

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: P383997

Luminaire Tested: **22ID-85-L850-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383997
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-85-L850-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

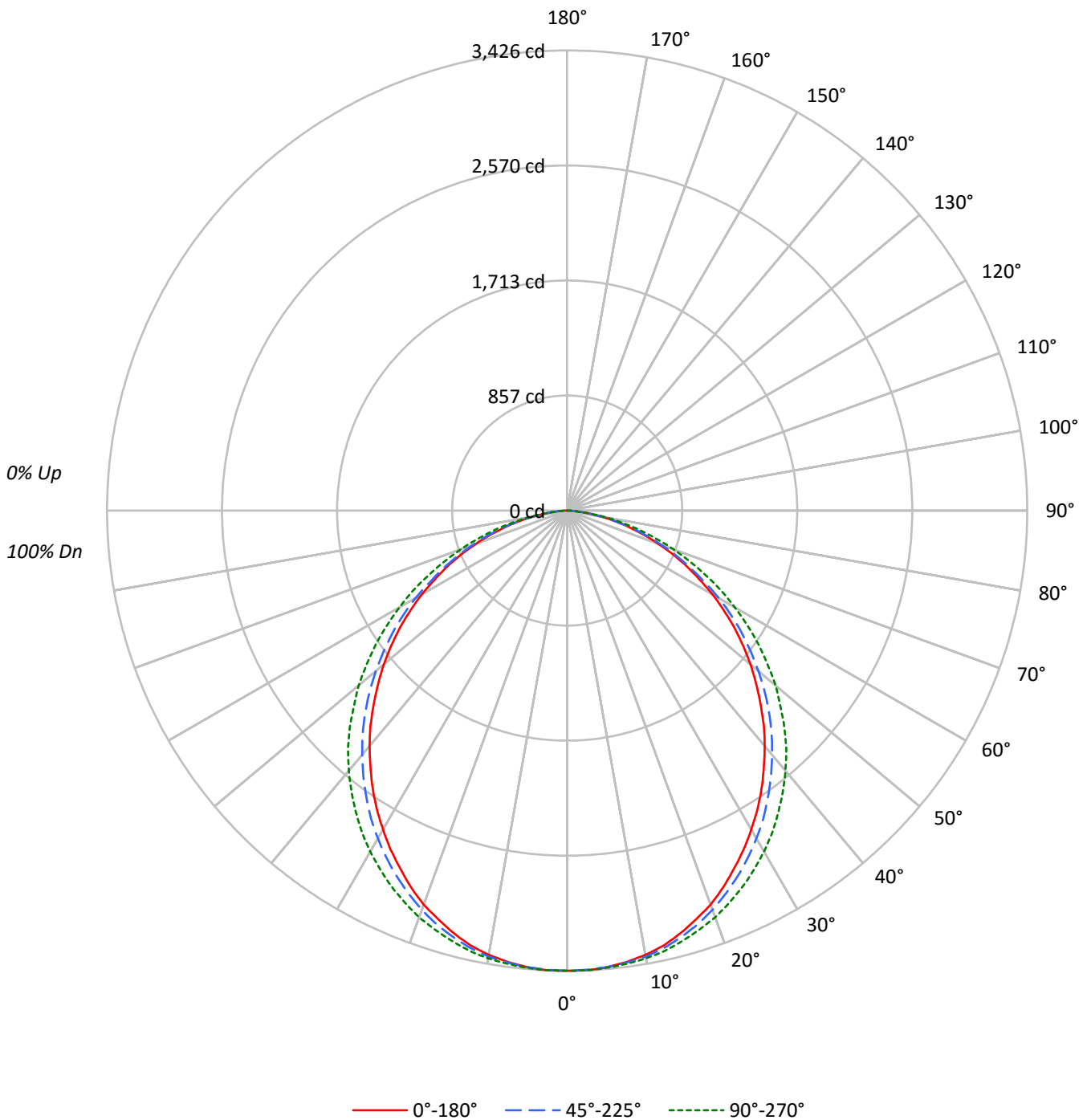
Lumens per Lamp: N/A
Luminaire Lumens: 9044.0 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 78.1
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°	9219	9219	9219
5°	9218	9218	9230
10°	9176	9213	9250
15°	9077	9153	9241
20°	8942	9058	9227
25°	8733	8921	9177
30°	8519	8758	9111
35°	8292	8560	9007
40°	8039	8342	8883
45°	7743	8088	8709
50°	7456	7778	8480
55°	7122	7441	8164
60°	6732	7024	7756
65°	6262	6464	7243
70°	5669	5883	6632
75°	4947	5136	5795
80°	4003	4073	4565
85°	2377	2658	2238



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.3	3.6
10°-20°	927.0	10.2
20°-30°	1386.7	15.3
30°-40°	1638.3	18.1
40°-50°	1653.1	18.3
50°-60°	1435.6	15.9
60°-70°	1029.5	11.4
70°-80°	536.3	5.9
80°-90°	113.2	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°	2638.0	29.2
0°-40°	4276.3	47.3
0°-60°	7365.0	81.4
0°-90°	9044.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9044.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3426	3426	3426	3426	3426	
5°	3412	3408	3412	3412	3417	324
15°	3258	3263	3286	3308	3317	918
25°	2941	2959	3004	3063	3091	1355
35°	2524	2542	2606	2701	2742	1578
45°	2035	2057	2125	2234	2288	1571
55°	1518	1532	1586	1690	1740	1356
65°	983	979	1015	1092	1138	972
75°	476	471	494	530	557	508
85°	77	86	86	77	72	110
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3426.0	3426.0	3426.0	3426.0	3426.0
2.5°	3426.0	3421.5	3421.5	3421.5	3426.0
5°	3412.4	3407.9	3412.4	3412.4	3416.9
7.5°	3389.7	3385.2	3394.3	3398.8	3403.3
10°	3358.0	3358.0	3371.6	3380.7	3385.2
12.5°	3317.2	3317.2	3335.4	3348.9	3358.0
15°	3258.3	3262.8	3285.5	3308.2	3317.2
17.5°	3190.3	3203.9	3231.1	3262.8	3271.9
20°	3122.4	3131.4	3163.1	3203.9	3222.1
22.5°	3036.3	3049.9	3086.1	3140.5	3158.6
25°	2941.1	2959.2	3004.5	3063.4	3090.6
27.5°	2845.9	2859.5	2913.9	2981.9	3013.6
30°	2741.7	2759.8	2818.7	2895.8	2932.0
32.5°	2637.5	2651.1	2719.0	2800.6	2841.4
35°	2524.2	2542.3	2605.7	2700.9	2741.7
37.5°	2406.3	2429.0	2492.5	2592.1	2637.5
40°	2288.5	2302.1	2374.6	2474.3	2528.7
42.5°	2166.2	2184.3	2252.3	2361.0	2415.4
45°	2034.7	2057.4	2125.4	2234.1	2288.5
47.5°	1907.9	1930.5	1994.0	2102.7	2152.6
50°	1781.0	1794.6	1858.0	1966.8	2025.7
52.5°	1649.5	1663.1	1722.1	1826.3	1880.7
55°	1518.1	1531.7	1586.1	1690.3	1740.2
57.5°	1382.2	1391.2	1445.6	1540.8	1590.6
60°	1250.8	1255.3	1305.1	1391.2	1441.1
62.5°	1110.3	1114.8	1151.1	1250.8	1296.1
65°	983.4	978.9	1015.1	1092.1	1137.5
67.5°	852.0	852.0	883.7	951.7	987.9
70°	720.5	720.5	747.7	806.6	842.9
72.5°	598.2	598.2	620.8	666.2	693.4
75°	475.8	471.3	494.0	530.2	557.4
77.5°	362.5	362.5	371.6	403.3	421.5
80°	258.3	258.3	262.8	281.0	294.6
82.5°	163.1	163.1	163.1	172.2	176.7
85°	77.0	86.1	86.1	77.0	72.5
87.5°	36.3	36.3	31.7	31.7	31.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)