

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: P385175

Luminaire Tested: **22ID-90-L835-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385175  
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-90-L835-CNC  
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

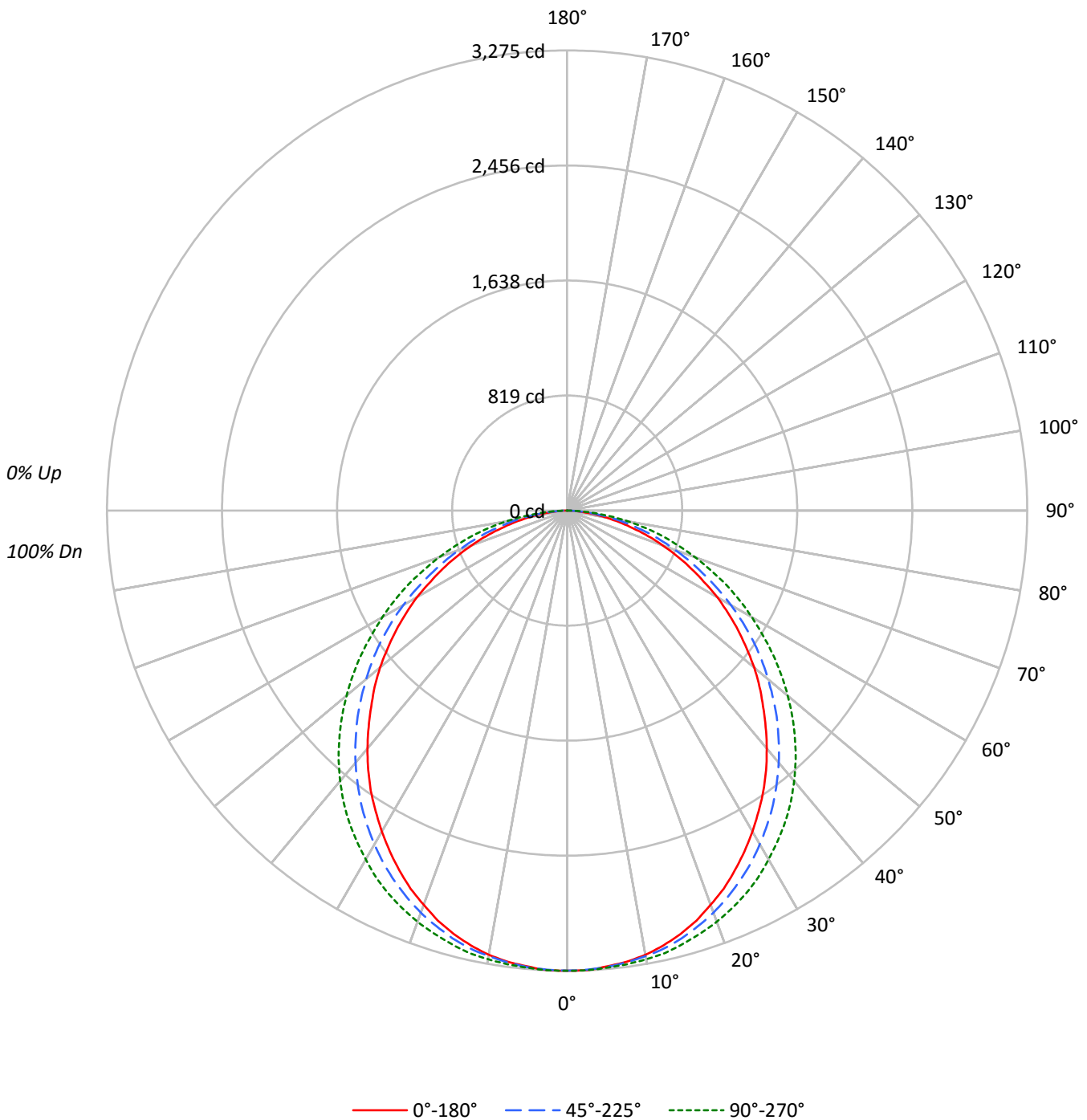
Lumens per Lamp: N/A  
Luminaire Lumens: 9092.9 lumens  
Efficiency: N/A  
Efficacy: 108.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 84.1  
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	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°	8813	8813	8813
5°	8797	8809	8822
10°	8773	8798	8861
15°	8689	8779	8894
20°	8551	8722	8919
25°	8389	8634	8934
30°	8195	8523	8908
35°	8001	8393	8890
40°	7766	8233	8829
45°	7506	8047	8728
50°	7278	7815	8583
55°	6972	7575	8392
60°	6640	7258	8171
65°	6192	6834	7944
70°	5702	6423	7615
75°	5055	5961	7297
80°	4265	5331	6752
85°	3115	4106	5382



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	310.0	3.4
10°-20°	889.4	9.8
20°-30°	1341.3	14.8
30°-40°	1601.4	17.6
40°-50°	1636.7	18.0
50°-60°	1451.2	16.0
60°-70°	1081.9	11.9
70°-80°	618.0	6.8
80°-90°	163.0	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°	2540.7	27.9
0°-40°	4142.1	45.6
0°-60°	7230.0	79.5
0°-90°	9092.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9092.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3275	3275	3275	3275	3275	
5°	3257	3257	3261	3261	3266	310
15°	3119	3128	3151	3179	3192	879
25°	2825	2848	2908	2972	3009	1301
35°	2436	2468	2555	2656	2706	1522
45°	1972	2014	2114	2229	2293	1524
55°	1486	1514	1614	1729	1789	1328
65°	972	995	1073	1183	1248	964
75°	486	509	573	660	702	519
85°	101	106	133	165	174	126
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3274.9	3274.9	3274.9	3274.9	3274.9
2.5°	3274.9	3270.4	3270.4	3270.4	3274.9
5°	3256.6	3256.6	3261.2	3261.2	3265.8
7.5°	3238.3	3238.3	3242.8	3247.4	3256.6
10°	3210.7	3210.7	3219.9	3233.7	3242.8
12.5°	3169.4	3174.0	3192.4	3210.7	3224.5
15°	3119.0	3128.2	3151.1	3178.6	3192.4
17.5°	3059.4	3068.5	3100.6	3137.3	3155.7
20°	2986.0	3004.3	3045.6	3091.5	3114.4
22.5°	2912.6	2930.9	2981.4	3036.4	3064.0
25°	2825.4	2848.4	2908.0	2972.2	3008.9
27.5°	2733.7	2761.2	2830.0	2903.4	2944.7
30°	2637.4	2669.5	2742.9	2825.4	2866.7
32.5°	2536.5	2568.6	2651.1	2742.9	2788.7
35°	2435.6	2467.7	2554.8	2655.7	2706.2
37.5°	2325.5	2357.6	2449.3	2559.4	2614.5
40°	2210.8	2247.5	2343.8	2453.9	2513.5
42.5°	2091.6	2132.8	2229.2	2348.4	2408.0
45°	1972.3	2013.6	2114.5	2229.2	2293.4
47.5°	1857.6	1889.7	1990.7	2109.9	2174.1
50°	1738.4	1765.9	1866.8	1986.1	2050.3
52.5°	1610.0	1646.6	1743.0	1862.2	1921.9
55°	1486.1	1513.6	1614.5	1729.2	1788.8
57.5°	1357.7	1385.2	1481.5	1596.2	1651.2
60°	1233.8	1261.4	1348.5	1463.2	1518.2
62.5°	1096.2	1123.8	1210.9	1330.2	1385.2
65°	972.4	995.3	1073.3	1183.4	1247.6
67.5°	848.6	871.5	944.9	1050.4	1100.8
70°	724.7	743.1	816.4	912.8	967.8
72.5°	605.5	623.8	697.2	784.3	830.2
75°	486.2	509.1	573.3	660.5	701.8
77.5°	376.1	399.0	454.1	532.1	568.8
80°	275.2	293.6	344.0	403.6	435.7
82.5°	183.5	197.2	233.9	284.4	307.3
85°	100.9	105.5	133.0	165.1	174.3
87.5°	41.3	41.3	50.5	55.0	59.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)