

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: P383789

Luminaire Tested: **22ID-35-L850-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-35-L850-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

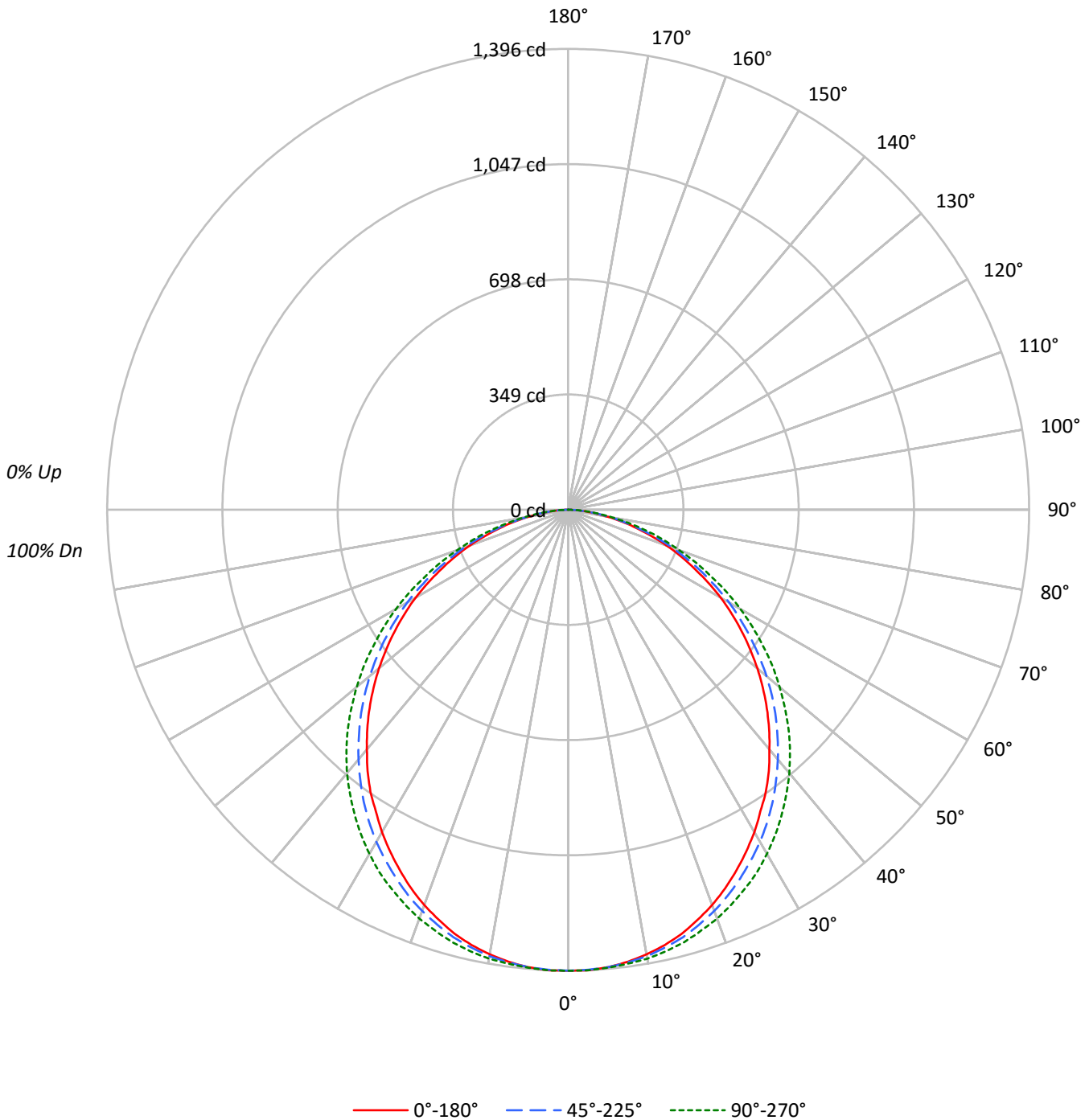
Lumens per Lamp: N/A
Luminaire Lumens: 3792.7 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3758	3758	3758
5°	3757	3757	3762
10°	3738	3753	3774
15°	3704	3736	3779
20°	3649	3704	3775
25°	3580	3659	3761
30°	3503	3610	3741
35°	3428	3547	3704
40°	3331	3471	3659
45°	3238	3383	3594
50°	3131	3283	3498
55°	3007	3160	3383
60°	2875	3029	3245
65°	2684	2842	3037
70°	2492	2627	2807
75°	2222	2340	2539
80°	1863	1951	2129
85°	1414	1414	1590



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.2	3.5
10°-20°	378.2	10.0
20°-30°	568.7	15.0
30°-40°	676.5	17.8
40°-50°	688.3	18.1
50°-60°	605.8	16.0
60°-70°	444.4	11.7
70°-80°	241.2	6.4
80°-90°	57.6	1.5
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°	1079.0	28.4
0°-40°	1755.5	46.3
0°-60°	3049.6	80.4
0°-90°	3792.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3792.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1396	1396	1396	1396	1396	
5°	1391	1389	1391	1391	1393	132
15°	1330	1332	1341	1349	1356	375
25°	1206	1213	1232	1253	1267	555
35°	1044	1051	1080	1112	1128	652
45°	851	858	889	927	944	656
55°	641	651	674	706	721	573
65°	422	429	446	466	477	419
75°	214	218	225	237	244	227
85°	46	46	46	50	52	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1396.5	1396.5	1396.5	1396.5	1396.5
2.5°	1396.5	1394.6	1394.6	1394.6	1396.5
5°	1390.8	1388.9	1390.8	1390.8	1392.7
7.5°	1381.2	1379.3	1383.1	1385.1	1387.0
10°	1367.9	1367.9	1373.6	1377.4	1381.2
12.5°	1350.7	1352.6	1358.3	1364.1	1369.8
15°	1329.7	1331.6	1341.2	1348.8	1356.4
17.5°	1303.0	1306.8	1318.3	1329.7	1337.4
20°	1274.4	1280.1	1293.5	1308.7	1318.3
22.5°	1242.0	1249.6	1264.9	1283.9	1293.5
25°	1205.7	1213.4	1232.4	1253.4	1266.8
27.5°	1167.6	1177.1	1198.1	1222.9	1238.2
30°	1127.5	1137.0	1161.8	1188.6	1203.8
32.5°	1083.6	1095.1	1121.8	1152.3	1167.6
35°	1043.6	1051.2	1079.8	1112.2	1127.5
37.5°	997.8	1007.3	1034.0	1068.4	1085.5
40°	948.2	957.7	988.2	1022.6	1041.7
42.5°	900.5	908.1	938.6	976.8	994.0
45°	850.9	858.5	889.0	927.2	944.4
47.5°	799.4	808.9	837.5	873.8	890.9
50°	747.9	755.5	784.1	818.4	835.6
52.5°	694.4	702.1	728.8	763.1	780.3
55°	641.0	650.6	673.5	705.9	721.1
57.5°	587.6	597.1	618.1	648.6	662.0
60°	534.2	541.8	562.8	589.5	602.9
62.5°	476.9	482.7	503.7	530.4	541.8
65°	421.6	429.3	446.4	465.5	476.9
67.5°	370.1	373.9	389.2	410.2	417.8
70°	316.7	320.5	333.9	351.0	356.8
72.5°	263.3	269.0	278.5	293.8	301.4
75°	213.7	217.5	225.1	236.6	244.2
77.5°	166.0	167.9	173.6	183.1	188.9
80°	120.2	122.1	125.9	133.5	137.4
82.5°	80.1	82.0	83.9	87.8	91.6
85°	45.8	45.8	45.8	49.6	51.5
87.5°	17.2	15.3	15.3	15.3	15.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)