

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: P383950

Luminaire Tested: **22ID-30-L830-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-30-L830-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

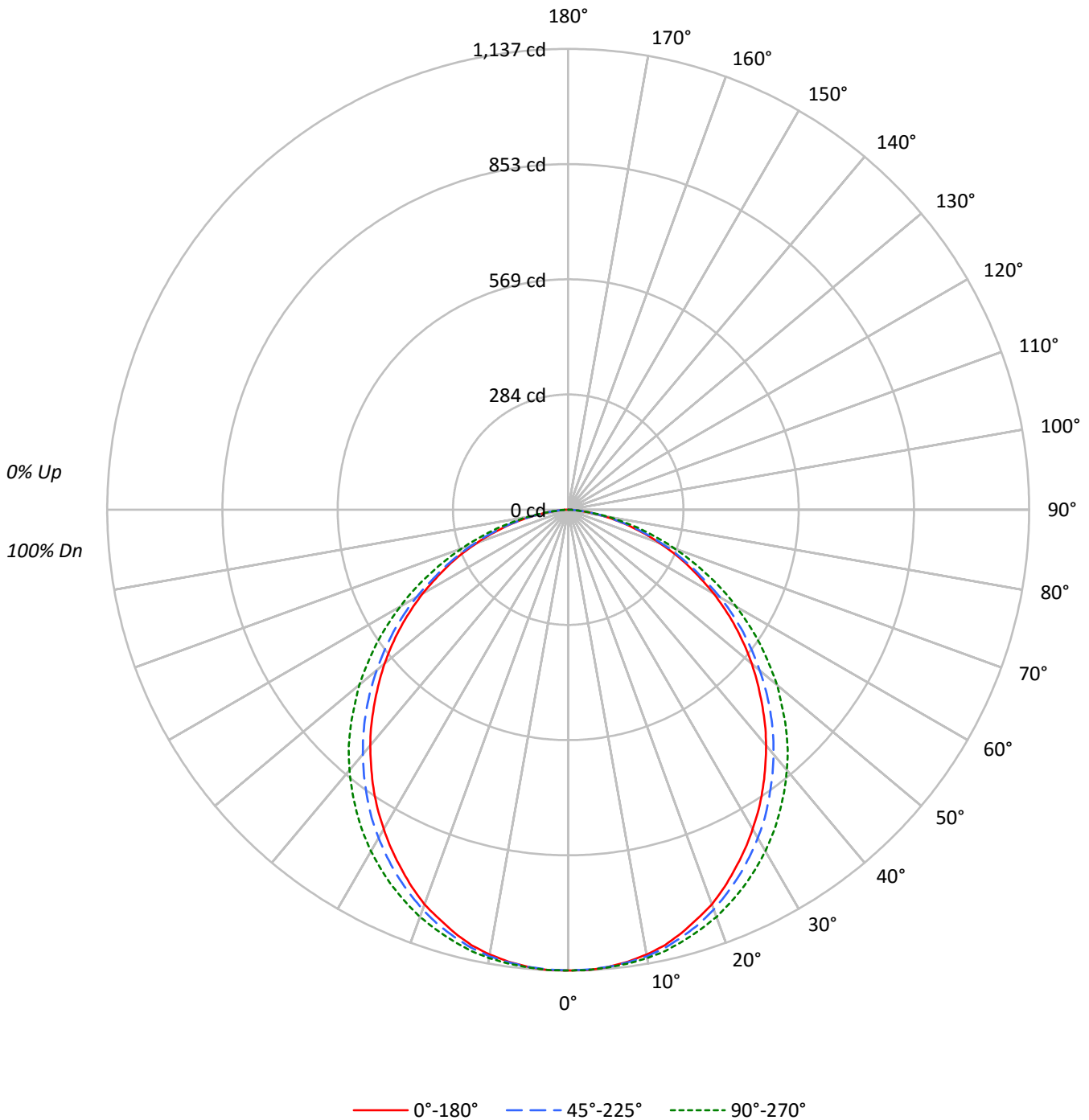
Lumens per Lamp: N/A
Luminaire Lumens: 3001.0 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 24.2
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	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3059	3059	3059
5°	3059	3059	3063
10°	3045	3057	3069
15°	3012	3037	3066
20°	2967	3006	3062
25°	2898	2960	3045
30°	2827	2906	3023
35°	2752	2840	2989
40°	2668	2768	2948
45°	2570	2684	2890
50°	2474	2581	2814
55°	2363	2469	2709
60°	2234	2331	2574
65°	2078	2145	2403
70°	1881	1952	2201
75°	1642	1704	1923
80°	1328	1351	1514
85°	790	883	744



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.6	3.6
10°-20°	307.6	10.2
20°-30°	460.1	15.3
30°-40°	543.6	18.1
40°-50°	548.5	18.3
50°-60°	476.4	15.9
60°-70°	341.6	11.4
70°-80°	177.9	5.9
80°-90°	37.6	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	875.3	29.2
0°-40°	1419.0	47.3
0°-60°	2443.9	81.4
0°-90°	3001.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3001.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1137	1137	1137	1137	1137	
5°	1132	1131	1132	1132	1134	108
15°	1081	1083	1090	1098	1101	305
25°	976	982	997	1016	1026	450
35°	838	844	865	896	910	524
45°	675	683	705	741	759	521
55°	504	508	526	561	577	450
65°	326	325	337	362	377	323
75°	158	156	164	176	185	168
85°	26	29	29	26	24	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1136.8	1136.8	1136.8	1136.8	1136.8
2.5°	1136.8	1135.3	1135.3	1135.3	1136.8
5°	1132.3	1130.8	1132.3	1132.3	1133.8
7.5°	1124.8	1123.3	1126.3	1127.8	1129.3
10°	1114.3	1114.3	1118.8	1121.8	1123.3
12.5°	1100.7	1100.7	1106.7	1111.3	1114.3
15°	1081.2	1082.7	1090.2	1097.7	1100.7
17.5°	1058.6	1063.1	1072.2	1082.7	1085.7
20°	1036.1	1039.1	1049.6	1063.1	1069.2
22.5°	1007.5	1012.0	1024.0	1042.1	1048.1
25°	975.9	981.9	997.0	1016.5	1025.5
27.5°	944.3	948.9	966.9	989.5	1000.0
30°	909.8	915.8	935.3	960.9	972.9
32.5°	875.2	879.7	902.2	929.3	942.8
35°	837.6	843.6	864.6	896.2	909.8
37.5°	798.5	806.0	827.1	860.1	875.2
40°	759.4	763.9	788.0	821.0	839.1
42.5°	718.8	724.8	747.4	783.4	801.5
45°	675.2	682.7	705.2	741.3	759.4
47.5°	633.1	640.6	661.6	697.7	714.3
50°	591.0	595.5	616.5	652.6	672.2
52.5°	547.4	551.9	571.4	606.0	624.0
55°	503.7	508.3	526.3	560.9	577.4
57.5°	458.6	461.6	479.7	511.3	527.8
60°	415.0	416.5	433.1	461.6	478.2
62.5°	368.4	369.9	381.9	415.0	430.1
65°	326.3	324.8	336.8	362.4	377.4
67.5°	282.7	282.7	293.2	315.8	327.8
70°	239.1	239.1	248.1	267.7	279.7
72.5°	198.5	198.5	206.0	221.0	230.1
75°	157.9	156.4	163.9	175.9	185.0
77.5°	120.3	120.3	123.3	133.8	139.8
80°	85.7	85.7	87.2	93.2	97.7
82.5°	54.1	54.1	54.1	57.1	58.6
85°	25.6	28.6	28.6	25.6	24.1
87.5°	12.0	12.0	10.5	10.5	10.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)