

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: P384305

Luminaire Tested: **22ID-50-L850-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-68)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-50-L850-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

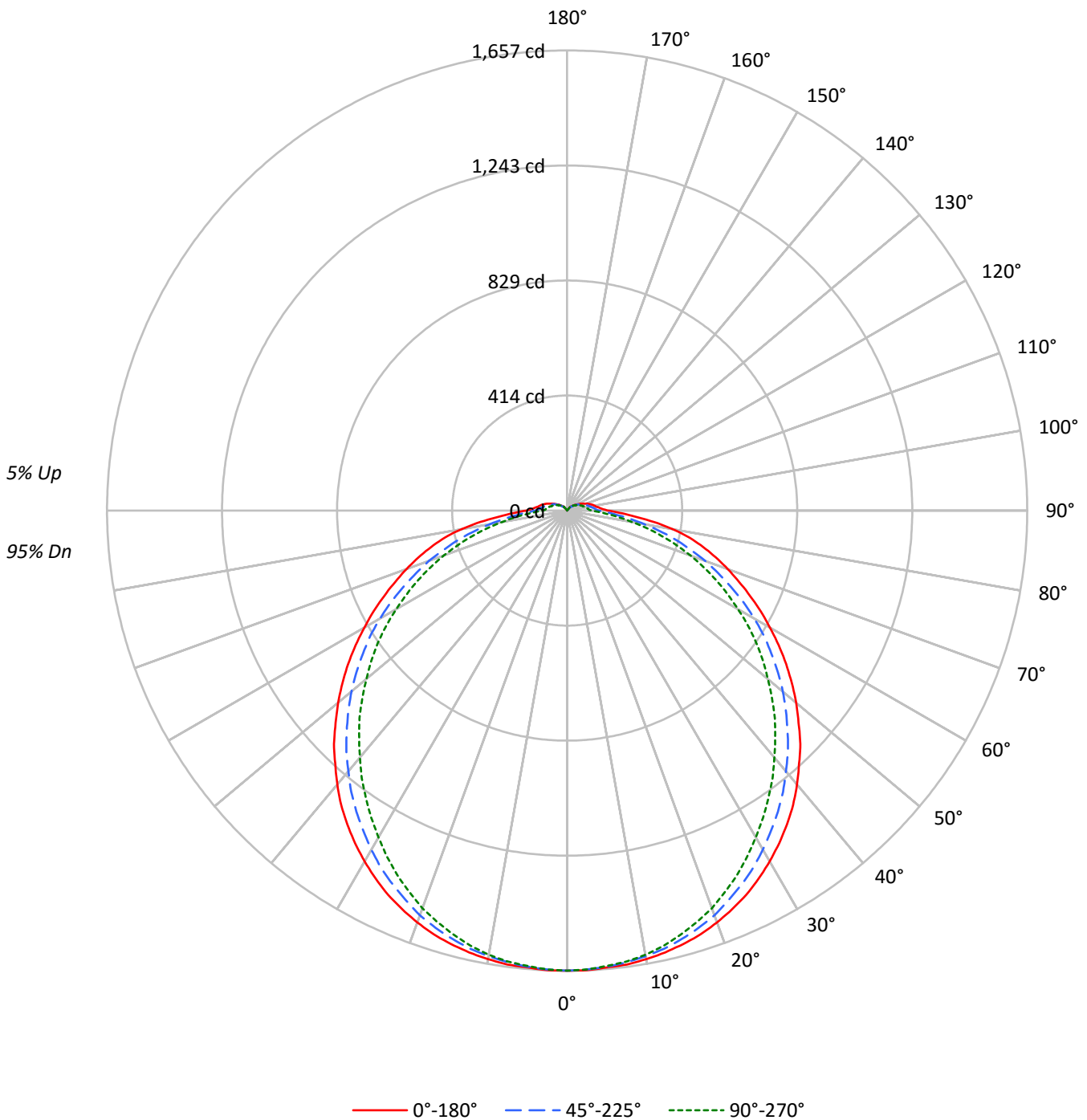
Lumens per Lamp: N/A
Luminaire Lumens: 5373.2 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 41.5
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	106	101	96	92	103	98	94	90	93	90	86	88	85	83	84	81	79	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	87	76	68	61	84	74	67	60	71	64	58	67	62	57	64	59	55	53
4	80	68	58	51	77	66	57	51	63	55	50	60	53	48	57	51	47	45
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	51	45	41	38
6	68	54	45	38	65	53	44	38	50	43	37	48	42	36	46	40	36	33
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	32	30
8	58	45	36	30	56	44	35	30	42	35	29	40	34	29	39	33	28	26
9	54	41	33	27	53	40	32	27	39	31	26	37	31	26	36	30	25	24
10	51	38	30	24	50	37	29	24	36	29	24	34	28	23	33	27	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4458	4458	4458
5°	4428	4408	4414
10°	4417	4362	4374
15°	4404	4313	4307
20°	4386	4259	4235
25°	4363	4182	4138
30°	4325	4102	4027
35°	4284	4015	3922
40°	4228	3918	3810
45°	4172	3821	3715
50°	4099	3723	3593
55°	4035	3604	3490
60°	3966	3478	3341
65°	3926	3307	3193
70°	3940	3142	3020
75°	4021	2917	2796
80°	4080	2619	2511
85°	3858	2355	2315



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.8	2.9
10°-20°	450.9	8.4
20°-30°	684.8	12.7
30°-40°	827.2	15.4
40°-50°	865.8	16.1
50°-60°	803.3	15.0
60°-70°	650.7	12.1
70°-80°	439.1	8.2
80°-90°	212.2	3.9
90°-100°	106.7	2.0
100°-110°	77.6	1.4
110°-120°	51.9	1.0
120°-130°	30.0	0.6
130°-140°	15.2	0.3
140°-150°	1.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1292.5	24.1
0°-40°	2119.6	39.4
0°-60°	3788.7	70.5
0°-90°	5090.7	94.7
90°-120°	236.2	4.4
90°-150°	282.5	5.3
90°-180°	283.0	5.3
0°-180°	5373.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1657	1657	1657	1657	1657	
5°	1651	1648	1648	1646	1646	157
15°	1616	1608	1597	1586	1581	457
25°	1526	1513	1486	1459	1448	703
35°	1380	1361	1323	1282	1264	863
45°	1188	1166	1122	1076	1057	915
55°	962	941	898	854	832	860
65°	727	700	651	616	591	721
75°	507	456	404	374	352	534
85°	244	212	179	163	146	231
90°	146	133	114	103	87	84
95°	117	108	98	87	76	92
105°	87	81	73	65	60	93
115°	60	54	54	46	46	59
125°	38	32	35	30	32	33
135°	22	19	19	19	22	17
145°	0	0	0	0	0	1
155°	0	0	0	0	0	0
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°	1656.7	1656.7	1656.7	1656.7	1656.7
2.5°	1656.7	1653.9	1653.9	1653.9	1653.9
5°	1651.2	1648.5	1648.5	1645.8	1645.8
7.5°	1648.5	1643.1	1640.4	1637.7	1637.7
10°	1640.4	1635.0	1629.5	1624.1	1624.1
12.5°	1629.5	1624.1	1616.0	1605.1	1605.1
15°	1616.0	1607.9	1597.0	1586.2	1580.7
17.5°	1599.7	1591.6	1575.3	1559.0	1553.6
20°	1578.0	1567.2	1550.9	1529.2	1523.8
22.5°	1553.6	1542.8	1518.4	1496.7	1485.8
25°	1526.5	1513.0	1485.8	1458.7	1447.9
27.5°	1494.0	1480.4	1450.6	1418.1	1404.5
30°	1458.7	1442.5	1409.9	1374.7	1358.4
32.5°	1420.8	1401.8	1366.5	1328.6	1312.3
35°	1380.1	1361.1	1323.2	1282.5	1263.5
37.5°	1336.7	1317.7	1277.1	1233.7	1214.7
40°	1287.9	1268.9	1225.5	1182.2	1160.5
42.5°	1236.4	1220.1	1176.7	1130.6	1109.0
45°	1187.6	1165.9	1122.5	1076.4	1057.4
47.5°	1130.6	1114.4	1068.3	1022.2	1000.5
50°	1076.4	1057.4	1014.1	968.0	943.6
52.5°	1019.5	1003.2	957.1	911.0	889.3
55°	962.5	940.9	897.5	854.1	832.4
57.5°	902.9	883.9	840.5	799.9	772.7
60°	843.2	824.3	778.2	740.2	710.4
62.5°	786.3	764.6	715.8	675.1	650.7
65°	726.7	699.5	650.7	615.5	591.1
67.5°	669.7	637.2	588.4	555.8	531.4
70°	615.5	577.5	528.7	496.2	471.8
72.5°	561.3	515.2	463.6	433.8	412.1
75°	507.0	455.5	404.0	374.2	352.5
77.5°	452.8	393.2	341.6	317.2	295.5
80°	387.7	330.8	282.0	260.3	238.6
82.5°	314.5	268.4	227.8	206.1	189.8
85°	244.0	211.5	179.0	162.7	146.4
87.5°	189.8	165.4	141.0	127.4	113.9
90°	146.4	132.9	113.9	103.0	86.8
92.5°	127.4	116.6	103.0	92.2	78.6
95°	116.6	108.5	97.6	86.8	75.9
97.5°	105.7	100.3	89.5	81.3	70.5
100°	100.3	92.2	84.1	75.9	67.8
102.5°	94.9	86.8	78.6	70.5	65.1
105°	86.8	81.3	73.2	65.1	59.7
107.5°	81.3	73.2	67.8	59.7	56.9
110°	73.2	67.8	62.4	56.9	54.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	65.1	62.4	56.9	51.5	48.8
115°	59.7	54.2	54.2	46.1	46.1
117.5°	54.2	48.8	48.8	43.4	43.4
120°	46.1	43.4	43.4	38.0	38.0
122.5°	40.7	38.0	38.0	35.2	35.2
125°	38.0	32.5	35.2	29.8	32.5
127.5°	32.5	29.8	29.8	27.1	29.8
130°	27.1	24.4	24.4	24.4	27.1
132.5°	24.4	21.7	21.7	21.7	24.4
135°	21.7	19.0	19.0	19.0	21.7
137.5°	19.0	16.3	13.6	16.3	19.0
140°	16.3	13.6	10.8	13.6	16.3
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
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)