

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: P383957

Luminaire Tested: **22ID-35-L850-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383957
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-35-L850-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

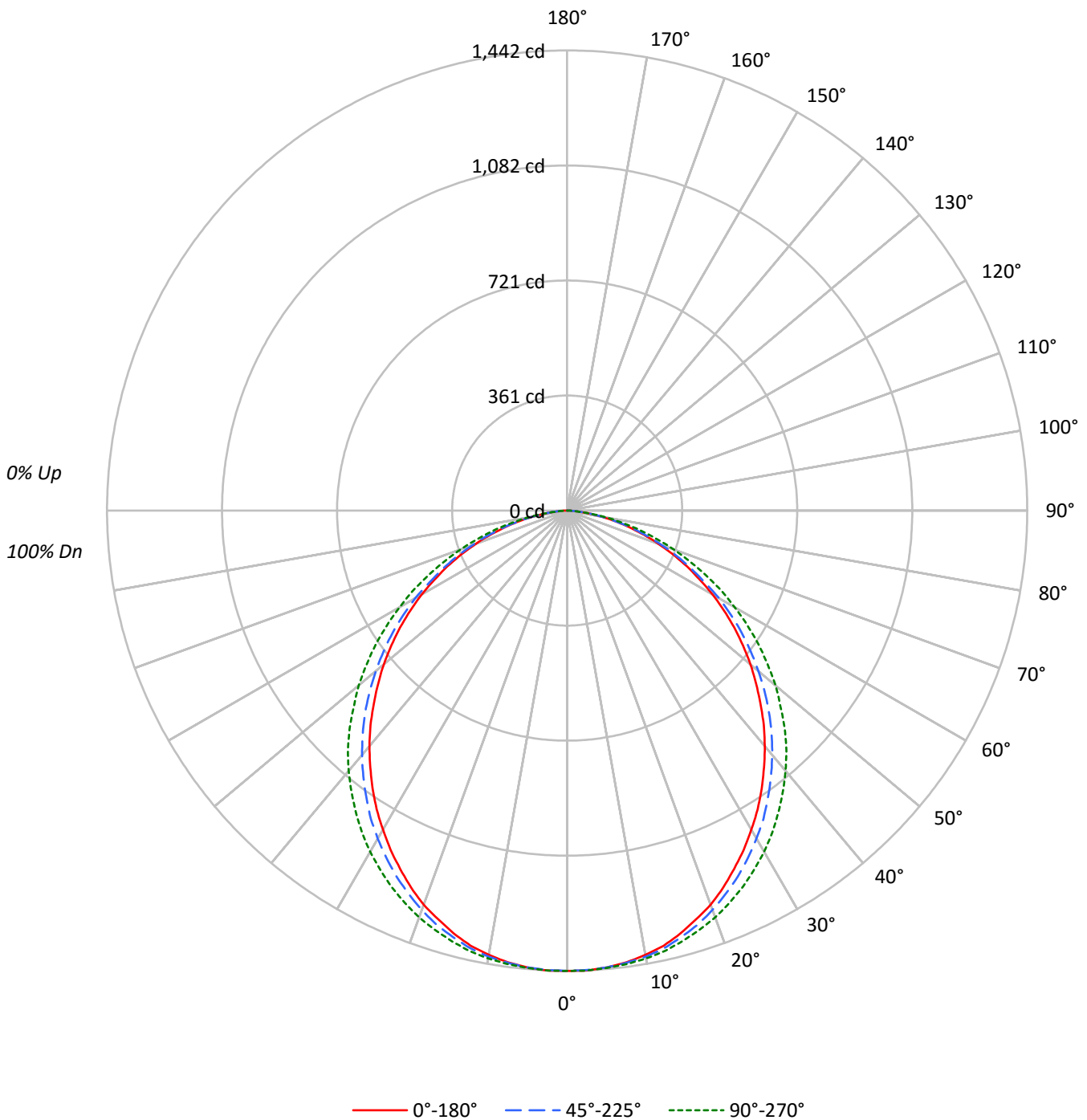
Lumens per Lamp: N/A
Luminaire Lumens: 3808.0 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.4
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°	3882	3882	3882
5°	3881	3881	3886
10°	3863	3879	3895
15°	3822	3854	3891
20°	3765	3814	3885
25°	3677	3756	3864
30°	3587	3688	3836
35°	3491	3604	3792
40°	3385	3512	3740
45°	3260	3406	3667
50°	3139	3275	3571
55°	2999	3133	3438
60°	2834	2957	3266
65°	2637	2721	3049
70°	2387	2477	2792
75°	2084	2163	2440
80°	1686	1715	1922
85°	1000	1121	942



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.6	3.6
10°-20°	390.3	10.2
20°-30°	583.9	15.3
30°-40°	689.8	18.1
40°-50°	696.1	18.3
50°-60°	604.5	15.9
60°-70°	433.5	11.4
70°-80°	225.8	5.9
80°-90°	47.7	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°	1110.7	29.2
0°-40°	1800.5	47.3
0°-60°	3101.1	81.4
0°-90°	3808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3808.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1442	1442	1442	1442	1442	
5°	1437	1435	1437	1437	1439	136
15°	1372	1374	1383	1393	1397	387
25°	1238	1246	1265	1290	1301	571
35°	1063	1070	1097	1137	1154	664
45°	857	866	895	941	964	662
55°	639	645	668	712	733	571
65°	414	412	427	460	479	409
75°	200	198	208	223	235	214
85°	32	36	36	32	30	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1442.5	1442.5	1442.5	1442.5	1442.5
2.5°	1442.5	1440.6	1440.6	1440.6	1442.5
5°	1436.8	1434.9	1436.8	1436.8	1438.7
7.5°	1427.3	1425.3	1429.2	1431.1	1433.0
10°	1413.9	1413.9	1419.6	1423.4	1425.3
12.5°	1396.7	1396.7	1404.4	1410.1	1413.9
15°	1371.9	1373.8	1383.4	1392.9	1396.7
17.5°	1343.3	1349.0	1360.5	1373.8	1377.6
20°	1314.7	1318.5	1331.9	1349.0	1356.7
22.5°	1278.4	1284.1	1299.4	1322.3	1329.9
25°	1238.4	1246.0	1265.1	1289.9	1301.3
27.5°	1198.3	1204.0	1226.9	1255.5	1268.9
30°	1154.4	1162.0	1186.8	1219.3	1234.5
32.5°	1110.5	1116.2	1144.9	1179.2	1196.4
35°	1062.8	1070.4	1097.2	1137.2	1154.4
37.5°	1013.2	1022.7	1049.5	1091.4	1110.5
40°	963.6	969.3	999.8	1041.8	1064.7
42.5°	912.1	919.7	948.3	994.1	1017.0
45°	856.7	866.3	894.9	940.7	963.6
47.5°	803.3	812.8	839.6	885.4	906.3
50°	749.9	755.6	782.3	828.1	852.9
52.5°	694.5	700.3	725.1	769.0	791.9
55°	639.2	644.9	667.8	711.7	732.7
57.5°	582.0	585.8	608.7	648.8	669.7
60°	526.6	528.5	549.5	585.8	606.8
62.5°	467.5	469.4	484.7	526.6	545.7
65°	414.1	412.1	427.4	459.9	478.9
67.5°	358.7	358.7	372.1	400.7	416.0
70°	303.4	303.4	314.8	339.6	354.9
72.5°	251.9	251.9	261.4	280.5	291.9
75°	200.4	198.4	208.0	223.2	234.7
77.5°	152.6	152.6	156.5	169.8	177.5
80°	108.8	108.8	110.7	118.3	124.0
82.5°	68.7	68.7	68.7	72.5	74.4
85°	32.4	36.3	36.3	32.4	30.5
87.5°	15.3	15.3	13.4	13.4	13.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)