

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: P385123

Luminaire Tested: **22ID-25-L835-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385123  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22ID-25-L835-CNC  
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

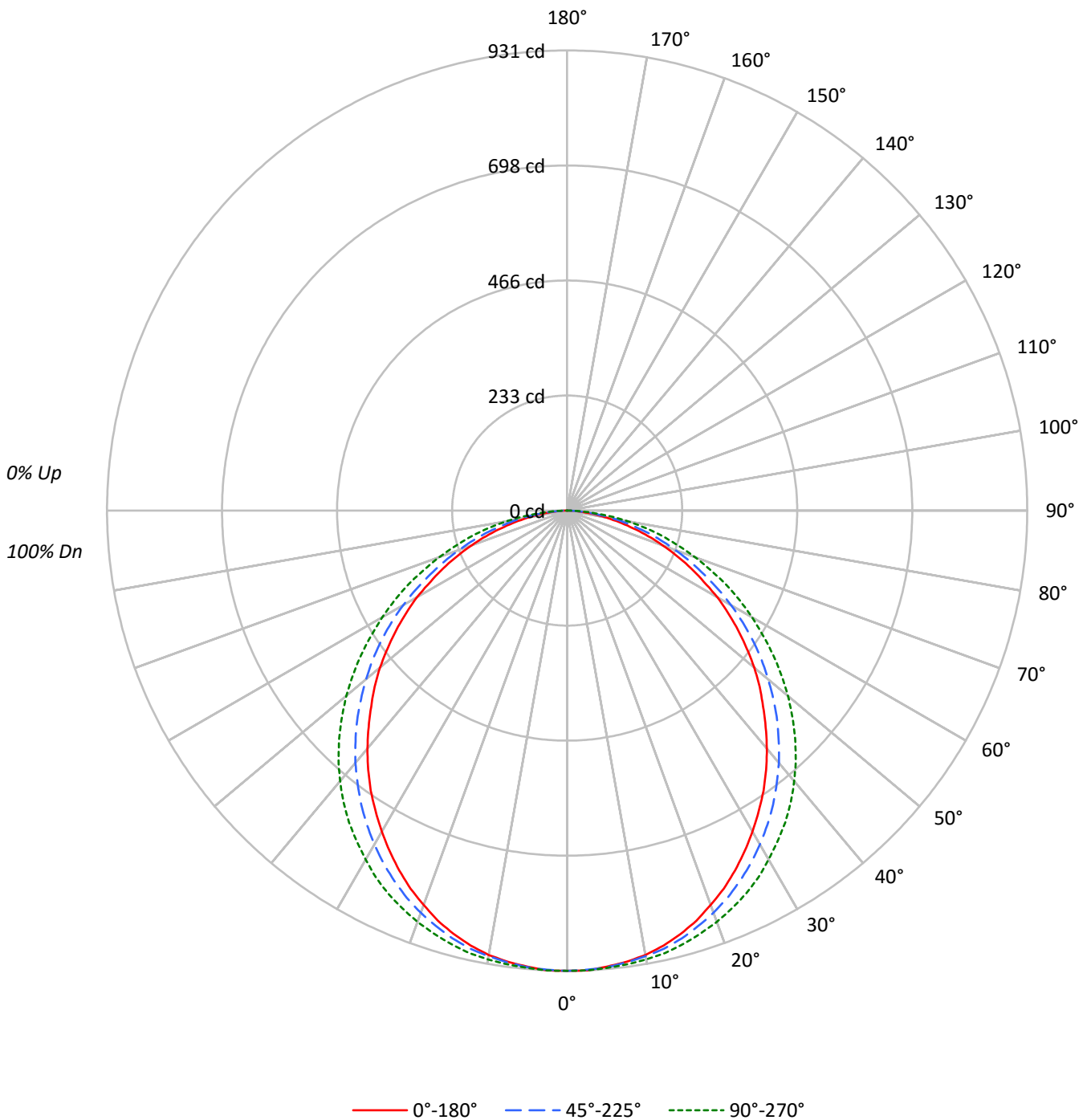
Lumens per Lamp: N/A  
Luminaire Lumens: 2585.4 lumens  
Efficiency: N/A  
Efficacy: 125.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.6  
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	104	100	96	106	102	98	94	98	94	91		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		65	58	53		62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47		58	51	46		56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41		52	46	41		51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36		48	41	36		46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32		44	37	32		43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29		40	34	29		39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27		37	31	26		37	31	26	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2506	2506	2506
5°	2501	2505	2508
10°	2494	2502	2519
15°	2471	2496	2529
20°	2431	2480	2536
25°	2385	2455	2540
30°	2330	2423	2533
35°	2275	2386	2528
40°	2208	2341	2511
45°	2134	2288	2482
50°	2069	2222	2441
55°	1982	2154	2386
60°	1888	2063	2323
65°	1761	1943	2259
70°	1622	1826	2165
75°	1437	1695	2074
80°	1212	1516	1920
85°	886	1167	1531



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.1	3.4
10°-20°	252.9	9.8
20°-30°	381.4	14.8
30°-40°	455.3	17.6
40°-50°	465.3	18.0
50°-60°	412.6	16.0
60°-70°	307.6	11.9
70°-80°	175.7	6.8
80°-90°	46.3	1.8
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°	722.4	27.9
0°-40°	1177.7	45.6
0°-60°	2055.7	79.5
0°-90°	2585.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2585.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	931	931	931	931	931	
5°	926	926	927	927	929	88
15°	887	889	896	904	908	250
25°	803	810	827	845	856	370
35°	692	702	726	755	770	433
45°	561	572	601	634	652	433
55°	422	430	459	492	509	378
65°	276	283	305	336	355	274
75°	138	145	163	188	200	147
85°	29	30	38	47	50	36
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	931.2	931.2	931.2	931.2	931.2
2.5°	931.2	929.9	929.9	929.9	931.2
5°	926.0	926.0	927.3	927.3	928.6
7.5°	920.7	920.7	922.0	923.3	926.0
10°	912.9	912.9	915.5	919.4	922.0
12.5°	901.2	902.5	907.7	912.9	916.8
15°	886.8	889.4	896.0	903.8	907.7
17.5°	869.9	872.5	881.6	892.0	897.3
20°	849.0	854.2	866.0	879.0	885.5
22.5°	828.1	833.4	847.7	863.4	871.2
25°	803.4	809.9	826.8	845.1	855.5
27.5°	777.3	785.1	804.7	825.5	837.3
30°	749.9	759.0	779.9	803.4	815.1
32.5°	721.2	730.3	753.8	779.9	792.9
35°	692.5	701.6	726.4	755.1	769.5
37.5°	661.2	670.3	696.4	727.7	743.4
40°	628.6	639.0	666.4	697.7	714.7
42.5°	594.7	606.4	633.8	667.7	684.7
45°	560.8	572.5	601.2	633.8	652.1
47.5°	528.2	537.3	566.0	599.9	618.2
50°	494.3	502.1	530.8	564.7	583.0
52.5°	457.8	468.2	495.6	529.5	546.4
55°	422.5	430.4	459.1	491.7	508.6
57.5°	386.0	393.9	421.2	453.8	469.5
60°	350.8	358.6	383.4	416.0	431.7
62.5°	311.7	319.5	344.3	378.2	393.9
65°	276.5	283.0	305.2	336.5	354.7
67.5°	241.3	247.8	268.7	298.7	313.0
70°	206.1	211.3	232.1	259.5	275.2
72.5°	172.1	177.4	198.2	223.0	236.1
75°	138.2	144.8	163.0	187.8	199.5
77.5°	106.9	113.5	129.1	151.3	161.7
80°	78.2	83.5	97.8	114.8	123.9
82.5°	52.2	56.1	66.5	80.9	87.4
85°	28.7	30.0	37.8	46.9	49.6
87.5°	11.7	11.7	14.3	15.6	17.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)