

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: P383802

Luminaire Tested: **22ID-55-L830-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383802
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: 22ID-55-L830-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

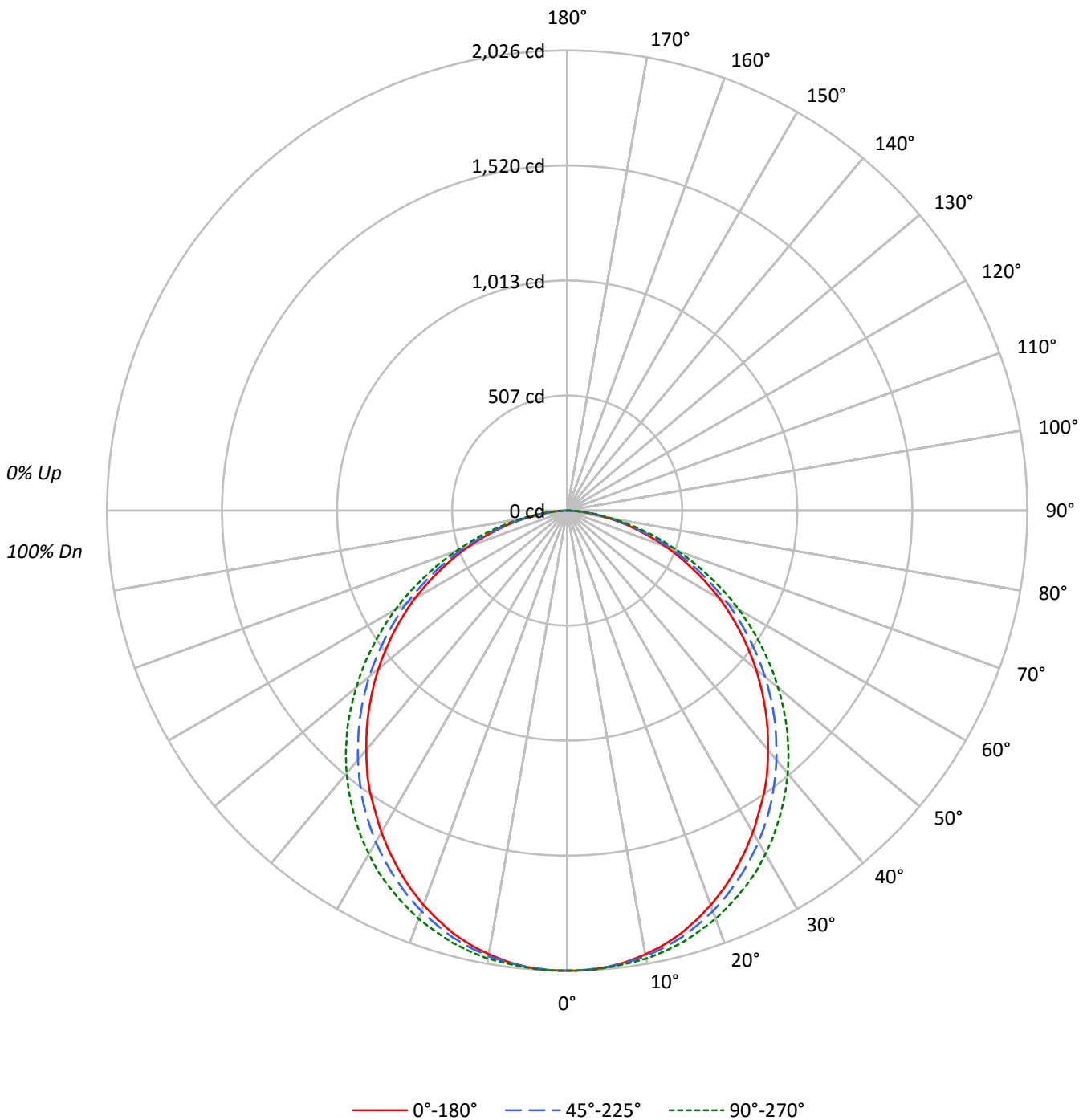
Lumens per Lamp: N/A
Luminaire Lumens: 5501.9 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 45.9
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	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°	5451	5451	5451
5°	5450	5450	5457
10°	5422	5445	5475
15°	5374	5420	5482
20°	5294	5373	5477
25°	5193	5308	5456
30°	5082	5237	5426
35°	4973	5146	5373
40°	4832	5036	5308
45°	4697	4908	5213
50°	4542	4762	5075
55°	4363	4583	4908
60°	4170	4394	4707
65°	3894	4124	4406
70°	3615	3810	4072
75°	3223	3396	3683
80°	2703	2831	3088
85°	2050	2050	2306



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.7	3.5
10°-20°	548.6	10.0
20°-30°	824.9	15.0
30°-40°	981.3	17.8
40°-50°	998.5	18.1
50°-60°	878.8	16.0
60°-70°	644.6	11.7
70°-80°	349.9	6.4
80°-90°	83.5	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°	1565.3	28.5
0°-40°	2546.6	46.3
0°-60°	4423.9	80.4
0°-90°	5501.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5501.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2026	2026	2026	2026	2026	
5°	2018	2015	2018	2018	2020	192
15°	1929	1932	1946	1957	1968	543
25°	1749	1760	1788	1818	1838	806
35°	1514	1525	1566	1614	1636	945
45°	1234	1245	1290	1345	1370	952
55°	930	944	977	1024	1046	832
65°	612	623	648	675	692	608
75°	310	316	327	343	354	329
85°	66	66	66	72	75	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2025.8	2025.8	2025.8	2025.8	2025.8
2.5°	2025.8	2023.1	2023.1	2023.1	2025.8
5°	2017.5	2014.8	2017.5	2017.5	2020.3
7.5°	2003.7	2000.9	2006.5	2009.2	2012.0
10°	1984.3	1984.3	1992.6	1998.2	2003.7
12.5°	1959.4	1962.2	1970.5	1978.8	1987.1
15°	1929.0	1931.7	1945.6	1956.7	1967.7
17.5°	1890.2	1895.8	1912.4	1929.0	1940.1
20°	1848.7	1857.0	1876.4	1898.5	1912.4
22.5°	1801.7	1812.7	1834.9	1862.6	1876.4
25°	1749.1	1760.2	1787.8	1818.3	1837.7
27.5°	1693.7	1707.6	1738.0	1774.0	1796.1
30°	1635.6	1649.5	1685.4	1724.2	1746.3
32.5°	1572.0	1588.6	1627.3	1671.6	1693.7
35°	1513.8	1524.9	1566.4	1613.5	1635.6
37.5°	1447.4	1461.3	1500.0	1549.8	1574.7
40°	1375.5	1389.3	1433.6	1483.4	1511.1
42.5°	1306.3	1317.4	1361.6	1417.0	1441.9
45°	1234.3	1245.4	1289.7	1345.0	1369.9
47.5°	1159.6	1173.4	1215.0	1267.5	1292.4
50°	1084.9	1095.9	1137.5	1187.3	1212.2
52.5°	1007.4	1018.5	1057.2	1107.0	1131.9
55°	929.9	943.7	976.9	1024.0	1046.1
57.5°	852.4	866.2	896.7	941.0	960.3
60°	774.9	786.0	816.4	855.2	874.5
62.5°	691.9	700.2	730.6	769.4	786.0
65°	611.6	622.7	647.6	675.3	691.9
67.5°	536.9	542.4	564.6	595.0	606.1
70°	459.4	464.9	484.3	509.2	517.5
72.5°	381.9	390.2	404.1	426.2	437.3
75°	310.0	315.5	326.6	343.2	354.2
77.5°	240.8	243.5	251.8	265.7	274.0
80°	174.4	177.1	182.7	193.7	199.3
82.5°	116.2	119.0	121.8	127.3	132.8
85°	66.4	66.4	66.4	72.0	74.7
87.5°	24.9	22.1	22.1	22.1	22.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)