

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: P384630

Luminaire Tested: **22ID-40-L830-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384630
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-L830-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

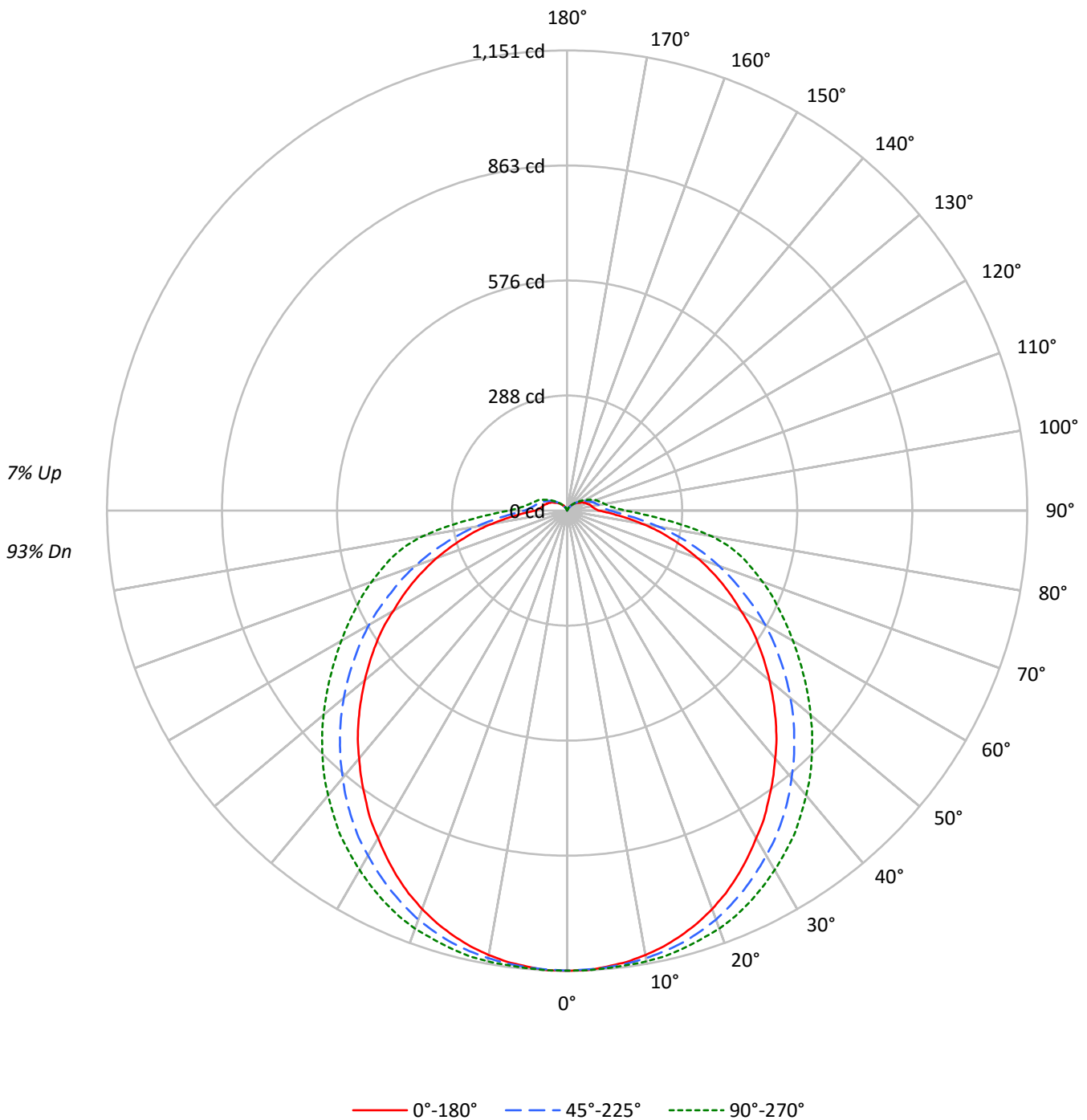
Lumens per Lamp: N/A
Luminaire Lumens: 4027.1 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

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°	3097	3097	3097
5°	3059	3051	3070
10°	3018	3012	3061
15°	2967	2976	3053
20°	2905	2929	3047
25°	2829	2870	3031
30°	2741	2809	3009
35°	2657	2748	2991
40°	2573	2672	2956
45°	2493	2598	2928
50°	2408	2521	2898
55°	2326	2437	2878
60°	2221	2358	2888
65°	2138	2244	2934
70°	2035	2138	3047
75°	1894	1988	3218
80°	1730	1803	3314
85°	1557	1580	2987



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.1	2.7
10°-20°	315.3	7.8
20°-30°	481.8	12.0
30°-40°	586.4	14.6
40°-50°	619.8	15.4
50°-60°	585.1	14.5
60°-70°	492.2	12.2
70°-80°	354.9	8.8
80°-90°	187.2	4.6
90°-100°	100.2	2.5
100°-110°	76.1	1.9
110°-120°	55.2	1.4
120°-130°	34.7	0.9
130°-140°	18.7	0.5
140°-150°	8.2	0.2
150°-160°	2.2	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	906.2	22.5
0°-40°	1492.6	37.1
0°-60°	2697.6	67.0
0°-90°	3731.8	92.7
90°-120°	231.5	5.7
90°-150°	293.0	7.3
90°-180°	295.0	7.3
0°-180°	4027.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1151	1151	1151	1151	1151	
5°	1145	1145	1147	1147	1149	109
15°	1101	1105	1119	1127	1133	310
25°	1008	1020	1046	1070	1080	464
35°	880	900	940	976	990	551
45°	737	759	803	848	866	569
55°	584	610	651	699	723	522
65°	426	450	486	546	584	421
75°	267	289	317	380	454	284
85°	122	139	155	193	235	115
90°	78	92	106	126	145	45
95°	68	78	90	102	110	54
105°	58	64	72	80	84	61
115°	46	50	56	60	64	46
125°	34	34	40	40	42	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°	1150.8	1150.8	1150.8	1150.8	1150.8
2.5°	1150.8	1148.8	1148.8	1148.8	1150.8
5°	1144.8	1144.8	1146.8	1146.8	1148.8
7.5°	1138.8	1138.8	1142.8	1144.8	1146.8
10°	1128.7	1130.7	1136.7	1140.8	1144.8
12.5°	1116.7	1118.7	1128.7	1136.7	1140.8
15°	1100.6	1104.6	1118.7	1126.7	1132.7
17.5°	1082.5	1088.5	1104.6	1116.7	1122.7
20°	1060.4	1068.5	1088.5	1104.6	1112.6
22.5°	1036.3	1044.4	1068.5	1088.5	1098.6
25°	1008.2	1020.3	1046.4	1070.5	1080.5
27.5°	978.1	992.1	1022.3	1050.4	1060.4
30°	945.9	962.0	996.2	1026.3	1038.3
32.5°	915.8	931.9	970.0	1002.2	1014.2
35°	879.7	899.8	939.9	976.1	990.1
37.5°	845.5	865.6	907.8	945.9	960.0
40°	809.4	829.5	873.6	915.8	929.9
42.5°	775.2	795.3	839.5	883.7	899.8
45°	737.1	759.2	803.4	847.5	865.6
47.5°	698.9	721.0	767.2	813.4	831.5
50°	660.8	684.9	729.0	775.2	795.3
52.5°	622.6	646.7	690.9	739.1	759.2
55°	584.4	610.5	650.7	698.9	723.0
57.5°	546.3	572.4	612.6	662.8	686.9
60°	502.1	532.2	572.4	624.6	652.7
62.5°	463.9	490.0	530.2	584.4	618.6
65°	425.8	449.9	486.0	546.3	584.4
67.5°	385.6	411.7	445.9	502.1	554.3
70°	347.4	369.5	403.7	461.9	520.2
72.5°	307.3	329.4	361.5	421.8	486.0
75°	267.1	289.2	317.3	379.6	453.9
77.5°	231.0	249.0	275.1	335.4	415.7
80°	190.8	208.9	233.0	287.2	365.5
82.5°	154.6	170.7	190.8	239.0	301.3
85°	122.5	138.6	154.6	192.8	235.0
87.5°	98.4	110.5	126.5	154.6	182.8
90°	78.3	92.4	106.4	126.5	144.6
92.5°	72.3	84.4	96.4	112.5	124.5
95°	68.3	78.3	90.4	102.4	110.5
97.5°	64.3	74.3	84.4	96.4	102.4
100°	62.3	70.3	80.3	90.4	94.4
102.5°	60.3	66.3	76.3	84.4	90.4
105°	58.2	64.3	72.3	80.3	84.4
107.5°	54.2	60.3	68.3	76.3	80.3
110°	52.2	56.2	64.3	70.3	76.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	50.2	54.2	60.3	66.3	70.3
115°	46.2	50.2	56.2	60.3	64.3
117.5°	44.2	46.2	52.2	54.2	58.2
120°	40.2	42.2	48.2	50.2	52.2
122.5°	36.2	38.2	44.2	44.2	48.2
125°	34.1	34.1	40.2	40.2	42.2
127.5°	32.1	32.1	36.2	36.2	38.2
130°	28.1	28.1	32.1	32.1	32.1
132.5°	26.1	24.1	28.1	28.1	30.1
135°	24.1	22.1	24.1	24.1	26.1
137.5°	20.1	20.1	22.1	20.1	22.1
140°	18.1	16.1	18.1	18.1	20.1
142.5°	16.1	14.1	16.1	14.1	16.1
145°	14.1	12.1	12.1	12.1	14.1
147.5°	12.1	10.0	10.0	10.0	12.1
150°	10.0	8.0	8.0	8.0	10.0
152.5°	8.0	6.0	4.0	6.0	8.0
155°	6.0	6.0	2.0	4.0	6.0
157.5°	4.0	4.0	0.0	2.0	4.0
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)