

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: P384230

Luminaire Tested: **14ID-30-L830-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384230
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: 14ID-30-L830-CFD2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

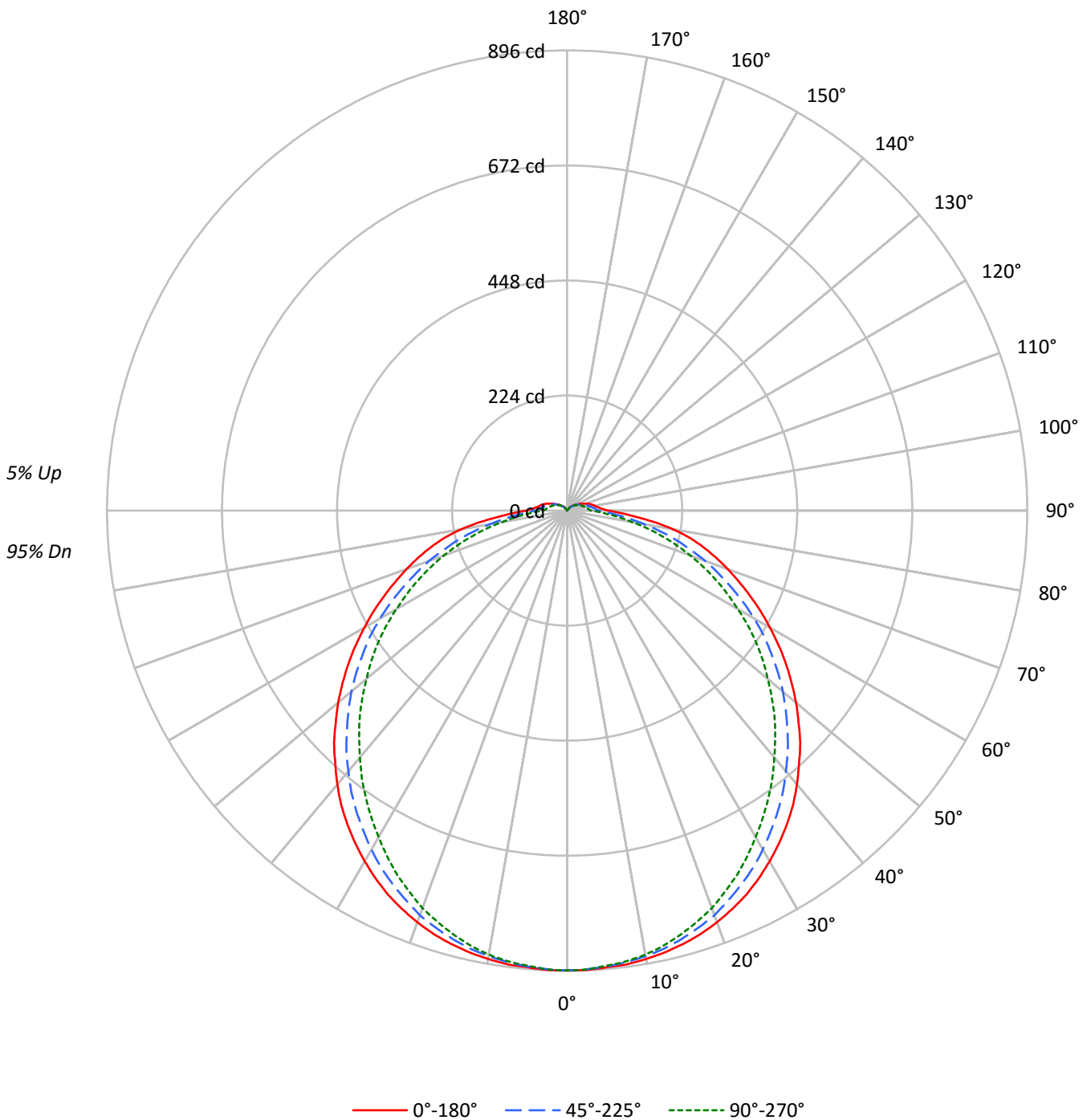
Lumens per Lamp: N/A
Luminaire Lumens: 2904.5 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 24.8
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



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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	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°	2410	2410	2410
5°	2402	2376	2369
10°	2405	2346	2330
15°	2407	2314	2279
20°	2406	2279	2224
25°	2403	2232	2156
30°	2393	2182	2081
35°	2381	2130	2009
40°	2363	2071	1933
45°	2345	2013	1865
50°	2321	1952	1781
55°	2304	1880	1705
60°	2288	1803	1604
65°	2296	1702	1499
70°	2349	1601	1376
75°	2466	1465	1221
80°	2627	1287	1028
85°	2759	1112	841



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	2.9
10°-20°	243.7	8.4
20°-30°	370.2	12.7
30°-40°	447.1	15.4
40°-50°	468.0	16.1
50°-60°	434.3	15.0
60°-70°	351.7	12.1
70°-80°	237.4	8.2
80°-90°	114.7	3.9
90°-100°	57.7	2.0
100°-110°	41.9	1.4
110°-120°	28.0	1.0
120°-130°	16.3	0.6
130°-140°	8.2	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°	698.6	24.1
0°-40°	1145.8	39.4
0°-60°	2048.0	70.5
0°-90°	2751.8	94.7
90°-120°	127.6	4.4
90°-150°	152.7	5.3
90°-180°	153.0	5.3
0°-180°	2904.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	896	896	896	896	896	
5°	893	891	891	890	890	85
15°	874	869	863	857	854	247
25°	825	818	803	788	783	380
35°	746	736	715	693	683	467
45°	642	630	607	582	572	495
55°	520	509	485	462	450	465
65°	393	378	352	333	320	390
75°	274	246	218	202	190	289
85°	132	114	97	88	79	125
90°	79	72	62	56	47	45
95°	63	59	53	47	41	50
105°	47	44	40	35	32	50
115°	32	29	29	25	25	32
125°	20	18	19	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	895.5	895.5	895.5	895.5	895.5
2.5°	895.5	894.0	894.0	894.0	894.0
5°	892.6	891.1	891.1	889.6	889.6
7.5°	891.1	888.2	886.7	885.3	885.3
10°	886.7	883.8	880.9	877.9	877.9
12.5°	880.9	877.9	873.5	867.7	867.7
15°	873.5	869.1	863.3	857.4	854.5
17.5°	864.7	860.3	851.5	842.7	839.8
20°	853.0	847.1	838.4	826.6	823.7
22.5°	839.8	834.0	820.8	809.0	803.2
25°	825.2	817.8	803.2	788.5	782.7
27.5°	807.6	800.2	784.1	766.5	759.2
30°	788.5	779.7	762.1	743.1	734.3
32.5°	768.0	757.7	738.7	718.2	709.4
35°	746.0	735.8	715.2	693.3	683.0
37.5°	722.6	712.3	690.3	666.9	656.6
40°	696.2	685.9	662.5	639.0	627.3
42.5°	668.3	659.5	636.1	611.2	599.5
45°	642.0	630.2	606.8	581.9	571.6
47.5°	611.2	602.4	577.5	552.5	540.8
50°	581.9	571.6	548.2	523.2	510.0
52.5°	551.1	542.3	517.4	492.5	480.7
55°	520.3	508.6	485.1	461.7	450.0
57.5°	488.1	477.8	454.4	432.4	417.7
60°	455.8	445.6	420.6	400.1	384.0
62.5°	425.0	413.3	386.9	364.9	351.8
65°	392.8	378.1	351.8	332.7	319.5
67.5°	362.0	344.4	318.0	300.5	287.3
70°	332.7	312.2	285.8	268.2	255.0
72.5°	303.4	278.5	250.6	234.5	222.8
75°	274.1	246.2	218.4	202.3	190.5
77.5°	244.8	212.5	184.7	171.5	159.8
80°	209.6	178.8	152.4	140.7	129.0
82.5°	170.0	145.1	123.1	111.4	102.6
85°	131.9	114.3	96.7	87.9	79.1
87.5°	102.6	89.4	76.2	68.9	61.6
90°	79.1	71.8	61.6	55.7	46.9
92.5°	68.9	63.0	55.7	49.8	42.5
95°	63.0	58.6	52.8	46.9	41.0
97.5°	57.2	54.2	48.4	44.0	38.1
100°	54.2	49.8	45.4	41.0	36.6
102.5°	51.3	46.9	42.5	38.1	35.2
105°	46.9	44.0	39.6	35.2	32.2
107.5°	44.0	39.6	36.6	32.2	30.8
110°	39.6	36.6	33.7	30.8	29.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	35.2	33.7	30.8	27.8	26.4
115°	32.2	29.3	29.3	24.9	24.9
117.5°	29.3	26.4	26.4	23.5	23.5
120°	24.9	23.5	23.5	20.5	20.5
122.5°	22.0	20.5	20.5	19.1	19.1
125°	20.5	17.6	19.1	16.1	17.6
127.5°	17.6	16.1	16.1	14.7	16.1
130°	14.7	13.2	13.2	13.2	14.7
132.5°	13.2	11.7	11.7	11.7	13.2
135°	11.7	10.3	10.3	10.3	11.7
137.5°	10.3	8.8	7.3	8.8	10.3
140°	8.8	7.3	5.9	7.3	8.8
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)