

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: P385289

Luminaire Tested: **22ID-20-L850-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385289  
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: 22ID-20-L850-CNV  
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

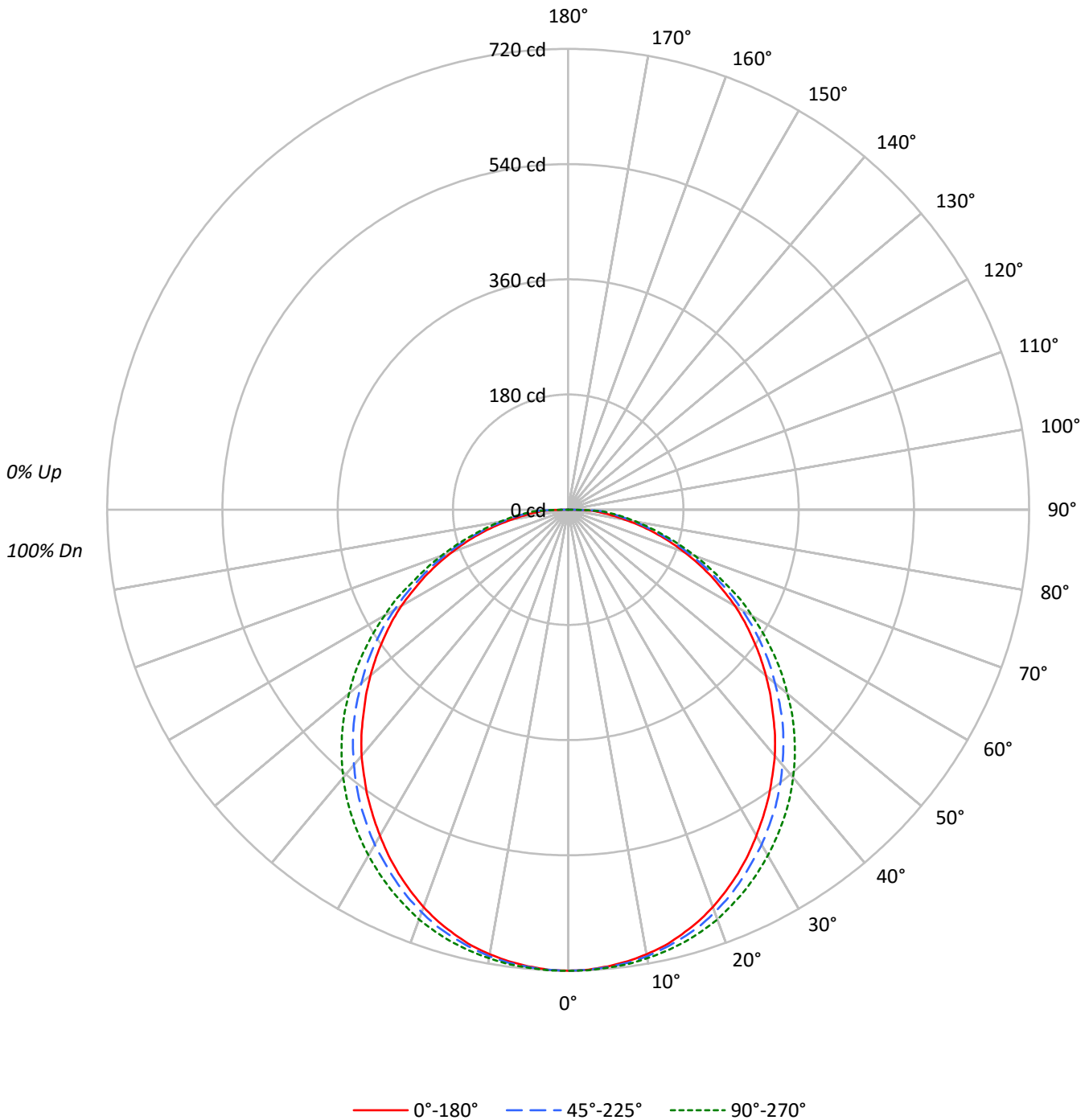
Lumens per Lamp: N/A  
Luminaire Lumens: 2089.5 lumens  
Efficiency: N/A  
Efficacy: 128.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 16.3  
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	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°	1939	1939	1939
5°	1920	1918	1926
10°	1899	1897	1917
15°	1871	1869	1907
20°	1836	1838	1894
25°	1792	1798	1873
30°	1743	1758	1849
35°	1697	1715	1825
40°	1648	1664	1795
45°	1588	1613	1756
50°	1535	1548	1701
55°	1476	1483	1640
60°	1416	1403	1559
65°	1333	1303	1450
70°	1231	1195	1350
75°	1112	1075	1232
80°	949	948	1132
85°	808	858	1083



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.2	3.3
10°-20°	195.3	9.3
20°-30°	294.8	14.1
30°-40°	353.8	16.9
40°-50°	366.2	17.5
50°-60°	331.7	15.9
60°-70°	255.6	12.2
70°-80°	158.2	7.6
80°-90°	65.7	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°	558.3	26.7
0°-40°	912.1	43.7
0°-60°	1610.1	77.1
0°-90°	2089.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2089.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	720	720	720	720	720	
5°	716	716	717	717	718	68
15°	687	688	692	696	700	194
25°	627	629	639	650	655	289
35°	547	551	565	580	588	342
45°	452	458	474	491	500	350
55°	352	358	369	386	391	315
65°	247	249	256	267	268	244
75°	140	143	149	155	155	148
85°	51	56	65	70	68	55
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	720.4	720.4	720.4	720.4	720.4
2.5°	719.3	719.3	719.3	719.3	720.4
5°	716.1	716.1	717.2	717.2	718.2
7.5°	711.7	711.7	713.9	713.9	716.1
10°	705.2	706.3	708.5	709.6	711.7
12.5°	697.6	697.6	700.9	704.1	706.3
15°	686.7	687.8	692.2	696.5	699.8
17.5°	674.8	675.9	682.4	686.7	691.1
20°	660.7	661.7	669.3	675.9	681.3
22.5°	644.4	646.5	655.2	663.9	668.3
25°	627.0	629.1	638.9	649.8	655.2
27.5°	608.5	611.8	621.5	633.5	640.0
30°	587.9	592.2	604.2	617.2	623.7
32.5°	567.2	571.6	584.6	599.8	606.3
35°	546.6	550.9	565.0	580.2	587.9
37.5°	523.7	528.1	543.3	559.6	568.3
40°	502.0	506.4	520.5	539.0	546.6
42.5°	478.1	482.5	497.7	515.0	523.7
45°	452.0	458.5	473.8	491.1	499.8
47.5°	428.1	433.6	447.7	466.2	474.8
50°	403.1	408.6	421.6	440.1	446.6
52.5°	378.1	383.6	396.6	414.0	420.5
55°	352.1	357.5	369.4	385.7	391.2
57.5°	327.1	331.4	342.3	357.5	361.8
60°	301.0	305.3	314.0	328.2	331.4
62.5°	272.7	276.0	285.8	298.8	303.2
65°	246.7	248.8	256.4	267.3	268.4
67.5°	219.5	221.7	229.3	236.9	240.1
70°	192.3	195.6	201.0	208.6	210.8
72.5°	166.3	169.5	174.9	181.5	182.5
75°	140.2	143.4	148.9	155.4	155.4
77.5°	115.2	118.4	125.0	130.4	130.4
80°	90.2	95.6	102.1	107.6	107.6
82.5°	69.5	73.9	82.6	86.9	86.9
85°	51.1	56.5	65.2	69.5	68.5
87.5°	36.9	42.4	50.0	53.2	52.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)