

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: P384002

Luminaire Tested: **24ID-30-L830-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384002
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: 24ID-30-L830-CFR2
Description: 2X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

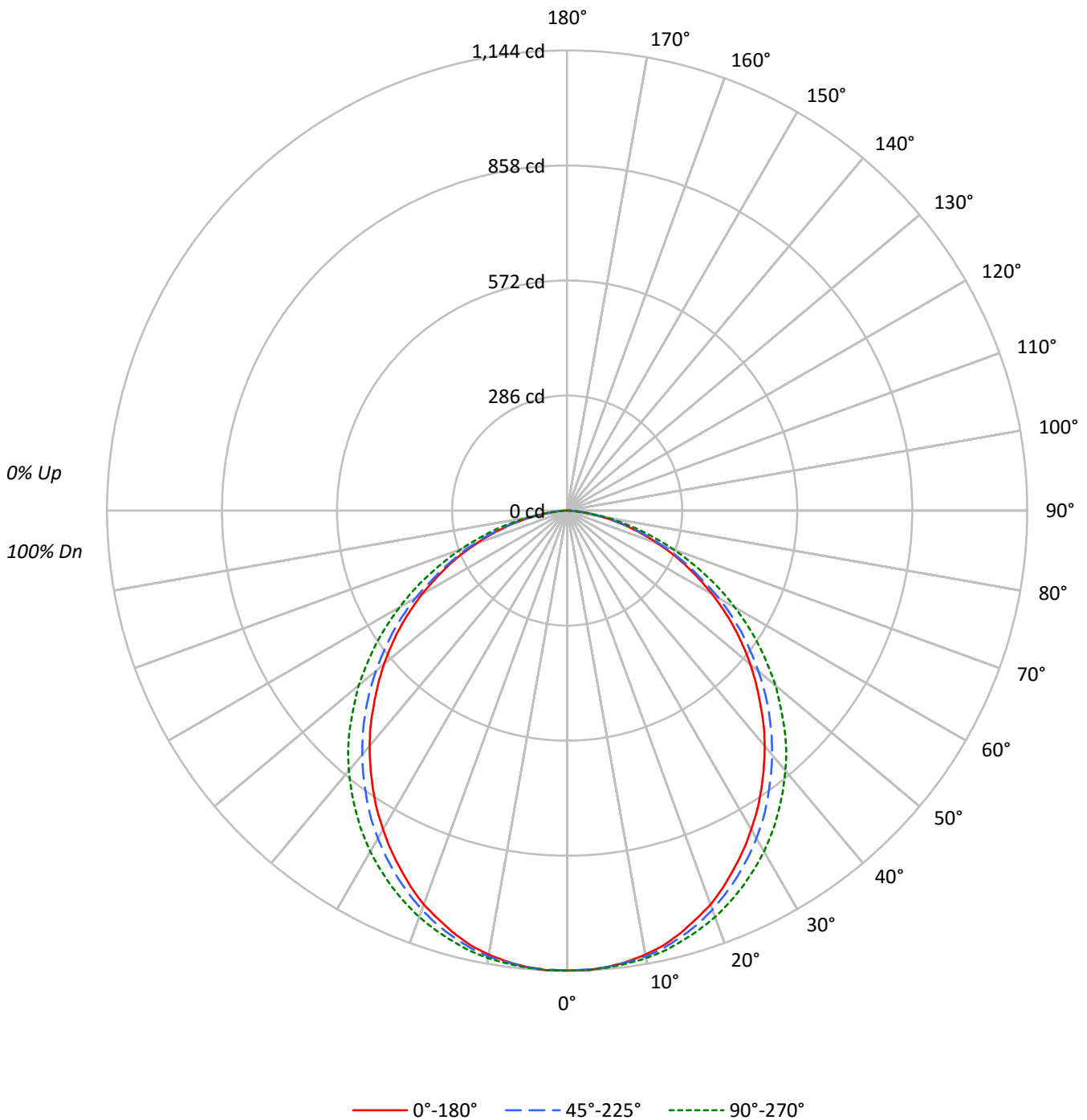
Lumens per Lamp: N/A
Luminaire Lumens: 3019.0 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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°	1539	1539	1539
5°	1539	1539	1541
10°	1531	1538	1544
15°	1515	1528	1542
20°	1492	1512	1540
25°	1458	1489	1532
30°	1422	1462	1521
35°	1384	1429	1503
40°	1342	1392	1483
45°	1292	1350	1454
50°	1244	1298	1415
55°	1189	1242	1363
60°	1123	1172	1295
65°	1045	1079	1209
70°	946	982	1107
75°	826	857	967
80°	668	680	762
85°	397	443	374



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.3	3.6
10°-20°	309.4	10.2
20°-30°	462.9	15.3
30°-40°	546.9	18.1
40°-50°	551.8	18.3
50°-60°	479.2	15.9
60°-70°	343.6	11.4
70°-80°	179.0	5.9
80°-90°	37.8	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°	880.6	29.2
0°-40°	1427.5	47.3
0°-60°	2458.5	81.4
0°-90°	3019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3019.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1144	1144	1144	1144	1144	
5°	1139	1138	1139	1139	1141	108
15°	1088	1089	1097	1104	1107	307
25°	982	988	1003	1023	1032	452
35°	843	849	870	902	915	527
45°	679	687	710	746	764	525
55°	507	511	530	564	581	453
65°	328	327	339	365	380	325
75°	159	157	165	177	186	169
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°	1143.6	1143.6	1143.6	1143.6	1143.6
2.5°	1143.6	1142.1	1142.1	1142.1	1143.6
5°	1139.1	1137.6	1139.1	1139.1	1140.6
7.5°	1131.5	1130.0	1133.0	1134.6	1136.1
10°	1120.9	1120.9	1125.5	1128.5	1130.0
12.5°	1107.3	1107.3	1113.4	1117.9	1120.9
15°	1087.7	1089.2	1096.7	1104.3	1107.3
17.5°	1065.0	1069.5	1078.6	1089.2	1092.2
20°	1042.3	1045.3	1055.9	1069.5	1075.6
22.5°	1013.5	1018.1	1030.2	1048.3	1054.4
25°	981.8	987.8	1003.0	1022.6	1031.7
27.5°	950.0	954.5	972.7	995.4	1006.0
30°	915.2	921.3	940.9	966.6	978.7
32.5°	880.4	885.0	907.6	934.9	948.5
35°	842.6	848.7	869.8	901.6	915.2
37.5°	803.3	810.8	832.0	865.3	880.4
40°	763.9	768.5	792.7	826.0	844.1
42.5°	723.1	729.1	751.8	788.1	806.3
45°	679.2	686.8	709.5	745.8	763.9
47.5°	636.9	644.4	665.6	701.9	718.6
50°	594.5	599.0	620.2	656.5	676.2
52.5°	550.6	555.2	574.8	609.6	627.8
55°	506.8	511.3	529.5	564.3	580.9
57.5°	461.4	464.4	482.6	514.3	531.0
60°	417.5	419.0	435.7	464.4	481.1
62.5°	370.6	372.1	384.2	417.5	432.6
65°	328.3	326.8	338.9	364.6	379.7
67.5°	284.4	284.4	295.0	317.7	329.8
70°	240.5	240.5	249.6	269.3	281.4
72.5°	199.7	199.7	207.2	222.4	231.5
75°	158.8	157.3	164.9	177.0	186.1
77.5°	121.0	121.0	124.0	134.6	140.7
80°	86.2	86.2	87.7	93.8	98.3
82.5°	54.5	54.5	54.5	57.5	59.0
85°	25.7	28.7	28.7	25.7	24.2
87.5°	12.1	12.1	10.6	10.6	10.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)