

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: P384632

Luminaire Tested: **22ID-40-L840-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384632
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-L840-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

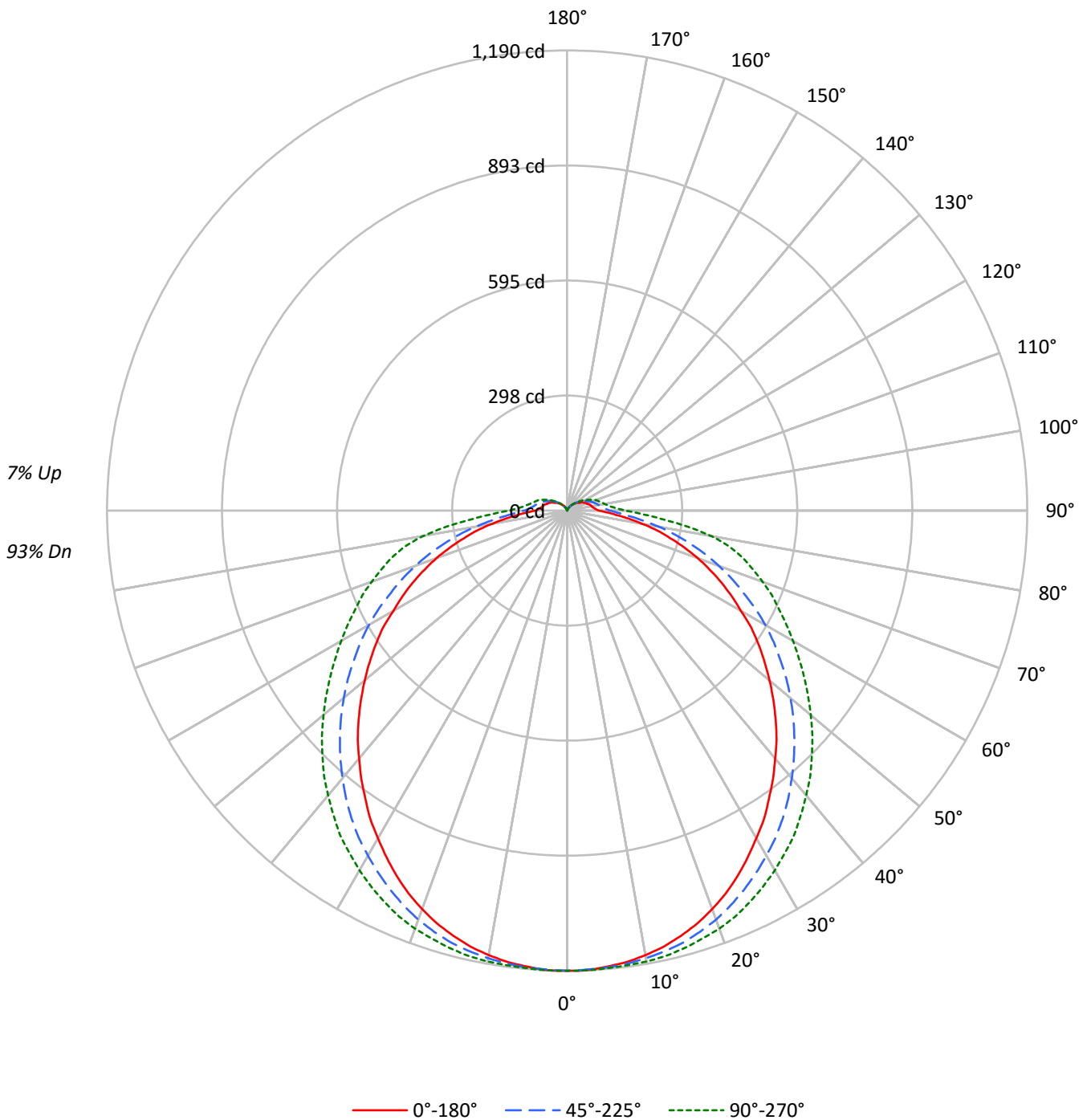
Lumens per Lamp: N/A
Luminaire Lumens: 4164.7 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 32.7
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	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°	3203	3203	3203
5°	3163	3155	3174
10°	3121	3115	3165
15°	3068	3077	3158
20°	3004	3029	3152
25°	2925	2968	3135
30°	2835	2905	3112
35°	2748	2841	3093
40°	2661	2764	3058
45°	2579	2687	3028
50°	2490	2607	2997
55°	2406	2521	2977
60°	2297	2439	2986
65°	2211	2321	3035
70°	2104	2211	3150
75°	1958	2056	3328
80°	1789	1864	3428
85°	1611	1634	3089



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.8	2.7
10°-20°	326.1	7.8
20°-30°	498.2	12.0
30°-40°	606.5	14.6
40°-50°	641.0	15.4
50°-60°	605.1	14.5
60°-70°	509.1	12.2
70°-80°	367.0	8.8
80°-90°	193.6	4.6
90°-100°	103.6	2.5
100°-110°	78.7	1.9
110°-120°	57.1	1.4
120°-130°	35.8	0.9
130°-140°	19.4	0.5
140°-150°	8.5	0.2
150°-160°	2.3	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	937.2	22.5
0°-40°	1543.6	37.1
0°-60°	2789.7	67.0
0°-90°	3859.3	92.7
90°-120°	239.4	5.7
90°-150°	303.0	7.3
90°-180°	305.0	7.3
0°-180°	4164.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1190	1190	1190	1190	1190	
5°	1184	1184	1186	1186	1188	113
15°	1138	1142	1157	1165	1171	321
25°	1043	1055	1082	1107	1117	480
35°	910	930	972	1009	1024	570
45°	762	785	831	876	895	588
55°	604	631	673	723	748	540
65°	440	465	503	565	604	435
75°	276	299	328	393	469	293
85°	127	143	160	199	243	119
90°	81	96	110	131	150	46
95°	71	81	94	106	114	56
105°	60	66	75	83	87	63
115°	48	52	58	62	66	48
125°	35	35	42	42	44	32
135°	25	23	25	25	27	19
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°	1190.1	1190.1	1190.1	1190.1	1190.1
2.5°	1190.1	1188.0	1188.0	1188.0	1190.1
5°	1183.9	1183.9	1186.0	1186.0	1188.0
7.5°	1177.7	1177.7	1181.8	1183.9	1186.0
10°	1167.3	1169.4	1175.6	1179.7	1183.9
12.5°	1154.8	1156.9	1167.3	1175.6	1179.7
15°	1138.2	1142.4	1156.9	1165.2	1171.4
17.5°	1119.5	1125.7	1142.4	1154.8	1161.0
20°	1096.7	1105.0	1125.7	1142.4	1150.7
22.5°	1071.7	1080.0	1105.0	1125.7	1136.1
25°	1042.7	1055.1	1082.1	1107.0	1117.4
27.5°	1011.5	1026.0	1057.2	1086.3	1096.7
30°	978.3	994.9	1030.2	1061.3	1073.8
32.5°	947.1	963.7	1003.2	1036.4	1048.9
35°	909.7	930.5	972.0	1009.4	1024.0
37.5°	874.4	895.2	938.8	978.3	992.8
40°	837.0	857.8	903.5	947.1	961.7
42.5°	801.7	822.5	868.2	913.9	930.5
45°	762.3	785.1	830.8	876.5	895.2
47.5°	722.8	745.6	793.4	841.2	859.9
50°	683.3	708.3	754.0	801.7	822.5
52.5°	643.9	668.8	714.5	764.3	785.1
55°	604.4	631.4	672.9	722.8	747.7
57.5°	564.9	591.9	633.5	685.4	710.3
60°	519.3	550.4	591.9	645.9	675.0
62.5°	479.8	506.8	548.3	604.4	639.7
65°	440.3	465.2	502.6	564.9	604.4
67.5°	398.8	425.8	461.1	519.3	573.3
70°	359.3	382.2	417.5	477.7	537.9
72.5°	317.8	340.6	373.9	436.2	502.6
75°	276.2	299.1	328.2	392.6	469.4
77.5°	238.9	257.5	284.5	346.9	429.9
80°	197.3	216.0	240.9	297.0	378.0
82.5°	159.9	176.5	197.3	247.2	311.6
85°	126.7	143.3	159.9	199.4	243.0
87.5°	101.8	114.2	130.9	159.9	189.0
90°	81.0	95.5	110.1	130.9	149.5
92.5°	74.8	87.2	99.7	116.3	128.8
95°	70.6	81.0	93.5	105.9	114.2
97.5°	66.5	76.8	87.2	99.7	105.9
100°	64.4	72.7	83.1	93.5	97.6
102.5°	62.3	68.5	78.9	87.2	93.5
105°	60.2	66.5	74.8	83.1	87.2
107.5°	56.1	62.3	70.6	78.9	83.1
110°	54.0	58.2	66.5	72.7	78.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	51.9	56.1	62.3	68.5	72.7
115°	47.8	51.9	58.2	62.3	66.5
117.5°	45.7	47.8	54.0	56.1	60.2
120°	41.5	43.6	49.8	51.9	54.0
122.5°	37.4	39.5	45.7	45.7	49.8
125°	35.3	35.3	41.5	41.5	43.6
127.5°	33.2	33.2	37.4	37.4	39.5
130°	29.1	29.1	33.2	33.2	33.2
132.5°	27.0	24.9	29.1	29.1	31.2
135°	24.9	22.8	24.9	24.9	27.0
137.5°	20.8	20.8	22.8	20.8	22.8
140°	18.7	16.6	18.7	18.7	20.8
142.5°	16.6	14.5	16.6	14.5	16.6
145°	14.5	12.5	12.5	12.5	14.5
147.5°	12.5	10.4	10.4	10.4	12.5
150°	10.4	8.3	8.3	8.3	10.4
152.5°	8.3	6.2	4.2	6.2	8.3
155°	6.2	6.2	2.1	4.2	6.2
157.5°	4.2	4.2	0.0	2.1	4.2
160°	2.1	2.1	0.0	2.1	2.1
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)