

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: P383751

Luminaire Tested: **14ID-60-L835-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383751  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)  
Test Lab: INNOVATION CENTER (G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-60-L835-CFR1  
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

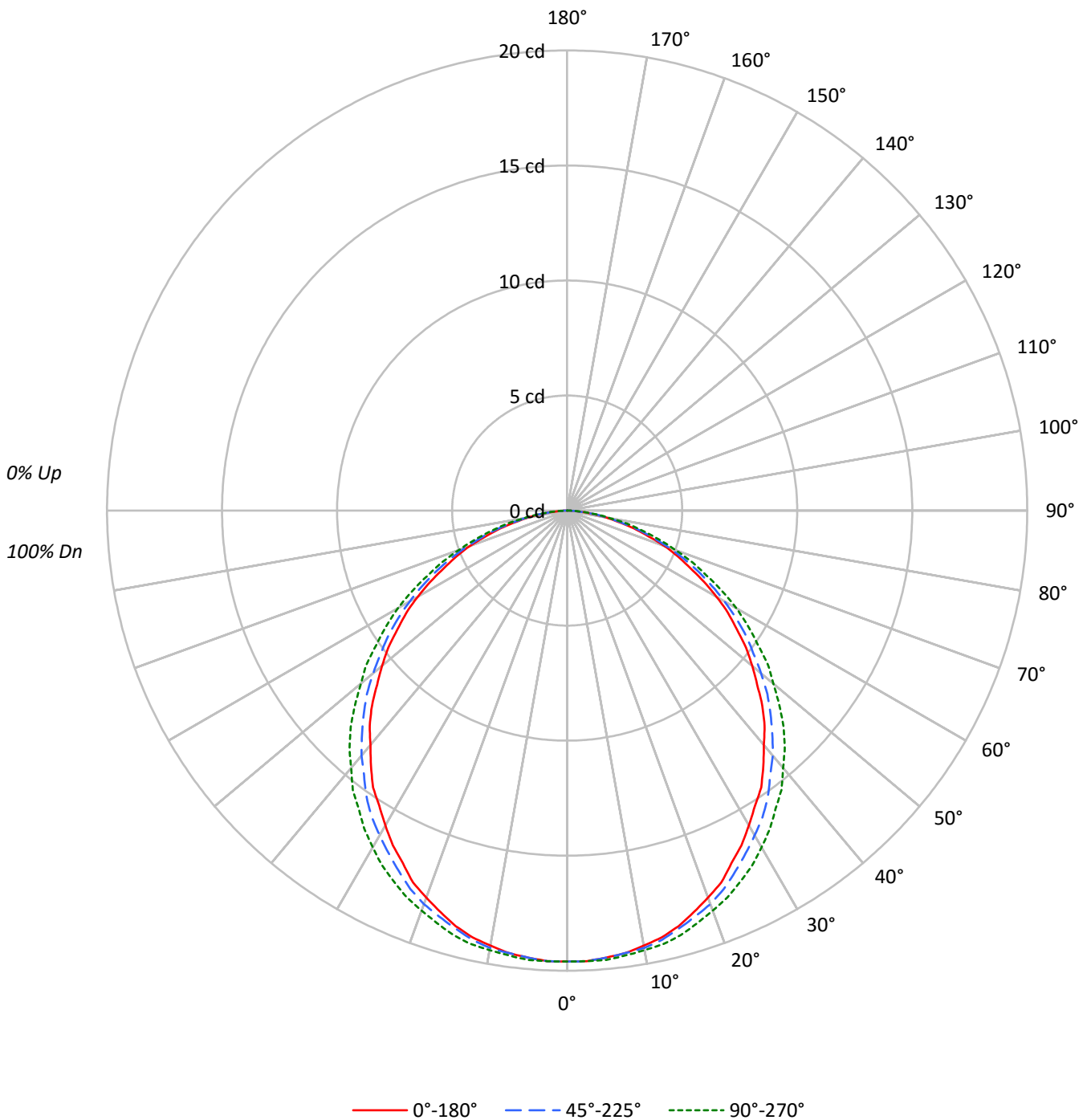
Lumens per Lamp: N/A  
Luminaire Lumens: 53.3 lumens  
Efficiency: N/A  
Efficacy: 1.0 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 53.3  
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	109	104	100	96	106	102	98	95	98	95	92		94	91	89		90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76		82	78	74		79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64		73	67	63		70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55		65	59	54		63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47		58	52	47		57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42		53	46	41		51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37		48	42	37		47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33		44	38	33		43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

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

	0°	45°	90°
0°	53	53	53
5°	53	53	53
10°	52	53	53
15°	52	52	53
20°	51	52	53
25°	50	51	53
30°	49	51	53
35°	48	50	52
40°	47	49	51
45°	46	48	51
50°	44	46	49
55°	42	45	47
60°	40	43	46
65°	38	40	43
70°	35	37	39
75°	31	33	35
80°	26	28	29
85°	19	19	22



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.9	3.5
10°-20°	5.3	10.0
20°-30°	8.0	15.0
30°-40°	9.5	17.8
40°-50°	9.7	18.2
50°-60°	8.5	16.0
60°-70°	6.3	11.7
70°-80°	3.4	6.4
80°-90°	0.8	1.5
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°	15.2	28.4
0°-40°	24.7	46.3
0°-60°	42.9	80.4
0°-90°	53.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	53.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20	20	20	20	20	
5°	20	20	20	20	20	2
15°	19	19	19	19	19	5
25°	17	17	17	18	18	8
35°	15	15	15	16	16	9
45°	12	12	12	13	13	9
55°	9	9	10	10	10	8
65°	6	6	6	6	7	6
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	19.6	19.6	19.6	19.6	19.6
2.5°	19.6	19.6	19.6	19.6	19.6
5°	19.5	19.5	19.5	19.5	19.6
7.5°	19.4	19.4	19.4	19.5	19.5
10°	19.2	19.2	19.3	19.4	19.4
12.5°	19.0	19.0	19.1	19.2	19.3
15°	18.7	18.7	18.8	19.0	19.1
17.5°	18.3	18.4	18.5	18.7	18.8
20°	17.9	18.0	18.2	18.4	18.5
22.5°	17.5	17.6	17.8	18.0	18.2
25°	16.9	17.1	17.3	17.6	17.8
27.5°	16.4	16.5	16.8	17.2	17.4
30°	15.8	16.0	16.3	16.7	16.9
32.5°	15.2	15.4	15.8	16.2	16.4
35°	14.7	14.8	15.2	15.6	15.8
37.5°	14.0	14.2	14.5	15.0	15.3
40°	13.3	13.5	13.9	14.4	14.6
42.5°	12.7	12.8	13.2	13.7	14.0
45°	12.0	12.1	12.5	13.0	13.3
47.5°	11.2	11.4	11.8	12.3	12.5
50°	10.5	10.6	11.0	11.5	11.7
52.5°	9.8	9.9	10.2	10.7	11.0
55°	9.0	9.1	9.5	9.9	10.1
57.5°	8.3	8.4	8.7	9.1	9.3
60°	7.5	7.6	7.9	8.3	8.5
62.5°	6.7	6.8	7.1	7.5	7.6
65°	5.9	6.0	6.3	6.5	6.7
67.5°	5.2	5.3	5.5	5.8	5.9
70°	4.5	4.5	4.7	4.9	5.0
72.5°	3.7	3.8	3.9	4.1	4.2
75°	3.0	3.1	3.2	3.3	3.4
77.5°	2.3	2.4	2.4	2.6	2.7
80°	1.7	1.7	1.8	1.9	1.9
82.5°	1.1	1.2	1.2	1.2	1.3
85°	0.6	0.6	0.6	0.7	0.7
87.5°	0.2	0.2	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)