

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: P384001

Luminaire Tested: **22ID-90-L850-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384001
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-90-L850-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

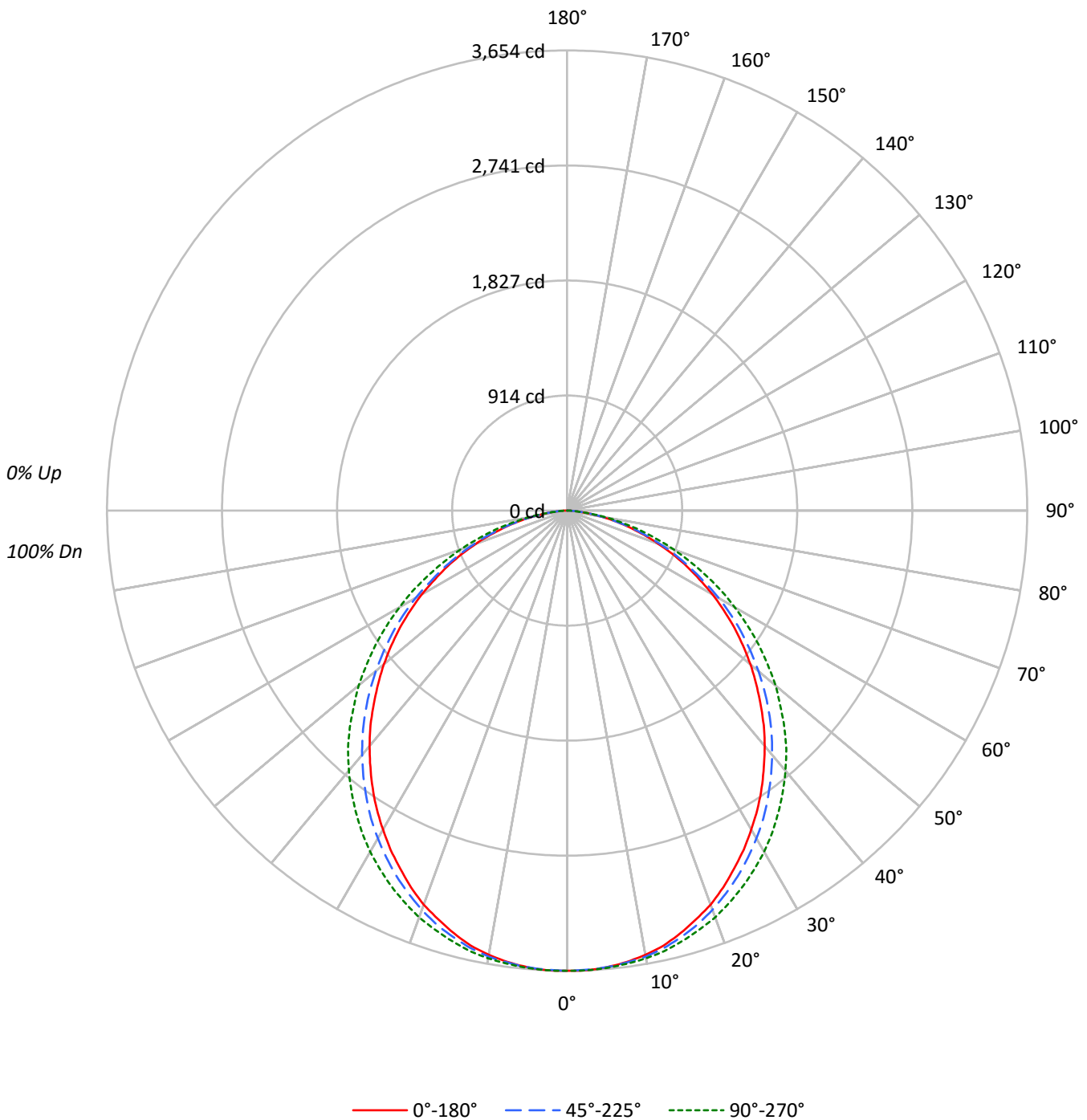
Lumens per Lamp: N/A
Luminaire Lumens: 9646.7 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 85.5
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	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°	9834	9834	9834
5°	9832	9832	9845
10°	9787	9827	9866
15°	9682	9763	9857
20°	9537	9662	9842
25°	9315	9516	9788
30°	9087	9342	9718
35°	8845	9131	9607
40°	8575	8898	9475
45°	8259	8627	9290
50°	7953	8297	9046
55°	7597	7937	8709
60°	7180	7492	8273
65°	6679	6895	7726
70°	6047	6275	7074
75°	5277	5478	6181
80°	4269	4345	4869
85°	2538	2834	2387



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.0	3.6
10°-20°	988.8	10.2
20°-30°	1479.1	15.3
30°-40°	1747.5	18.1
40°-50°	1763.3	18.3
50°-60°	1531.3	15.9
60°-70°	1098.1	11.4
70°-80°	572.0	5.9
80°-90°	120.7	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°	2813.8	29.2
0°-40°	4561.2	47.3
0°-60°	7855.9	81.4
0°-90°	9646.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9646.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3654	3654	3654	3654	3654	
5°	3640	3635	3640	3640	3645	346
15°	3475	3480	3504	3529	3538	979
25°	3137	3156	3205	3268	3297	1445
35°	2692	2712	2779	2881	2924	1683
45°	2170	2194	2267	2383	2441	1676
55°	1619	1634	1692	1803	1856	1446
65°	1049	1044	1083	1165	1213	1037
75°	508	503	527	566	594	541
85°	82	92	92	82	77	118
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3654.3	3654.3	3654.3	3654.3	3654.3
2.5°	3654.3	3649.5	3649.5	3649.5	3654.3
5°	3639.8	3635.0	3639.8	3639.8	3644.6
7.5°	3615.6	3610.8	3620.5	3625.3	3630.1
10°	3581.8	3581.8	3596.3	3606.0	3610.8
12.5°	3538.3	3538.3	3557.6	3572.1	3581.8
15°	3475.4	3480.3	3504.5	3528.6	3538.3
17.5°	3402.9	3417.4	3446.4	3480.3	3490.0
20°	3330.4	3340.1	3373.9	3417.4	3436.8
22.5°	3238.6	3253.1	3291.8	3349.8	3369.1
25°	3137.1	3156.4	3204.8	3267.6	3296.6
27.5°	3035.6	3050.1	3108.1	3180.6	3214.4
30°	2924.4	2943.7	3006.6	3088.8	3127.4
32.5°	2813.2	2827.7	2900.2	2987.2	3030.7
35°	2692.4	2711.7	2779.4	2880.9	2924.4
37.5°	2566.7	2590.9	2658.5	2764.9	2813.2
40°	2441.0	2455.5	2532.9	2639.2	2697.2
42.5°	2310.5	2329.9	2402.4	2518.4	2576.4
45°	2170.3	2194.5	2267.0	2383.0	2441.0
47.5°	2035.0	2059.2	2126.8	2242.8	2296.0
50°	1899.7	1914.2	1981.8	2097.8	2160.7
52.5°	1759.5	1774.0	1836.8	1948.0	2006.0
55°	1619.3	1633.8	1691.8	1803.0	1856.2
57.5°	1474.3	1484.0	1542.0	1643.5	1696.6
60°	1334.1	1338.9	1392.1	1484.0	1537.1
62.5°	1184.3	1189.1	1227.8	1334.1	1382.4
65°	1048.9	1044.1	1082.8	1164.9	1213.3
67.5°	908.7	908.7	942.6	1015.1	1053.8
70°	768.6	768.6	797.6	860.4	899.1
72.5°	638.1	638.1	662.2	710.6	739.6
75°	507.5	502.7	526.9	565.5	594.5
77.5°	386.7	386.7	396.4	430.2	449.5
80°	275.5	275.5	280.4	299.7	314.2
82.5°	174.0	174.0	174.0	183.7	188.5
85°	82.2	91.8	91.8	82.2	77.3
87.5°	38.7	38.7	33.8	33.8	33.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)