0	133.5	148.9	183.6	233.7
82.5°	98.9	109.1	122.0	152.8	192.6
85°	78.3	88.6	98.9	123.3	150.2
87.5°	62.9	70.6	80.9	98.9	116.8
90°	50.1	59.1	68.1	80.9	92.4
92.5°	46.2	53.9	61.6	71.9	79.6
95°	43.7	50.1	57.8	65.5	70.6
97.5°	41.1	47.5	53.9	61.6	65.5
100°	39.8	44.9	51.4	57.8	60.3
102.5°	38.5	42.4	48.8	53.9	57.8
105°	37.2	41.1	46.2	51.4	53.9
107.5°	34.7	38.5	43.7	48.8	51.4
110°	33.4	36.0	41.1	44.9	48.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	32.1	34.7	38.5	42.4	44.9
115°	29.5	32.1	36.0	38.5	41.1
117.5°	28.2	29.5	33.4	34.7	37.2
120°	25.7	27.0	30.8	32.1	33.4
122.5°	23.1	24.4	28.2	28.2	30.8
125°	21.8	21.8	25.7	25.7	27.0
127.5°	20.5	20.5	23.1	23.1	24.4
130°	18.0	18.0	20.5	20.5	20.5
132.5°	16.7	15.4	18.0	18.0	19.3
135°	15.4	14.1	15.4	15.4	16.7
137.5°	12.8	12.8	14.1	12.8	14.1
140°	11.6	10.3	11.6	11.6	12.8
142.5°	10.3	9.0	10.3	9.0	10.3
145°	9.0	7.7	7.7	7.7	9.0
147.5°	7.7	6.4	6.4	6.4	7.7
150°	6.4	5.1	5.1	5.1	6.4
152.5°	5.1	3.9	2.6	3.9	5.1
155°	3.9	3.9	1.3	2.6	3.9
157.5°	2.6	2.6	0.0	1.3	2.6
160°	1.3	1.3	0.0	1.3	1.3
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)