

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: P383981

Luminaire Tested: **22ID-65-L850-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383981  
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-65-L850-CFR2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

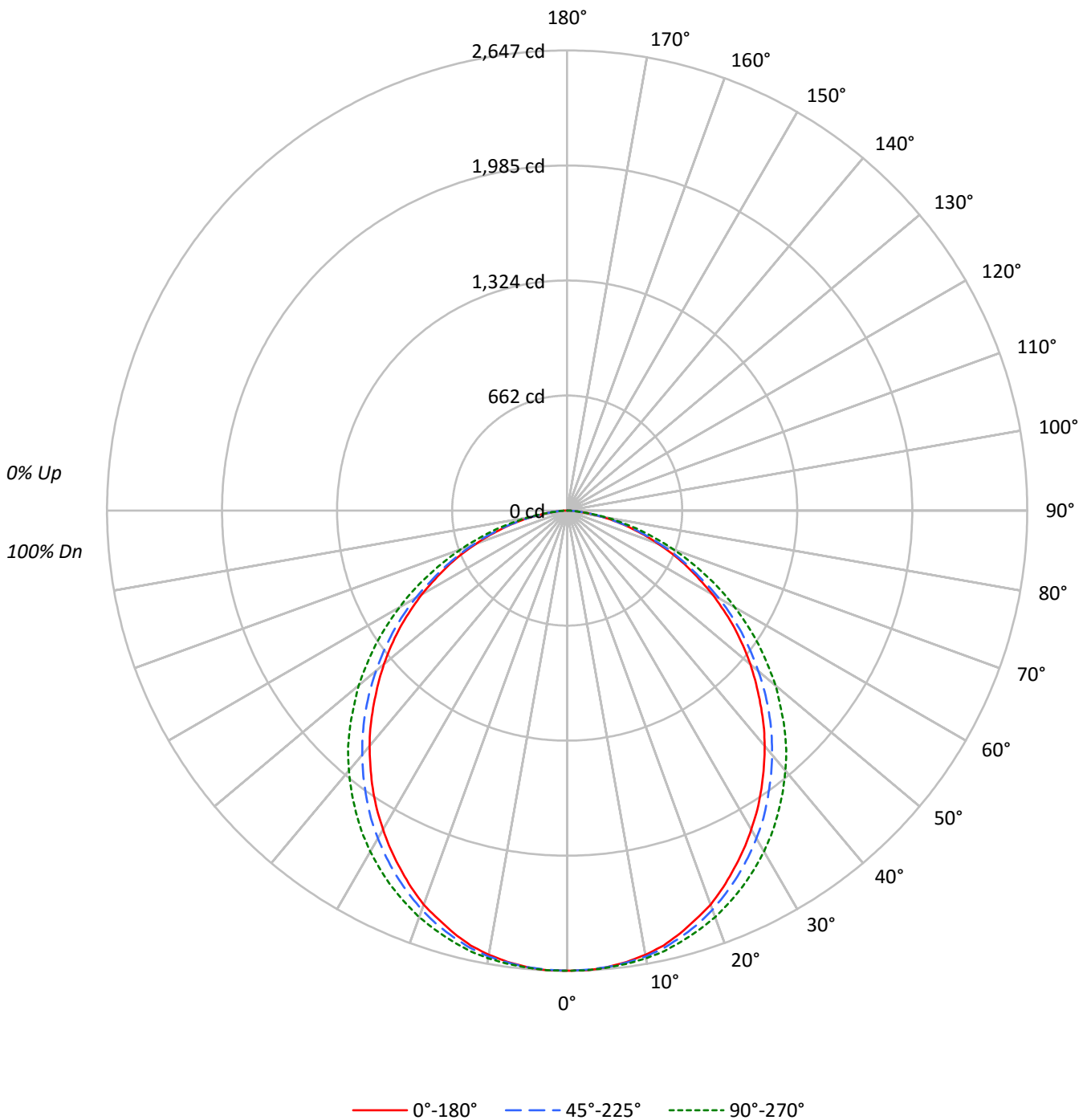
Lumens per Lamp: N/A  
Luminaire Lumens: 6986.5 lumens  
Efficiency: N/A  
Efficacy: 123.4 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 56.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	7122	7122	7122
5°	7121	7121	7130
10°	7088	7117	7146
15°	7012	7071	7139
20°	6907	6997	7128
25°	6746	6891	7089
30°	6581	6766	7038
35°	6406	6613	6958
40°	6210	6444	6862
45°	5982	6248	6728
50°	5760	6009	6551
55°	5502	5749	6307
60°	5200	5426	5991
65°	4837	4993	5595
70°	4379	4544	5123
75°	3822	3968	4477
80°	3092	3146	3526
85°	1837	2053	1729



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	250.6	3.6
10°-20°	716.1	10.2
20°-30°	1071.2	15.3
30°-40°	1265.6	18.1
40°-50°	1277.1	18.3
50°-60°	1109.0	15.9
60°-70°	795.3	11.4
70°-80°	414.3	5.9
80°-90°	87.4	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°	2037.8	29.2
0°-40°	3303.4	47.3
0°-60°	5689.5	81.4
0°-90°	6986.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6986.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2647	2647	2647	2647	2647	
5°	2636	2633	2636	2636	2640	250
15°	2517	2521	2538	2556	2563	709
25°	2272	2286	2321	2366	2388	1047
35°	1950	1964	2013	2086	2118	1219
45°	1572	1589	1642	1726	1768	1214
55°	1173	1183	1225	1306	1344	1047
65°	760	756	784	844	879	751
75°	368	364	382	410	431	392
85°	60	66	66	60	56	85
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2646.6	2646.6	2646.6	2646.6	2646.6
2.5°	2646.6	2643.1	2643.1	2643.1	2646.6
5°	2636.1	2632.6	2636.1	2636.1	2639.6
7.5°	2618.6	2615.1	2622.1	2625.6	2629.1
10°	2594.1	2594.1	2604.6	2611.6	2615.1
12.5°	2562.6	2562.6	2576.6	2587.1	2594.1
15°	2517.1	2520.6	2538.1	2555.6	2562.6
17.5°	2464.5	2475.0	2496.0	2520.6	2527.6
20°	2412.0	2419.0	2443.5	2475.0	2489.0
22.5°	2345.5	2356.0	2384.0	2426.0	2440.0
25°	2272.0	2286.0	2321.0	2366.5	2387.5
27.5°	2198.5	2209.0	2251.0	2303.5	2328.0
30°	2118.0	2132.0	2177.5	2237.0	2265.0
32.5°	2037.4	2047.9	2100.5	2163.5	2195.0
35°	1949.9	1963.9	2012.9	2086.5	2118.0
37.5°	1858.9	1876.4	1925.4	2002.4	2037.4
40°	1767.9	1778.4	1834.4	1911.4	1953.4
42.5°	1673.4	1687.4	1739.9	1823.9	1865.9
45°	1571.8	1589.3	1641.9	1725.9	1767.9
47.5°	1473.8	1491.3	1540.3	1624.4	1662.9
50°	1375.8	1386.3	1435.3	1519.3	1564.8
52.5°	1274.3	1284.8	1330.3	1410.8	1452.8
55°	1172.8	1183.3	1225.3	1305.8	1344.3
57.5°	1067.7	1074.7	1116.7	1190.3	1228.8
60°	966.2	969.7	1008.2	1074.7	1113.2
62.5°	857.7	861.2	889.2	966.2	1001.2
65°	759.7	756.2	784.2	843.7	878.7
67.5°	658.1	658.1	682.6	735.2	763.2
70°	556.6	556.6	577.6	623.1	651.1
72.5°	462.1	462.1	479.6	514.6	535.6
75°	367.6	364.1	381.6	409.6	430.6
77.5°	280.1	280.1	287.1	311.6	325.6
80°	199.5	199.5	203.0	217.0	227.5
82.5°	126.0	126.0	126.0	133.0	136.5
85°	59.5	66.5	66.5	59.5	56.0
87.5°	28.0	28.0	24.5	24.5	24.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)