

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: P384006

Luminaire Tested: **24ID-35-L830-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384006  
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-35-L830-CFR2  
Description: 2X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

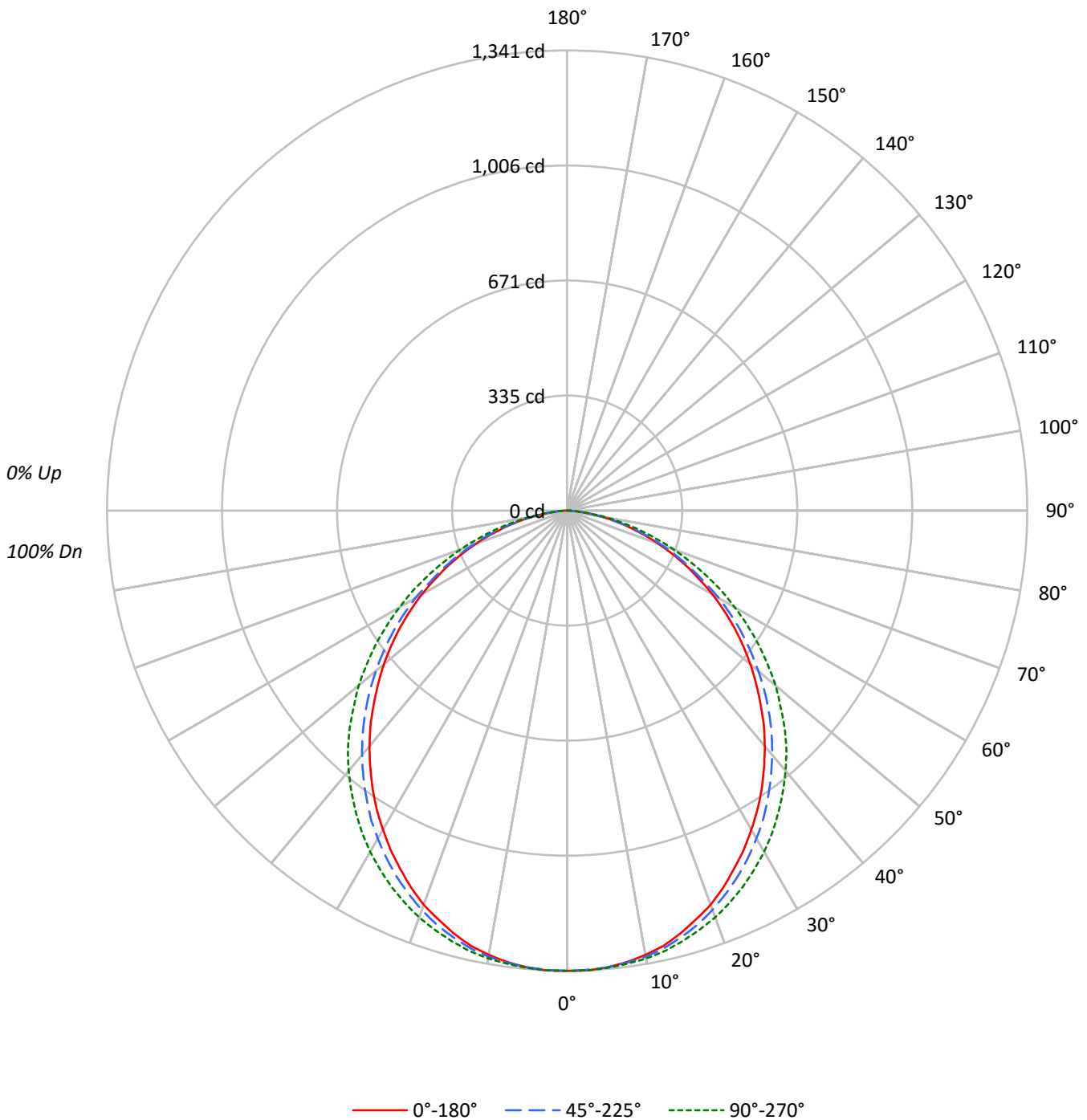
Lumens per Lamp: N/A  
Luminaire Lumens: 3541.0 lumens  
Efficiency: N/A  
Efficacy: 116.5 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 30.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	1805	1805	1805
5°	1805	1805	1807
10°	1796	1804	1811
15°	1777	1792	1809
20°	1750	1773	1806
25°	1709	1746	1796
30°	1668	1715	1784
35°	1623	1676	1763
40°	1574	1633	1739
45°	1516	1584	1705
50°	1460	1523	1660
55°	1394	1457	1598
60°	1318	1375	1518
65°	1226	1265	1418
70°	1110	1152	1298
75°	968	1005	1134
80°	783	797	893
85°	466	520	438



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.0	3.6
10°-20°	362.9	10.2
20°-30°	542.9	15.3
30°-40°	641.4	18.1
40°-50°	647.3	18.3
50°-60°	562.1	15.9
60°-70°	403.1	11.4
70°-80°	210.0	5.9
80°-90°	44.3	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°	1032.9	29.2
0°-40°	1674.3	47.3
0°-60°	2883.6	81.4
0°-90°	3541.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3541.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1341	1341	1341	1341	1341	
5°	1336	1334	1336	1336	1338	127
15°	1276	1278	1286	1295	1299	359
25°	1152	1159	1176	1199	1210	531
35°	988	995	1020	1058	1074	618
45°	797	806	832	875	896	615
55°	594	600	621	662	681	531
65°	385	383	397	428	445	381
75°	186	184	193	208	218	199
85°	30	34	34	30	28	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1341.4	1341.4	1341.4	1341.4	1341.4
2.5°	1341.4	1339.6	1339.6	1339.6	1341.4
5°	1336.1	1334.3	1336.1	1336.1	1337.8
7.5°	1327.2	1325.4	1329.0	1330.7	1332.5
10°	1314.8	1314.8	1320.1	1323.6	1325.4
12.5°	1298.8	1298.8	1305.9	1311.2	1314.8
15°	1275.7	1277.5	1286.4	1295.2	1298.8
17.5°	1249.1	1254.4	1265.1	1277.5	1281.1
20°	1222.5	1226.0	1238.5	1254.4	1261.5
22.5°	1188.8	1194.1	1208.3	1229.6	1236.7
25°	1151.5	1158.6	1176.4	1199.4	1210.1
27.5°	1114.3	1119.6	1140.9	1167.5	1179.9
30°	1073.5	1080.6	1103.6	1133.8	1148.0
32.5°	1032.6	1038.0	1064.6	1096.5	1112.5
35°	988.3	995.4	1020.2	1057.5	1073.5
37.5°	942.2	951.0	975.9	1014.9	1032.6
40°	896.0	901.3	929.7	968.8	990.1
42.5°	848.1	855.2	881.8	924.4	945.7
45°	796.7	805.5	832.2	874.7	896.0
47.5°	747.0	755.9	780.7	823.3	842.8
50°	697.3	702.6	727.5	770.1	793.1
52.5°	645.8	651.2	674.2	715.0	736.3
55°	594.4	599.7	621.0	661.8	681.3
57.5°	541.2	544.7	566.0	603.3	622.8
60°	489.7	491.5	511.0	544.7	564.2
62.5°	434.7	436.5	450.7	489.7	507.5
65°	385.0	383.3	397.4	427.6	445.4
67.5°	333.6	333.6	346.0	372.6	386.8
70°	282.1	282.1	292.8	315.8	330.0
72.5°	234.2	234.2	243.1	260.8	271.5
75°	186.3	184.5	193.4	207.6	218.2
77.5°	141.9	141.9	145.5	157.9	165.0
80°	101.1	101.1	102.9	110.0	115.3
82.5°	63.9	63.9	63.9	67.4	69.2
85°	30.2	33.7	33.7	30.2	28.4
87.5°	14.2	14.2	12.4	12.4	12.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)