

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: P384631

Luminaire Tested: **22ID-40-L835-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384631
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-40-L835-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

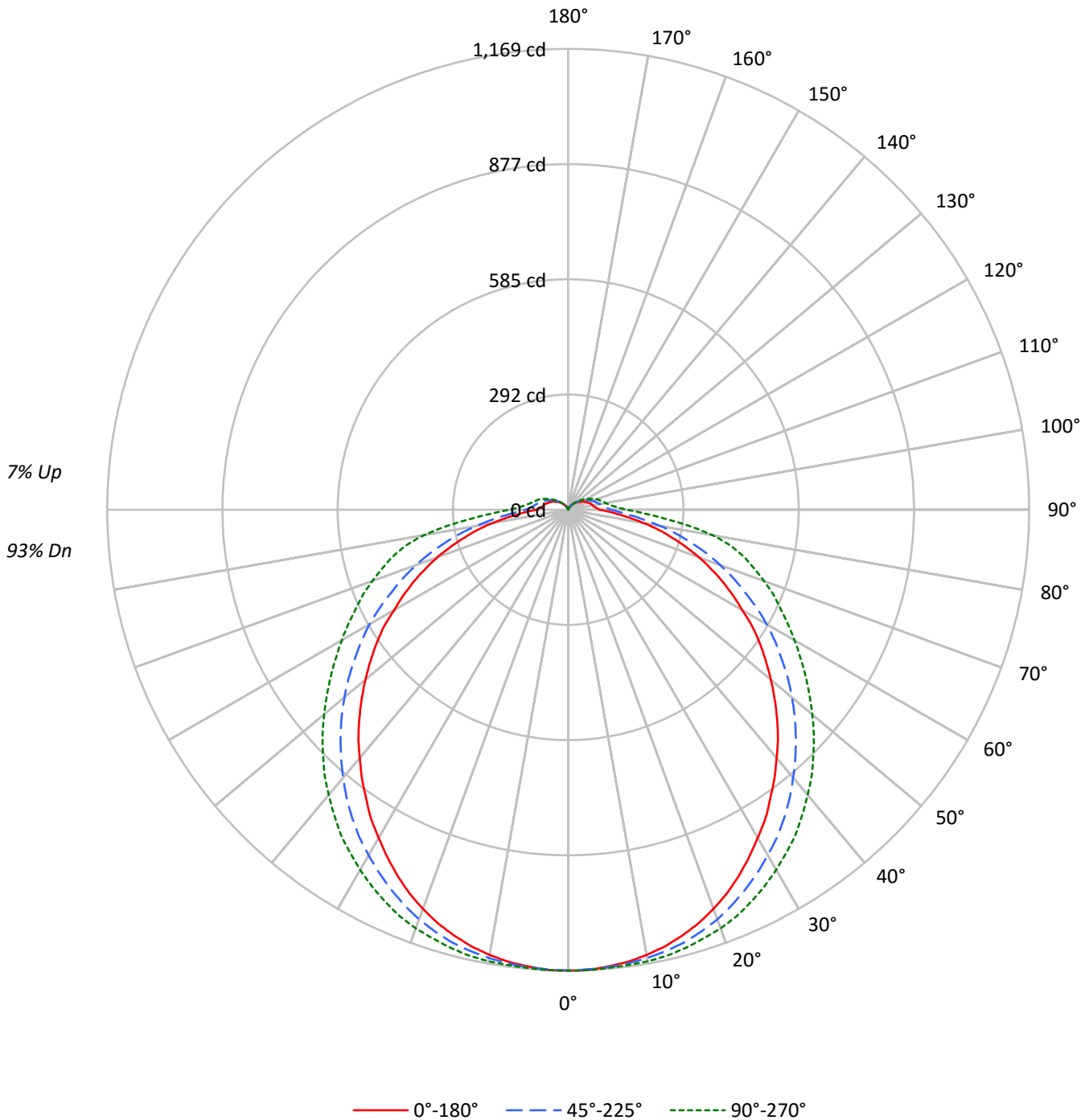
Lumens per Lamp: N/A
Luminaire Lumens: 4091.0 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 32.5
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°	3146	3146	3146
5°	3107	3099	3118
10°	3066	3060	3109
15°	3014	3023	3102
20°	2951	2975	3096
25°	2874	2916	3080
30°	2785	2853	3057
35°	2699	2791	3038
40°	2614	2715	3003
45°	2533	2639	2974
50°	2446	2561	2944
55°	2363	2476	2924
60°	2257	2396	2934
65°	2172	2279	2981
70°	2067	2172	3095
75°	1924	2020	3269
80°	1757	1832	3367
85°	1583	1606	3034



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	2.7
10°-20°	320.3	7.8
20°-30°	489.4	12.0
30°-40°	595.7	14.6
40°-50°	629.7	15.4
50°-60°	594.4	14.5
60°-70°	500.1	12.2
70°-80°	360.5	8.8
80°-90°	190.1	4.6
90°-100°	101.8	2.5
100°-110°	77.3	1.9
110°-120°	56.0	1.4
120°-130°	35.2	0.9
130°-140°	19.0	0.5
140°-150°	8.3	0.2
150°-160°	2.2	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	920.6	22.5
0°-40°	1516.3	37.1
0°-60°	2740.3	67.0
0°-90°	3791.1	92.7
90°-120°	235.1	5.7
90°-150°	297.6	7.3
90°-180°	300.0	7.3
0°-180°	4091.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1169	1169	1169	1169	1169	
5°	1163	1163	1165	1165	1167	111
15°	1118	1122	1136	1145	1151	315
25°	1024	1036	1063	1088	1098	472
35°	894	914	955	992	1006	560
45°	749	771	816	861	879	578
55°	594	620	661	710	734	531
65°	432	457	494	555	594	428
75°	271	294	322	386	461	288
85°	124	141	157	196	239	117
90°	80	94	108	128	147	46
95°	69	80	92	104	112	55
105°	59	65	73	82	86	62
115°	47	51	57	61	65	47
125°	35	35	41	41	43	31
135°	24	22	24	24	26	18
145°	14	12	12	12	14	9
155°	6	6	2	4	6	3
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°	1169.1	1169.1	1169.1	1169.1	1169.1
2.5°	1169.1	1167.0	1167.0	1167.0	1169.1
5°	1162.9	1162.9	1165.0	1165.0	1167.0
7.5°	1156.8	1156.8	1160.9	1162.9	1165.0
10°	1146.6	1148.7	1154.8	1158.9	1162.9
12.5°	1134.4	1136.4	1146.6	1154.8	1158.9
15°	1118.1	1122.1	1136.4	1144.6	1150.7
17.5°	1099.7	1105.8	1122.1	1134.4	1140.5
20°	1077.3	1085.4	1105.8	1122.1	1130.3
22.5°	1052.8	1060.9	1085.4	1105.8	1116.0
25°	1024.2	1036.4	1063.0	1087.5	1097.7
27.5°	993.6	1007.9	1038.5	1067.1	1077.3
30°	961.0	977.3	1012.0	1042.6	1054.8
32.5°	930.4	946.7	985.4	1018.1	1030.3
35°	893.6	914.0	954.8	991.6	1005.8
37.5°	858.9	879.3	922.2	961.0	975.2
40°	822.2	842.6	887.5	930.4	944.6
42.5°	787.5	807.9	852.8	897.7	914.0
45°	748.8	771.2	816.1	861.0	879.3
47.5°	710.0	732.4	779.4	826.3	844.7
50°	671.2	695.7	740.6	787.5	807.9
52.5°	632.5	657.0	701.8	750.8	771.2
55°	593.7	620.2	661.0	710.0	734.5
57.5°	554.9	581.5	622.3	673.3	697.8
60°	510.1	540.7	581.5	634.5	663.1
62.5°	471.3	497.8	538.6	593.7	628.4
65°	432.5	457.0	493.7	554.9	593.7
67.5°	391.7	418.3	452.9	510.1	563.1
70°	353.0	375.4	410.1	469.3	528.4
72.5°	312.2	334.6	367.2	428.5	493.7
75°	271.4	293.8	322.4	385.6	461.1
77.5°	234.6	253.0	279.5	340.7	422.3
80°	193.8	212.2	236.7	291.8	371.3
82.5°	157.1	173.4	193.8	242.8	306.0
85°	124.5	140.8	157.1	195.9	238.7
87.5°	100.0	112.2	128.5	157.1	185.7
90°	79.6	93.9	108.1	128.5	146.9
92.5°	73.4	85.7	97.9	114.3	126.5
95°	69.4	79.6	91.8	104.1	112.2
97.5°	65.3	75.5	85.7	97.9	104.1
100°	63.2	71.4	81.6	91.8	95.9
102.5°	61.2	67.3	77.5	85.7	91.8
105°	59.2	65.3	73.4	81.6	85.7
107.5°	55.1	61.2	69.4	77.5	81.6
110°	53.0	57.1	65.3	71.4	77.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	51.0	55.1	61.2	67.3	71.4
115°	46.9	51.0	57.1	61.2	65.3
117.5°	44.9	46.9	53.0	55.1	59.2
120°	40.8	42.8	49.0	51.0	53.0
122.5°	36.7	38.8	44.9	44.9	49.0
125°	34.7	34.7	40.8	40.8	42.8
127.5°	32.6	32.6	36.7	36.7	38.8
130°	28.6	28.6	32.6	32.6	32.6
132.5°	26.5	24.5	28.6	28.6	30.6
135°	24.5	22.4	24.5	24.5	26.5
137.5°	20.4	20.4	22.4	20.4	22.4
140°	18.4	16.3	18.4	18.4	20.4
142.5°	16.3	14.3	16.3	14.3	16.3
145°	14.3	12.2	12.2	12.2	14.3
147.5°	12.2	10.2	10.2	10.2	12.2
150°	10.2	8.2	8.2	8.2	10.2
152.5°	8.2	6.1	4.1	6.1	8.2
155°	6.1	6.1	2.0	4.1	6.1
157.5°	4.1	4.1	0.0	2.0	4.1
160°	2.0	2.0	0.0	2.0	2.0
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)