

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: P385262

Luminaire Tested: **14ID-60-L830-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385262
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: 14ID-60-L830-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

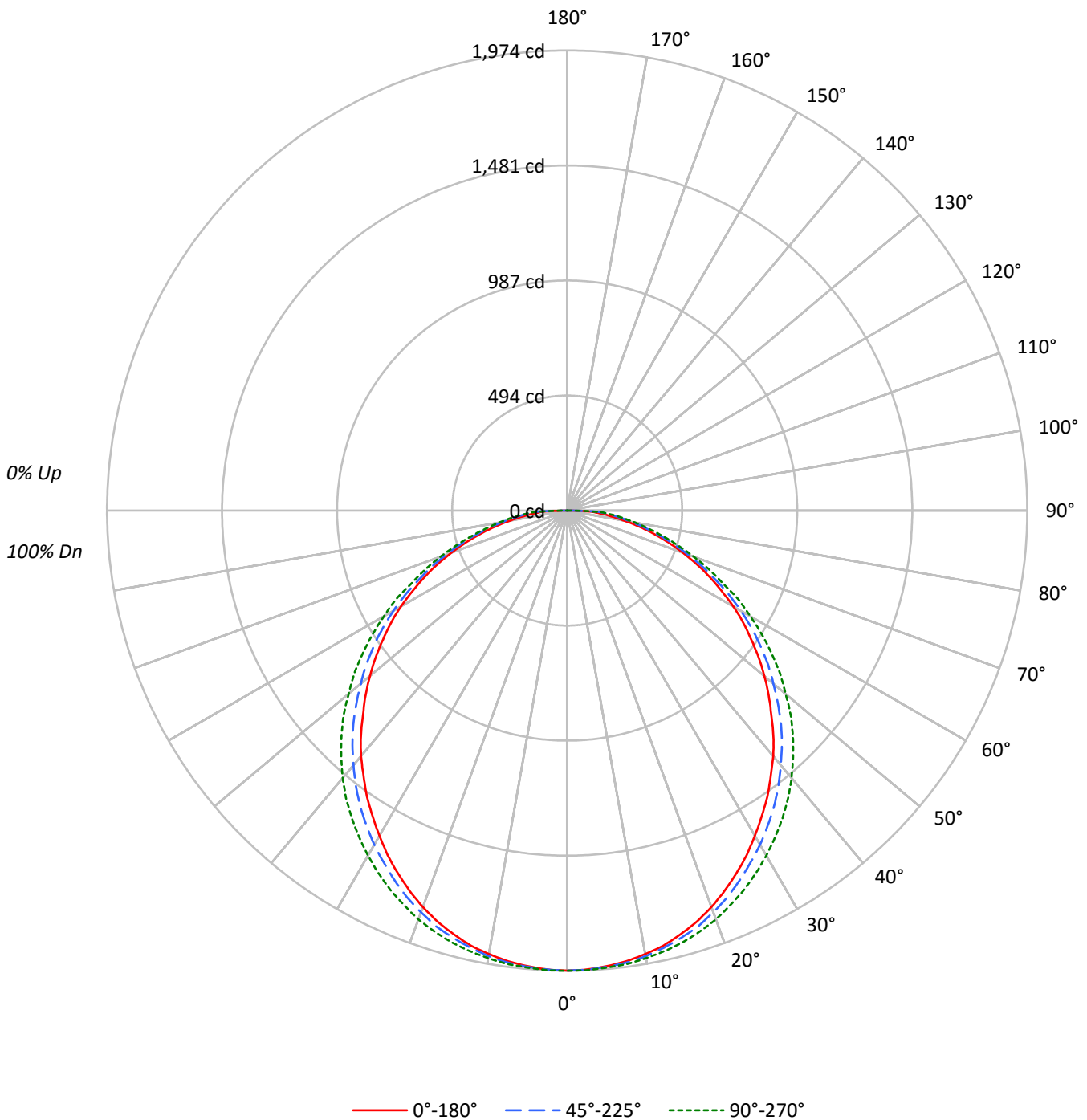
Lumens per Lamp: N/A
Luminaire Lumens: 5724.7 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 53.3
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	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°	5311	5311	5311
5°	5280	5240	5239
10°	5241	5169	5176
15°	5184	5083	5113
20°	5106	4984	5040
25°	5003	4863	4946
30°	4887	4740	4844
35°	4780	4610	4738
40°	4668	4458	4615
45°	4524	4305	4467
50°	4405	4114	4274
55°	4271	3923	4061
60°	4139	3689	3792
65°	3950	3400	3449
70°	3720	3084	3117
75°	3455	2736	2729
80°	3097	2362	2348
85°	2926	2055	1994



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.8	3.3
10°-20°	535.2	9.3
20°-30°	807.7	14.1
30°-40°	969.4	16.9
40°-50°	1003.3	17.5
50°-60°	908.9	15.9
60°-70°	700.3	12.2
70°-80°	433.3	7.6
80°-90°	180.0	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°	1529.6	26.7
0°-40°	2499.0	43.7
0°-60°	4411.2	77.1
0°-90°	5724.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5724.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1974	1974	1974	1974	1974	
5°	1962	1962	1965	1965	1968	186
15°	1882	1884	1896	1908	1917	531
25°	1718	1724	1750	1780	1795	791
35°	1497	1509	1548	1590	1611	936
45°	1238	1256	1298	1346	1369	958
55°	965	979	1012	1057	1072	864
65°	676	682	703	732	735	668
75°	384	393	408	426	426	407
85°	140	155	179	190	188	151
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1973.8	1973.8	1973.8	1973.8	1973.8
2.5°	1970.8	1970.8	1970.8	1970.8	1973.8
5°	1961.9	1961.9	1964.8	1964.8	1967.8
7.5°	1949.9	1949.9	1955.9	1955.9	1961.9
10°	1932.1	1935.1	1941.0	1944.0	1949.9
12.5°	1911.2	1911.2	1920.2	1929.1	1935.1
15°	1881.5	1884.5	1896.4	1908.3	1917.2
17.5°	1848.7	1851.7	1869.6	1881.5	1893.4
20°	1810.0	1813.0	1833.8	1851.7	1866.6
22.5°	1765.4	1771.3	1795.1	1819.0	1830.9
25°	1717.7	1723.7	1750.5	1780.3	1795.1
27.5°	1667.1	1676.1	1702.9	1735.6	1753.5
30°	1610.6	1622.5	1655.2	1690.9	1708.8
32.5°	1554.0	1565.9	1601.6	1643.3	1661.2
35°	1497.4	1509.3	1548.0	1589.7	1610.6
37.5°	1434.9	1446.8	1488.5	1533.2	1557.0
40°	1375.4	1387.3	1426.0	1476.6	1497.4
42.5°	1309.9	1321.8	1363.5	1411.1	1434.9
45°	1238.4	1256.3	1298.0	1345.6	1369.4
47.5°	1172.9	1187.8	1226.5	1277.1	1301.0
50°	1104.5	1119.4	1155.1	1205.7	1223.6
52.5°	1036.0	1050.9	1086.6	1134.2	1152.1
55°	964.6	979.4	1012.2	1056.8	1071.7
57.5°	896.1	908.0	937.8	979.4	991.3
60°	824.6	836.5	860.4	899.1	908.0
62.5°	747.2	756.2	783.0	818.7	830.6
65°	675.8	681.7	702.6	732.3	735.3
67.5°	601.4	607.3	628.2	649.0	657.9
70°	526.9	535.9	550.7	571.6	577.5
72.5°	455.5	464.4	479.3	497.2	500.1
75°	384.0	393.0	407.9	425.7	425.7
77.5°	315.6	324.5	342.4	357.2	357.2
80°	247.1	262.0	279.8	294.7	294.7
82.5°	190.5	202.4	226.3	238.2	238.2
85°	139.9	154.8	178.6	190.5	187.6
87.5°	101.2	116.1	136.9	145.9	142.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)