

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: P384114

Luminaire Tested: **22ID-25-L830-CFD1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384114
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-L830-CFD1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

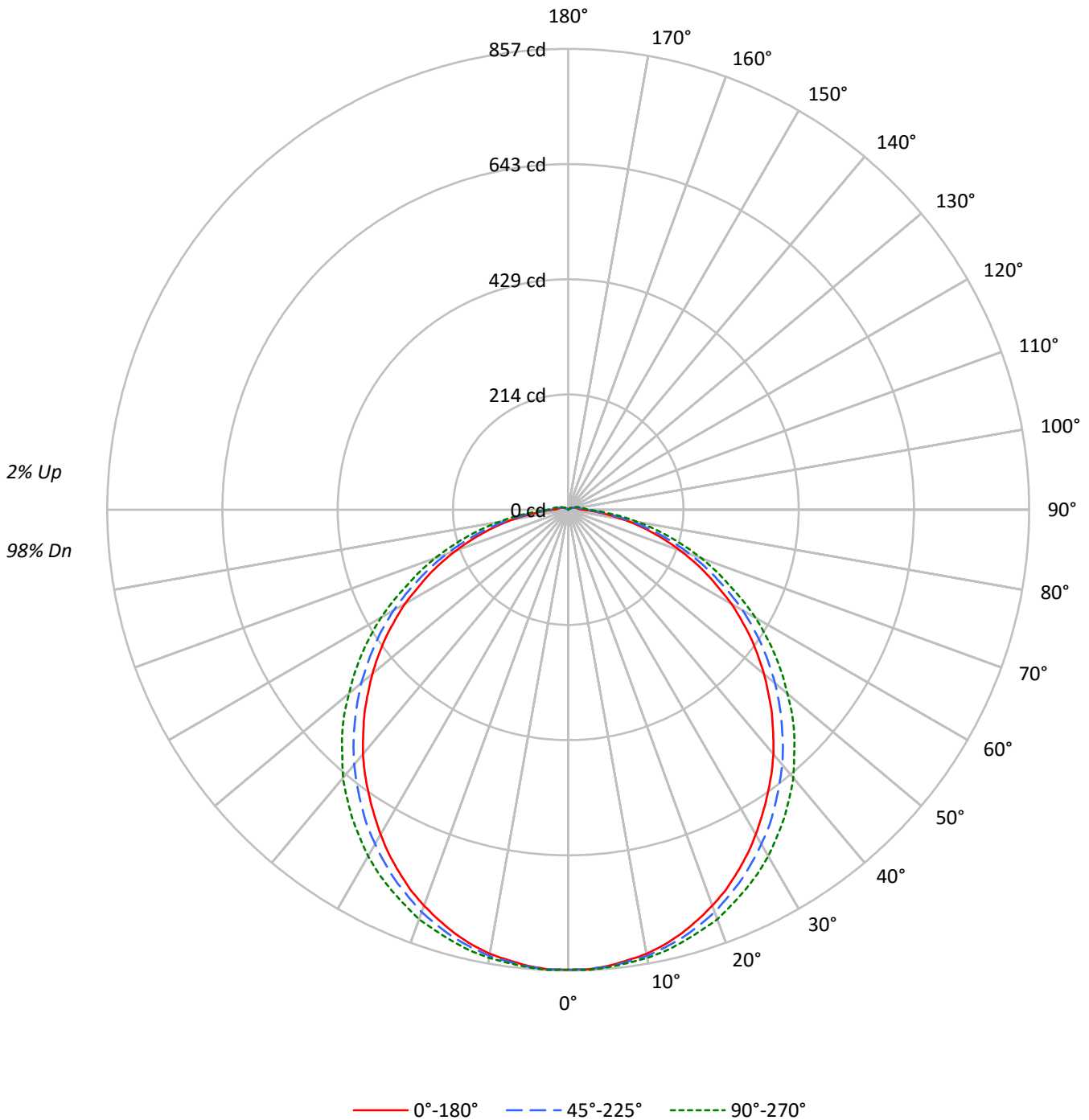
Lumens per Lamp: N/A
Luminaire Lumens: 2533.5 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 20.6
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	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°	2302	2302	2302
5°	2292	2292	2299
10°	2275	2279	2296
15°	2247	2258	2290
20°	2210	2232	2286
25°	2166	2197	2271
30°	2116	2158	2257
35°	2062	2115	2234
40°	2014	2072	2210
45°	1957	2017	2173
50°	1895	1965	2121
55°	1831	1901	2076
60°	1760	1832	2018
65°	1666	1728	1922
70°	1560	1627	1859
75°	1433	1489	1756
80°	1289	1328	1642
85°	1155	1185	1558



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.0	3.2
10°-20°	232.2	9.2
20°-30°	350.6	13.8
30°-40°	420.1	16.6
40°-50°	434.3	17.1
50°-60°	393.3	15.5
60°-70°	304.4	12.0
70°-80°	187.0	7.4
80°-90°	74.3	2.9
90°-100°	27.1	1.1
100°-110°	16.7	0.7
110°-120°	8.6	0.3
120°-130°	3.7	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°	663.9	26.2
0°-40°	1084.0	42.8
0°-60°	1911.7	75.5
0°-90°	2477.3	97.8
90°-120°	52.3	2.1
90°-150°	56.2	2.2
90°-180°	56.0	2.2
0°-180°	2533.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	855	855	855	855	855	
5°	852	852	853	853	854	81
15°	816	817	823	828	831	230
25°	744	749	760	773	780	343
35°	646	654	670	688	700	405
45°	536	542	561	584	595	413
55°	414	423	439	458	469	370
65°	285	292	306	321	329	282
75°	159	167	175	186	195	170
85°	55	59	64	71	74	55
90°	26	30	32	36	38	15
95°	19	22	24	27	30	15
105°	14	14	15	17	18	15
115°	9	8	8	9	10	9
125°	5	4	3	4	5	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°	855.4	855.4	855.4	855.4	855.4
2.5°	855.4	854.1	855.4	855.4	856.7
5°	851.6	851.6	852.9	852.9	854.1
7.5°	845.2	845.2	847.7	849.0	850.3
10°	838.7	838.7	842.6	843.9	846.4
12.5°	828.5	829.7	833.6	837.4	840.0
15°	815.6	816.9	823.3	828.5	831.0
17.5°	800.2	802.8	810.5	818.2	820.7
20°	783.5	787.4	796.3	805.3	810.5
22.5°	765.5	768.1	778.4	789.9	795.1
25°	743.7	748.8	760.4	773.2	779.6
27.5°	721.8	727.0	739.8	755.2	762.9
30°	697.4	702.6	718.0	734.7	743.7
32.5°	671.8	678.2	696.2	712.9	721.8
35°	646.1	653.8	670.5	688.5	700.0
37.5°	620.4	626.8	644.8	664.0	675.6
40°	593.4	599.8	619.1	638.4	651.2
42.5°	563.9	571.6	590.8	611.4	621.7
45°	535.6	542.0	561.3	584.4	594.7
47.5°	504.8	513.8	531.8	553.6	565.1
50°	475.2	482.9	502.2	522.8	531.8
52.5°	444.4	452.1	470.1	490.6	500.9
55°	413.6	422.6	439.3	458.5	468.8
57.5°	381.5	390.5	407.2	423.9	435.4
60°	350.6	359.6	375.1	391.7	402.0
62.5°	316.0	323.7	340.4	358.4	366.1
65°	285.1	291.6	305.7	321.1	328.8
67.5°	253.0	260.7	273.6	287.7	296.7
70°	220.9	229.9	240.2	253.0	263.3
72.5°	190.1	197.8	206.8	219.6	228.6
75°	159.3	167.0	174.7	186.2	195.2
77.5°	132.3	136.1	143.9	154.1	163.1
80°	102.8	107.9	114.3	124.6	131.0
82.5°	77.1	82.2	87.3	95.0	101.5
85°	55.2	59.1	64.2	70.6	74.5
87.5°	37.2	41.1	45.0	50.1	53.9
90°	25.7	29.5	32.1	36.0	38.5
92.5°	21.8	24.4	27.0	29.5	32.1
95°	19.3	21.8	24.4	27.0	29.5
97.5°	18.0	19.3	21.8	24.4	25.7
100°	16.7	18.0	19.3	21.8	23.1
102.5°	15.4	15.4	18.0	19.3	20.6
105°	14.1	14.1	15.4	16.7	18.0
107.5°	12.8	12.8	14.1	14.1	16.7
110°	11.6	10.3	11.6	11.6	14.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	10.3	9.0	10.3	10.3	11.6
115°	9.0	7.7	7.7	9.0	10.3
117.5°	7.7	6.4	6.4	6.4	9.0
120°	7.7	6.4	5.1	5.1	7.7
122.5°	6.4	5.1	3.9	5.1	6.4
125°	5.1	3.9	2.6	3.9	5.1
127.5°	3.9	3.9	1.3	2.6	3.9
130°	3.9	2.6	1.3	2.6	2.6
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)