

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: P384675

Luminaire Tested: **24ID-30-L835-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384675
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: 24ID-30-L835-CFD3
Description: 2X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

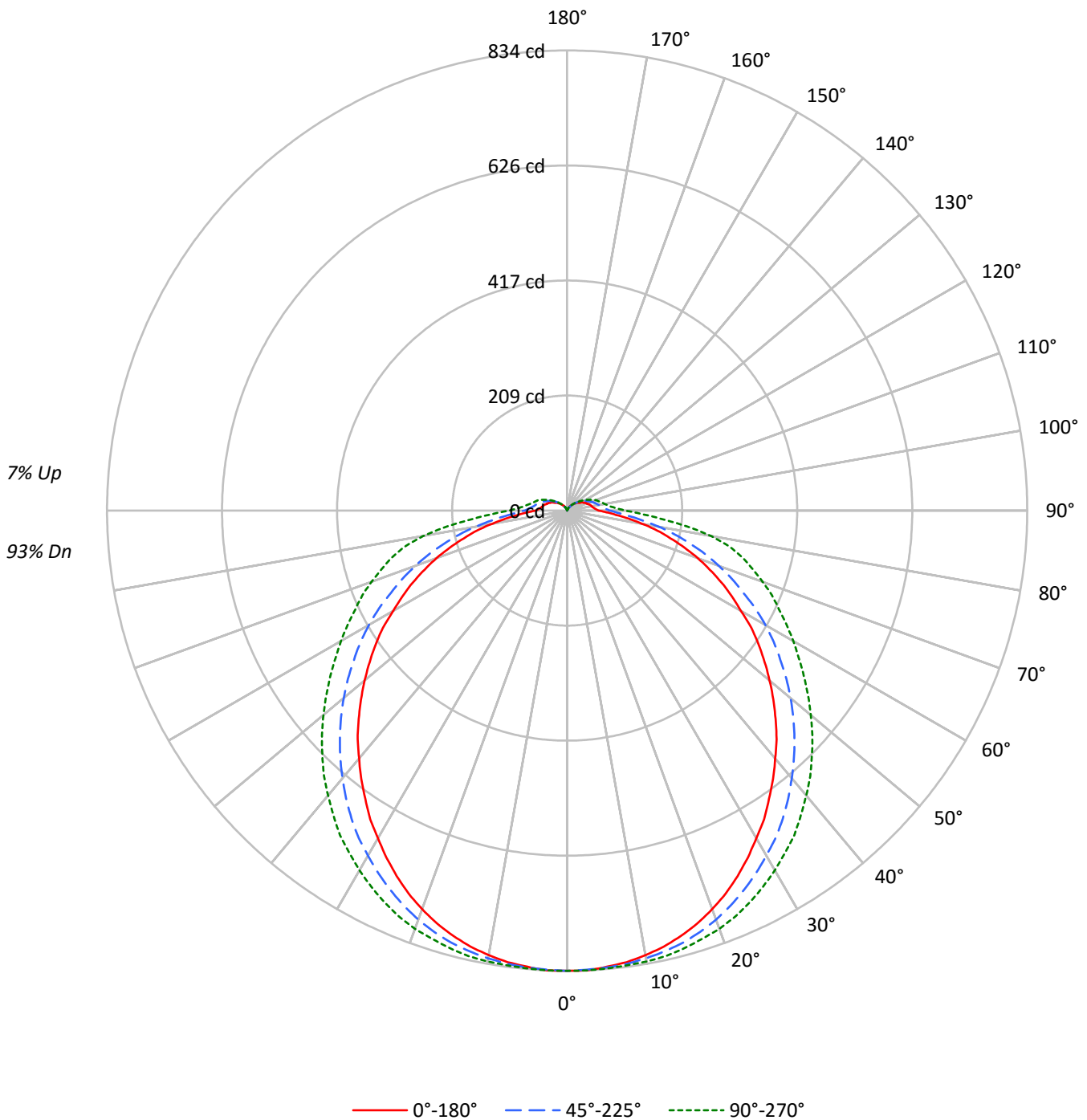
Lumens per Lamp: N/A
Luminaire Lumens: 2919.3 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.25')
CIE Type: Direct

Input Watts (W): 25.8
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



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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°	1122	1122	1122
5°	1115	1110	1113
10°	1106	1100	1109
15°	1093	1091	1107
20°	1076	1078	1105
25°	1054	1060	1099
30°	1028	1042	1091
35°	1004	1024	1084
40°	979	1001	1072
45°	957	978	1061
50°	933	955	1050
55°	912	930	1043
60°	884	908	1047
65°	867	873	1064
70°	846	844	1104
75°	816	800	1166
80°	791	747	1202
85°	800	688	1082



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.1	2.7
10°-20°	228.6	7.8
20°-30°	349.2	12.0
30°-40°	425.1	14.6
40°-50°	449.3	15.4
50°-60°	424.1	14.5
60°-70°	356.8	12.2
70°-80°	257.3	8.8
80°-90°	135.7	4.6
90°-100°	72.6	2.5
100°-110°	55.1	1.9
110°-120°	40.0	1.4
120°-130°	25.1	0.9
130°-140°	13.6	0.5
140°-150°	5.9	0.2
150°-160°	1.6	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	656.9	22.5
0°-40°	1082.0	37.1
0°-60°	1955.5	67.0
0°-90°	2705.3	92.7
90°-120°	167.8	5.7
90°-150°	212.4	7.3
90°-180°	214.0	7.3
0°-180°	2919.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	834	834	834	834	834	
5°	830	830	831	831	833	79
15°	798	801	811	817	821	225
25°	731	740	758	776	783	337
35°	638	652	681	708	718	399
45°	534	550	582	614	628	412
55°	424	443	472	507	524	379
65°	309	326	352	396	424	305
75°	194	210	230	275	329	206
85°	89	100	112	140	170	83
90°	57	67	77	92	105	33
95°	50	57	66	74	80	39
105°	42	47	52	58	61	44
115°	34	36	41	44	47	34
125°	25	25	29	29	31	22
135°	18	16	18	18	19	13
145°	10	9	9	9	10	6
155°	4	4	2	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°	834.2	834.2	834.2	834.2	834.2
2.5°	834.2	832.8	832.8	832.8	834.2
5°	829.9	829.9	831.3	831.3	832.8
7.5°	825.5	825.5	828.4	829.9	831.3
10°	818.2	819.7	824.0	827.0	829.9
12.5°	809.5	810.9	818.2	824.0	827.0
15°	797.8	800.7	810.9	816.8	821.1
17.5°	784.7	789.1	800.7	809.5	813.8
20°	768.7	774.5	789.1	800.7	806.6
22.5°	751.2	757.1	774.5	789.1	796.4
25°	730.9	739.6	758.5	776.0	783.3
27.5°	709.0	719.2	741.1	761.4	768.7
30°	685.7	697.4	722.1	744.0	752.7
32.5°	663.9	675.5	703.2	726.5	735.2
35°	637.7	652.2	681.4	707.6	717.8
37.5°	612.9	627.5	658.1	685.7	695.9
40°	586.7	601.3	633.3	663.9	674.1
42.5°	562.0	576.5	608.6	640.6	652.2
45°	534.3	550.3	582.4	614.4	627.5
47.5°	506.7	522.7	556.2	589.6	602.7
50°	479.0	496.5	528.5	562.0	576.5
52.5°	451.3	468.8	500.8	535.8	550.3
55°	423.7	442.6	471.7	506.7	524.1
57.5°	396.0	414.9	444.1	480.4	497.9
60°	364.0	385.8	414.9	452.8	473.2
62.5°	336.3	355.2	384.4	423.7	448.4
65°	308.7	326.1	352.3	396.0	423.7
67.5°	279.5	298.5	323.2	364.0	401.8
70°	251.9	267.9	292.6	334.9	377.1
72.5°	222.8	238.8	262.1	305.7	352.3
75°	193.6	209.7	230.0	275.2	329.0
77.5°	167.4	180.5	199.5	243.1	301.4
80°	138.3	151.4	168.9	208.2	265.0
82.5°	112.1	123.8	138.3	173.3	218.4
85°	88.8	100.5	112.1	139.8	170.3
87.5°	71.3	80.1	91.7	112.1	132.5
90°	56.8	67.0	77.2	91.7	104.8
92.5°	52.4	61.1	69.9	81.5	90.3
95°	49.5	56.8	65.5	74.3	80.1
97.5°	46.6	53.9	61.1	69.9	74.3
100°	45.1	51.0	58.2	65.5	68.4
102.5°	43.7	48.0	55.3	61.1	65.5
105°	42.2	46.6	52.4	58.2	61.1
107.5°	39.3	43.7	49.5	55.3	58.2
110°	37.9	40.8	46.6	51.0	55.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	36.4	39.3	43.7	48.0	51.0
115°	33.5	36.4	40.8	43.7	46.6
117.5°	32.0	33.5	37.9	39.3	42.2
120°	29.1	30.6	34.9	36.4	37.9
122.5°	26.2	27.7	32.0	32.0	34.9
125°	24.8	24.8	29.1	29.1	30.6
127.5°	23.3	23.3	26.2	26.2	27.7
130°	20.4	20.4	23.3	23.3	23.3
132.5°	18.9	17.5	20.4	20.4	21.8
135°	17.5	16.0	17.5	17.5	18.9
137.5°	14.6	14.6	16.0	14.6	16.0
140°	13.1	11.6	13.1	13.1	14.6
142.5°	11.6	10.2	11.6	10.2	11.6
145°	10.2	8.7	8.7	8.7	10.2
147.5°	8.7	7.3	7.3	7.3	8.7
150°	7.3	5.8	5.8	5.8	7.3
152.5°	5.8	4.4	2.9	4.4	5.8
155°	4.4	4.4	1.5	2.9	4.4
157.5°	2.9	2.9	0.0	1.5	2.9
160°	1.5	1.5	0.0	1.5	1.5
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)