

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: P384117

Luminaire Tested: **22ID-25-L850-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-67)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-25-L850-CFD1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

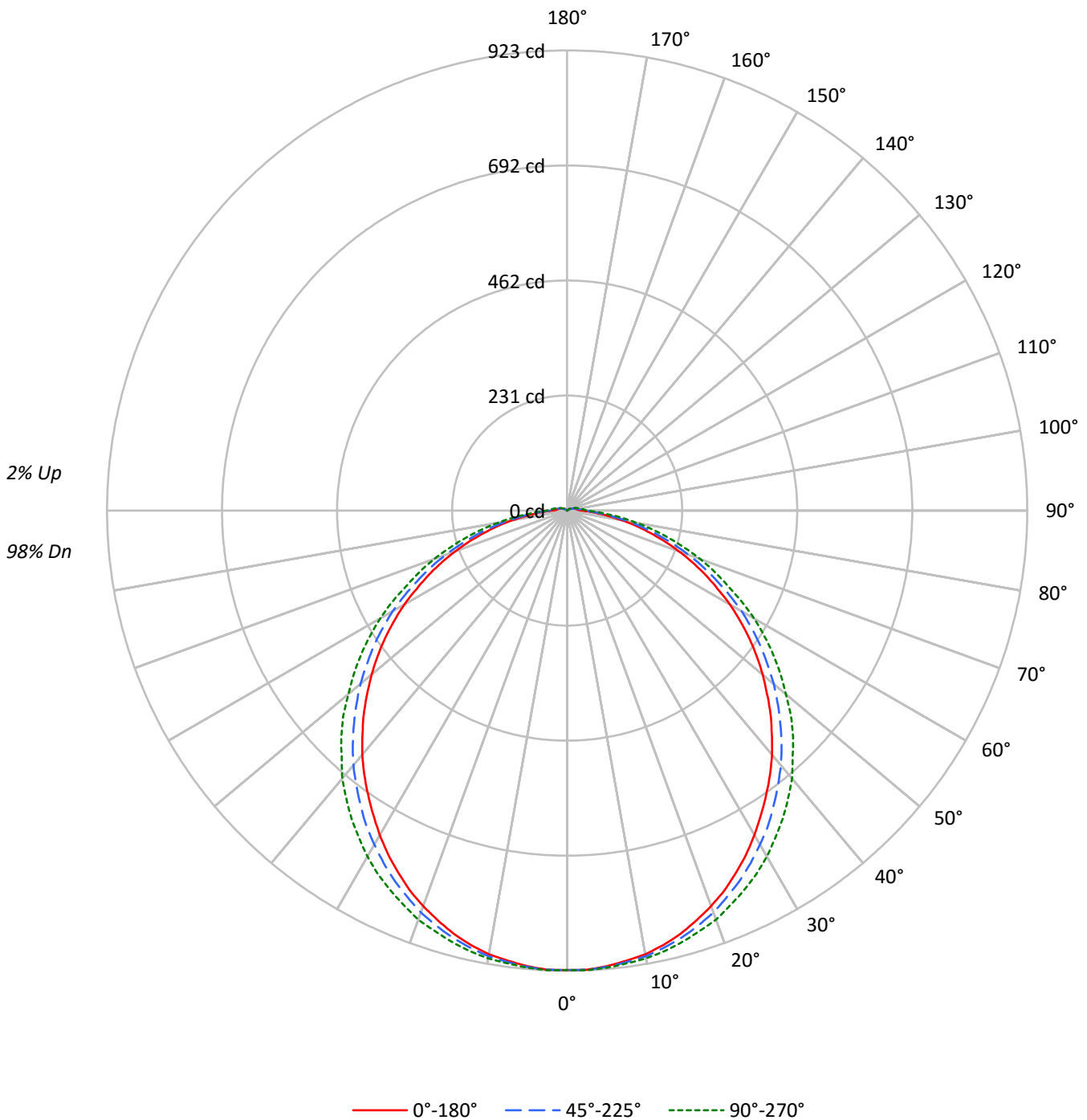
Lumens per Lamp: N/A
Luminaire Lumens: 2729.4 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 20.7
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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	92	96	92	89	91	88	86	87	85	83	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	76	69	63	73	67	61	70	64	60	67	62	58	56
4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	44	41
6	69	56	47	40	67	55	46	40	52	45	39	51	44	39	49	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2480	2480	2480
5°	2469	2469	2477
10°	2451	2455	2474
15°	2421	2433	2467
20°	2381	2405	2463
25°	2334	2367	2446
30°	2280	2324	2431
35°	2222	2279	2407
40°	2170	2233	2381
45°	2108	2173	2341
50°	2042	2116	2285
55°	1973	2048	2237
60°	1896	1974	2174
65°	1796	1862	2070
70°	1680	1753	2003
75°	1544	1604	1892
80°	1388	1431	1769
85°	1245	1277	1680



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.3	3.2
10°-20°	250.2	9.2
20°-30°	377.7	13.8
30°-40°	452.6	16.6
40°-50°	467.9	17.1
50°-60°	423.7	15.5
60°-70°	327.9	12.0
70°-80°	201.4	7.4
80°-90°	80.0	2.9
90°-100°	29.2	1.1
100°-110°	17.9	0.7
110°-120°	9.2	0.3
120°-130°	3.9	0.1
130°-140°	0.3	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	715.2	26.2
0°-40°	1167.8	42.8
0°-60°	2059.5	75.5
0°-90°	2668.8	97.8
90°-120°	56.4	2.1
90°-150°	60.6	2.2
90°-180°	61.0	2.2
0°-180°	2729.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	922	922	922	922	922	
5°	917	917	919	919	920	87
15°	879	880	887	892	895	248
25°	801	807	819	833	840	369
35°	696	704	722	742	754	436
45°	577	584	605	630	641	445
55°	446	455	473	494	505	398
65°	307	314	329	346	354	304
75°	172	180	188	201	210	183
85°	60	64	69	76	80	59
90°	28	32	35	39	42	16
95°	21	24	26	29	32	17
105°	15	15	17	18	19	16
115°	10	8	8	10	11	10
125°	6	4	3	4	6	5
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
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°	921.6	921.6	921.6	921.6	921.6
2.5°	921.6	920.2	921.6	921.6	923.0
5°	917.4	917.4	918.8	918.8	920.2
7.5°	910.5	910.5	913.3	914.7	916.0
10°	903.6	903.6	907.7	909.1	911.9
12.5°	892.5	893.9	898.0	902.2	905.0
15°	878.7	880.1	887.0	892.5	895.3
17.5°	862.1	864.8	873.1	881.4	884.2
20°	844.1	848.2	857.9	867.6	873.1
22.5°	824.7	827.5	838.5	851.0	856.5
25°	801.2	806.7	819.2	833.0	839.9
27.5°	777.7	783.2	797.0	813.6	821.9
30°	751.4	756.9	773.5	791.5	801.2
32.5°	723.7	730.6	750.0	768.0	777.7
35°	696.0	704.3	722.3	741.7	754.1
37.5°	668.3	675.3	694.6	715.4	727.8
40°	639.3	646.2	667.0	687.7	701.6
42.5°	607.5	615.8	636.5	658.7	669.7
45°	577.0	583.9	604.7	629.6	640.7
47.5°	543.8	553.5	572.9	596.4	608.8
50°	512.0	520.3	541.0	563.2	572.9
52.5°	478.8	487.1	506.4	528.6	539.7
55°	445.6	455.3	473.2	494.0	505.1
57.5°	411.0	420.7	438.6	456.6	469.1
60°	377.8	387.4	404.1	422.0	433.1
62.5°	340.4	348.7	366.7	386.1	394.4
65°	307.2	314.1	329.3	345.9	354.2
67.5°	272.6	280.9	294.7	310.0	319.6
70°	238.0	247.7	258.8	272.6	283.7
72.5°	204.8	213.1	222.8	236.6	246.3
75°	171.6	179.9	188.2	200.6	210.3
77.5°	142.5	146.7	155.0	166.0	175.7
80°	110.7	116.2	123.2	134.2	141.1
82.5°	83.0	88.6	94.1	102.4	109.3
85°	59.5	63.7	69.2	76.1	80.3
87.5°	40.1	44.3	48.4	54.0	58.1
90°	27.7	31.8	34.6	38.7	41.5
92.5°	23.5	26.3	29.1	31.8	34.6
95°	20.8	23.5	26.3	29.1	31.8
97.5°	19.4	20.8	23.5	26.3	27.7
100°	18.0	19.4	20.8	23.5	24.9
102.5°	16.6	16.6	19.4	20.8	22.1
105°	15.2	15.2	16.6	18.0	19.4
107.5°	13.8	13.8	15.2	15.2	18.0
110°	12.5	11.1	12.5	12.5	15.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	11.1	9.7	11.1	11.1	12.5
115°	9.7	8.3	8.3	9.7	11.1
117.5°	8.3	6.9	6.9	6.9	9.7
120°	8.3	6.9	5.5	5.5	8.3
122.5°	6.9	5.5	4.2	5.5	6.9
125°	5.5	4.2	2.8	4.2	5.5
127.5°	4.2	4.2	1.4	2.8	4.2
130°	4.2	2.8	1.4	2.8	2.8
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)