

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: P385260

Luminaire Tested: **14ID-55-L840-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385260
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-55-L840-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

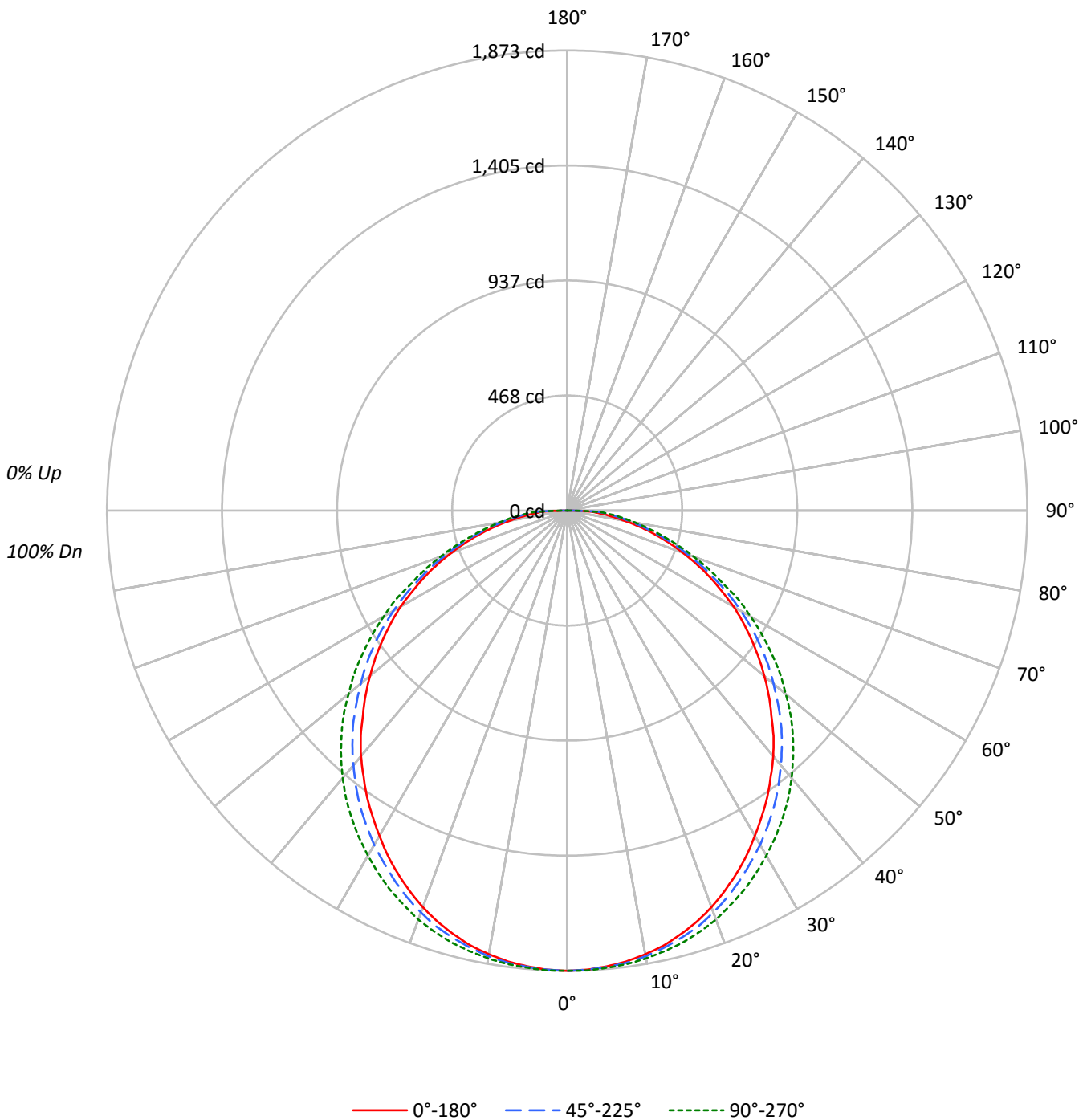
Lumens per Lamp: N/A
Luminaire Lumens: 5433.5 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 48.2
Input Voltage (V): NR
Input Current (Ain): 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°	5041	5041	5041
5°	5012	4973	4973
10°	4974	4907	4913
15°	4920	4824	4853
20°	4846	4731	4783
25°	4749	4616	4694
30°	4638	4499	4597
35°	4537	4375	4497
40°	4431	4232	4380
45°	4294	4087	4240
50°	4181	3904	4056
55°	4054	3724	3855
60°	3929	3501	3599
65°	3749	3226	3274
70°	3531	2928	2958
75°	3280	2597	2590
80°	2939	2242	2228
85°	2777	1950	1892



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.3	3.3
10°-20°	508.0	9.3
20°-30°	766.6	14.1
30°-40°	920.1	16.9
40°-50°	952.2	17.5
50°-60°	862.7	15.9
60°-70°	664.6	12.2
70°-80°	411.3	7.6
80°-90°	170.8	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°	1451.8	26.7
0°-40°	2371.9	43.7
0°-60°	4186.8	77.1
0°-90°	5433.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5433.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1873	1873	1873	1873	1873	
5°	1862	1862	1865	1865	1868	177
15°	1786	1789	1800	1811	1820	504
25°	1630	1636	1661	1690	1704	751
35°	1421	1433	1469	1509	1529	889
45°	1175	1192	1232	1277	1300	909
55°	916	930	961	1003	1017	820
65°	641	647	667	695	698	634
75°	364	373	387	404	404	386
85°	133	147	170	181	178	143
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1873.4	1873.4	1873.4	1873.4	1873.4
2.5°	1870.5	1870.5	1870.5	1870.5	1873.4
5°	1862.1	1862.1	1864.9	1864.9	1867.7
7.5°	1850.8	1850.8	1856.4	1856.4	1862.1
10°	1833.8	1836.6	1842.3	1845.1	1850.8
12.5°	1814.0	1814.0	1822.5	1831.0	1836.6
15°	1785.8	1788.6	1799.9	1811.2	1819.7
17.5°	1754.7	1757.5	1774.5	1785.8	1797.1
20°	1718.0	1720.8	1740.6	1757.5	1771.6
22.5°	1675.6	1681.2	1703.8	1726.4	1737.7
25°	1630.4	1636.0	1661.4	1689.7	1703.8
27.5°	1582.3	1590.8	1616.2	1647.3	1664.3
30°	1528.6	1539.9	1571.0	1604.9	1621.9
32.5°	1475.0	1486.3	1520.2	1559.7	1576.7
35°	1421.3	1432.6	1469.3	1508.9	1528.6
37.5°	1361.9	1373.2	1412.8	1455.2	1477.8
40°	1305.4	1316.7	1353.5	1401.5	1421.3
42.5°	1243.3	1254.6	1294.1	1339.3	1361.9
45°	1175.4	1192.4	1232.0	1277.2	1299.8
47.5°	1113.3	1127.4	1164.1	1212.2	1234.8
50°	1048.3	1062.4	1096.3	1144.4	1161.3
52.5°	983.3	997.4	1031.3	1076.5	1093.5
55°	915.5	929.6	960.7	1003.1	1017.2
57.5°	850.5	861.8	890.1	929.6	940.9
60°	782.7	794.0	816.6	853.3	861.8
62.5°	709.2	717.7	743.1	777.0	788.3
65°	641.4	647.1	666.8	695.1	697.9
67.5°	570.8	576.4	596.2	616.0	624.5
70°	500.1	508.6	522.7	542.5	548.2
72.5°	432.3	440.8	454.9	471.9	474.7
75°	364.5	373.0	387.1	404.1	404.1
77.5°	299.5	308.0	324.9	339.1	339.1
80°	234.5	248.7	265.6	279.7	279.7
82.5°	180.8	192.1	214.7	226.0	226.0
85°	132.8	146.9	169.5	180.8	178.0
87.5°	96.1	110.2	130.0	138.5	135.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)