

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: P385235

Luminaire Tested: **14ID-25-L835-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385235  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-25-L835-CNV  
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

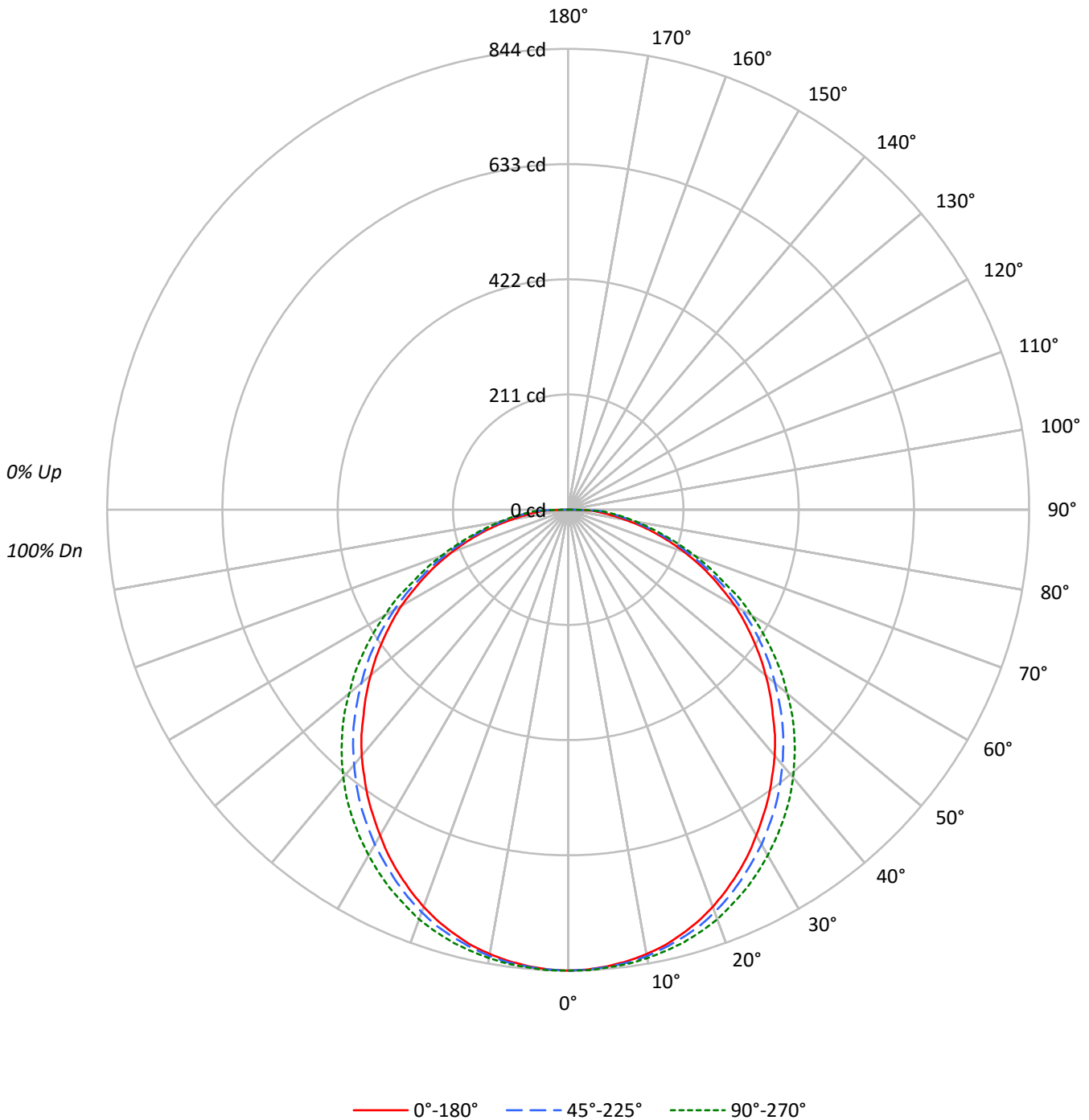
Lumens per Lamp: N/A  
Luminaire Lumens: 2448.2 lumens  
Efficiency: N/A  
Efficacy: 120.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 20.4  
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	108	103	99	94	105	101	97	93	96	93	90		93	90	87		89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74		81	76	72		78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62		71	65	61		68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28		40	33	28		38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

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

	0°	45°	90°
0°	2271	2271	2271
5°	2258	2241	2240
10°	2241	2211	2214
15°	2217	2174	2187
20°	2184	2132	2155
25°	2140	2080	2115
30°	2090	2027	2071
35°	2044	1971	2026
40°	1996	1906	1974
45°	1935	1841	1910
50°	1884	1759	1828
55°	1827	1678	1737
60°	1770	1578	1622
65°	1689	1454	1475
70°	1591	1319	1333
75°	1477	1170	1167
80°	1325	1011	1004
85°	1251	879	852



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.9	3.3
10°-20°	228.9	9.3
20°-30°	345.4	14.1
30°-40°	414.6	16.9
40°-50°	429.1	17.5
50°-60°	388.7	15.9
60°-70°	299.5	12.2
70°-80°	185.3	7.6
80°-90°	77.0	3.1
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°	654.1	26.7
0°-40°	1068.7	43.7
0°-60°	1886.5	77.1
0°-90°	2448.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2448.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	844	844	844	844	844	
5°	839	839	840	840	842	80
15°	805	806	811	816	820	227
25°	735	737	749	761	768	338
35°	640	646	662	680	689	400
45°	530	537	555	576	586	410
55°	412	419	433	452	458	369
65°	289	292	300	313	314	286
75°	164	168	174	182	182	174
85°	60	66	76	82	80	65
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	844.1	844.1	844.1	844.1	844.1
2.5°	842.8	842.8	842.8	842.8	844.1
5°	839.0	839.0	840.3	840.3	841.5
7.5°	833.9	833.9	836.5	836.5	839.0
10°	826.3	827.5	830.1	831.4	833.9
12.5°	817.4	817.4	821.2	825.0	827.5
15°	804.6	805.9	811.0	816.1	819.9
17.5°	790.6	791.9	799.5	804.6	809.7
20°	774.1	775.3	784.3	791.9	798.3
22.5°	755.0	757.5	767.7	777.9	783.0
25°	734.6	737.1	748.6	761.3	767.7
27.5°	713.0	716.8	728.2	742.2	749.9
30°	688.8	693.9	707.9	723.1	730.8
32.5°	664.6	669.7	684.9	702.8	710.4
35°	640.4	645.5	662.0	679.9	688.8
37.5°	613.7	618.7	636.6	655.7	665.9
40°	588.2	593.3	609.8	631.5	640.4
42.5°	560.2	565.3	583.1	603.5	613.7
45°	529.6	537.3	555.1	575.5	585.6
47.5°	501.6	508.0	524.5	546.2	556.4
50°	472.3	478.7	494.0	515.6	523.3
52.5°	443.1	449.4	464.7	485.1	492.7
55°	412.5	418.9	432.9	452.0	458.3
57.5°	383.2	388.3	401.0	418.9	424.0
60°	352.7	357.8	367.9	384.5	388.3
62.5°	319.6	323.4	334.8	350.1	355.2
65°	289.0	291.5	300.5	313.2	314.5
67.5°	257.2	259.7	268.6	277.5	281.4
70°	225.3	229.2	235.5	244.4	247.0
72.5°	194.8	198.6	205.0	212.6	213.9
75°	164.2	168.1	174.4	182.1	182.1
77.5°	135.0	138.8	146.4	152.8	152.8
80°	105.7	112.0	119.7	126.0	126.0
82.5°	81.5	86.6	96.8	101.9	101.9
85°	59.8	66.2	76.4	81.5	80.2
87.5°	43.3	49.7	58.6	62.4	61.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)