

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: P383858

Luminaire Tested: **24ID-60-L830-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383858
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: 24ID-60-L830-CFR1
Description: 2X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

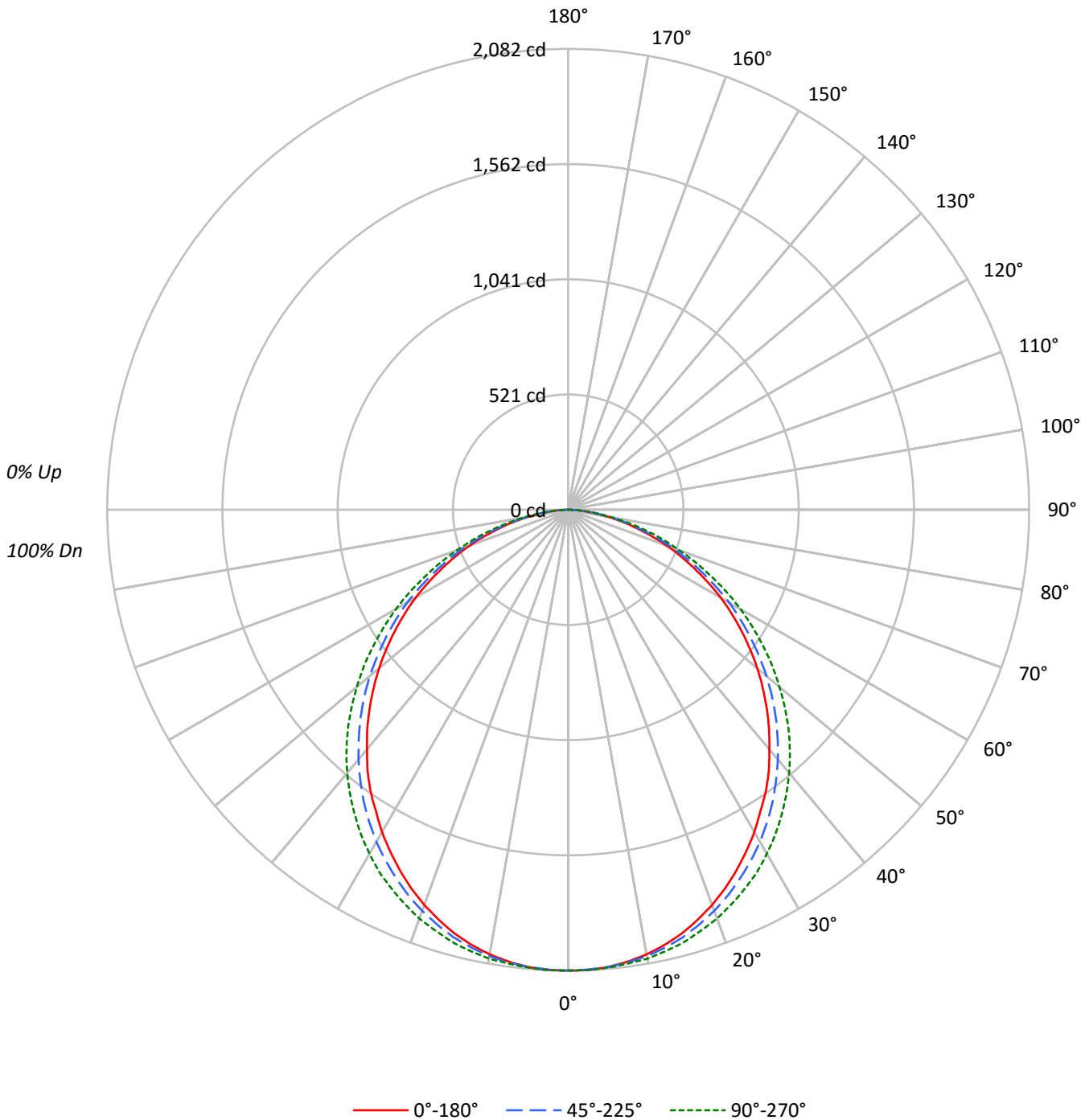
Lumens per Lamp: N/A
Luminaire Lumens: 5654.8 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 54.5
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



TEST NUMBER: P383858
CATALOG NUMBER: 24ID-60-L830-CFR1

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°	2801	2801	2801
5°	2801	2801	2805
10°	2786	2798	2814
15°	2762	2785	2817
20°	2721	2761	2814
25°	2669	2728	2804
30°	2612	2691	2789
35°	2556	2644	2761
40°	2483	2588	2728
45°	2414	2522	2679
50°	2334	2447	2608
55°	2242	2355	2522
60°	2143	2258	2419
65°	2001	2119	2264
70°	1858	1958	2092
75°	1656	1745	1893
80°	1389	1454	1587
85°	1054	1054	1186



TEST NUMBER: P383858

CATALOG NUMBER: 24ID-60-L830-CFR1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.1	3.5
10°-20°	563.9	10.0
20°-30°	847.8	15.0
30°-40°	1008.6	17.8
40°-50°	1026.3	18.1
50°-60°	903.2	16.0
60°-70°	662.5	11.7
70°-80°	359.6	6.4
80°-90°	85.8	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°	1608.8	28.4
0°-40°	2617.4	46.3
0°-60°	4546.8	80.4
0°-90°	5654.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5654.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2082	2082	2082	2082	2082	
5°	2074	2071	2074	2074	2076	197
15°	1983	1985	2000	2011	2022	558
25°	1798	1809	1838	1869	1889	828
35°	1556	1567	1610	1658	1681	972
45°	1269	1280	1326	1382	1408	978
55°	956	970	1004	1052	1075	855
65°	629	640	666	694	711	625
75°	319	324	336	353	364	339
85°	68	68	68	74	77	82
90°	0	0	0	0	0	



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CATALOG NUMBER: 24ID-60-L830-CFR1

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2082.1	2082.1	2082.1	2082.1	2082.1
2.5°	2082.1	2079.3	2079.3	2079.3	2082.1
5°	2073.6	2070.8	2073.6	2073.6	2076.5
7.5°	2059.4	2056.5	2062.2	2065.1	2067.9
10°	2039.5	2039.5	2048.0	2053.7	2059.4
12.5°	2013.9	2016.7	2025.3	2033.8	2042.3
15°	1982.6	1985.4	1999.7	2011.0	2022.4
17.5°	1942.8	1948.5	1965.5	1982.6	1994.0
20°	1900.1	1908.6	1928.5	1951.3	1965.5
22.5°	1851.7	1863.1	1885.9	1914.3	1928.5
25°	1797.7	1809.1	1837.5	1868.8	1888.7
27.5°	1740.8	1755.0	1786.3	1823.3	1846.1
30°	1681.1	1695.3	1732.3	1772.1	1794.9
32.5°	1615.7	1632.7	1672.5	1718.1	1740.8
35°	1555.9	1567.3	1610.0	1658.3	1681.1
37.5°	1487.7	1501.9	1541.7	1592.9	1618.5
40°	1413.7	1427.9	1473.4	1524.6	1553.1
42.5°	1342.6	1354.0	1399.5	1456.4	1482.0
45°	1268.6	1280.0	1325.5	1382.4	1408.0
47.5°	1191.8	1206.1	1248.7	1302.8	1328.4
50°	1115.0	1126.4	1169.1	1220.3	1245.9
52.5°	1035.4	1046.8	1086.6	1137.8	1163.4
55°	955.7	970.0	1004.1	1052.4	1075.2
57.5°	876.1	890.3	921.6	967.1	987.0
60°	796.4	807.8	839.1	878.9	898.8
62.5°	711.1	719.6	750.9	790.8	807.8
65°	628.6	640.0	665.6	694.0	711.1
67.5°	551.8	557.5	580.3	611.6	622.9
70°	472.2	477.9	497.8	523.4	531.9
72.5°	392.5	401.1	415.3	438.0	449.4
75°	318.6	324.3	335.6	352.7	364.1
77.5°	247.5	250.3	258.8	273.1	281.6
80°	179.2	182.0	187.7	199.1	204.8
82.5°	119.5	122.3	125.2	130.8	136.5
85°	68.3	68.3	68.3	74.0	76.8
87.5°	25.6	22.8	22.8	22.8	22.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)