

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: P383886

Luminaire Tested: **14ID-20-L830-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-20-L830-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

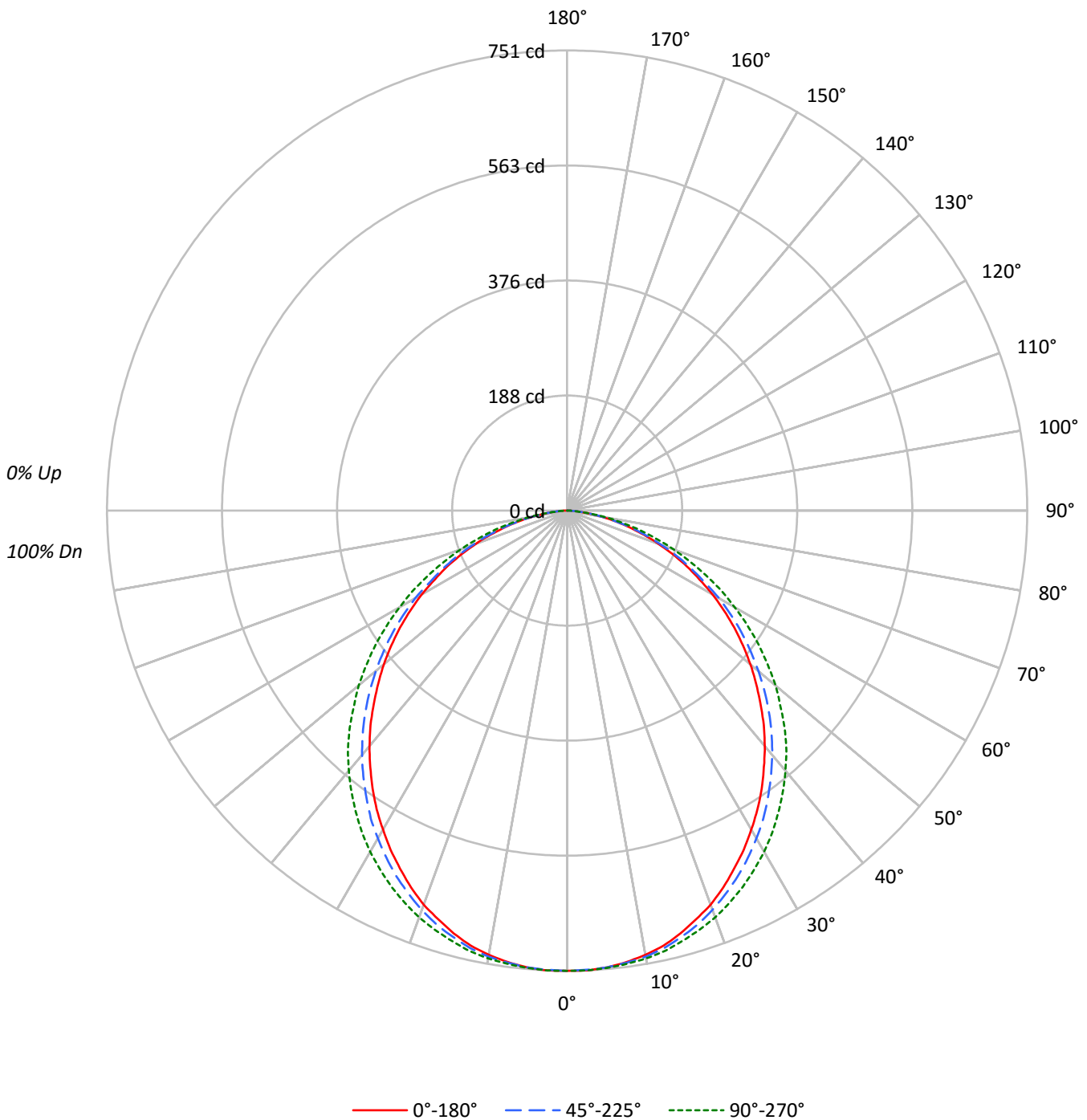
Lumens per Lamp: N/A
Luminaire Lumens: 1983.0 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.4
Input Voltage (V): NR
Input Current (A_{in}): 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	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2021	2021	2021
5°	2021	2021	2024
10°	2012	2020	2028
15°	1990	2007	2026
20°	1960	1986	2023
25°	1915	1956	2012
30°	1868	1920	1998
35°	1818	1877	1975
40°	1763	1829	1948
45°	1698	1773	1910
50°	1635	1706	1860
55°	1562	1632	1790
60°	1476	1540	1701
65°	1373	1417	1588
70°	1243	1290	1454
75°	1084	1126	1271
80°	877	893	1001
85°	522	584	491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	3.6
10°-20°	203.3	10.2
20°-30°	304.0	15.3
30°-40°	359.2	18.1
40°-50°	362.5	18.3
50°-60°	314.8	15.9
60°-70°	225.7	11.4
70°-80°	117.6	5.9
80°-90°	24.8	1.3
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°	578.4	29.2
0°-40°	937.6	47.3
0°-60°	1614.9	81.4
0°-90°	1983.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1983.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	751	751	751	751	751	
5°	748	747	748	748	749	71
15°	714	715	720	725	727	201
25°	645	649	659	672	678	297
35°	554	557	571	592	601	346
45°	446	451	466	490	502	345
55°	333	336	348	371	382	297
65°	216	215	223	240	249	213
75°	104	103	108	116	122	111
85°	17	19	19	17	16	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	751.2	751.2	751.2	751.2	751.2
2.5°	751.2	750.2	750.2	750.2	751.2
5°	748.2	747.2	748.2	748.2	749.2
7.5°	743.2	742.2	744.2	745.2	746.2
10°	736.3	736.3	739.3	741.3	742.2
12.5°	727.3	727.3	731.3	734.3	736.3
15°	714.4	715.4	720.4	725.4	727.3
17.5°	699.5	702.5	708.5	715.4	717.4
20°	684.6	686.6	693.6	702.5	706.5
22.5°	665.7	668.7	676.7	688.6	692.6
25°	644.9	648.8	658.8	671.7	677.7
27.5°	624.0	627.0	638.9	653.8	660.8
30°	601.1	605.1	618.0	634.9	642.9
32.5°	578.3	581.3	596.2	614.1	623.0
35°	553.5	557.4	571.3	592.2	601.1
37.5°	527.6	532.6	546.5	568.4	578.3
40°	501.8	504.8	520.7	542.5	554.4
42.5°	475.0	478.9	493.8	517.7	529.6
45°	446.1	451.1	466.0	489.9	501.8
47.5°	418.3	423.3	437.2	461.0	472.0
50°	390.5	393.5	407.4	431.2	444.2
52.5°	361.7	364.7	377.6	400.4	412.4
55°	332.9	335.8	347.8	370.6	381.6
57.5°	303.1	305.0	317.0	337.8	348.8
60°	274.2	275.2	286.2	305.0	316.0
62.5°	243.4	244.4	252.4	274.2	284.2
65°	215.6	214.6	222.6	239.5	249.4
67.5°	186.8	186.8	193.8	208.7	216.6
70°	158.0	158.0	163.9	176.9	184.8
72.5°	131.2	131.2	136.1	146.1	152.0
75°	104.3	103.3	108.3	116.3	122.2
77.5°	79.5	79.5	81.5	88.4	92.4
80°	56.6	56.6	57.6	61.6	64.6
82.5°	35.8	35.8	35.8	37.8	38.8
85°	16.9	18.9	18.9	16.9	15.9
87.5°	7.9	7.9	7.0	7.0	7.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)