

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: P385264

Luminaire Tested: **14ID-60-L840-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385264
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-L840-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

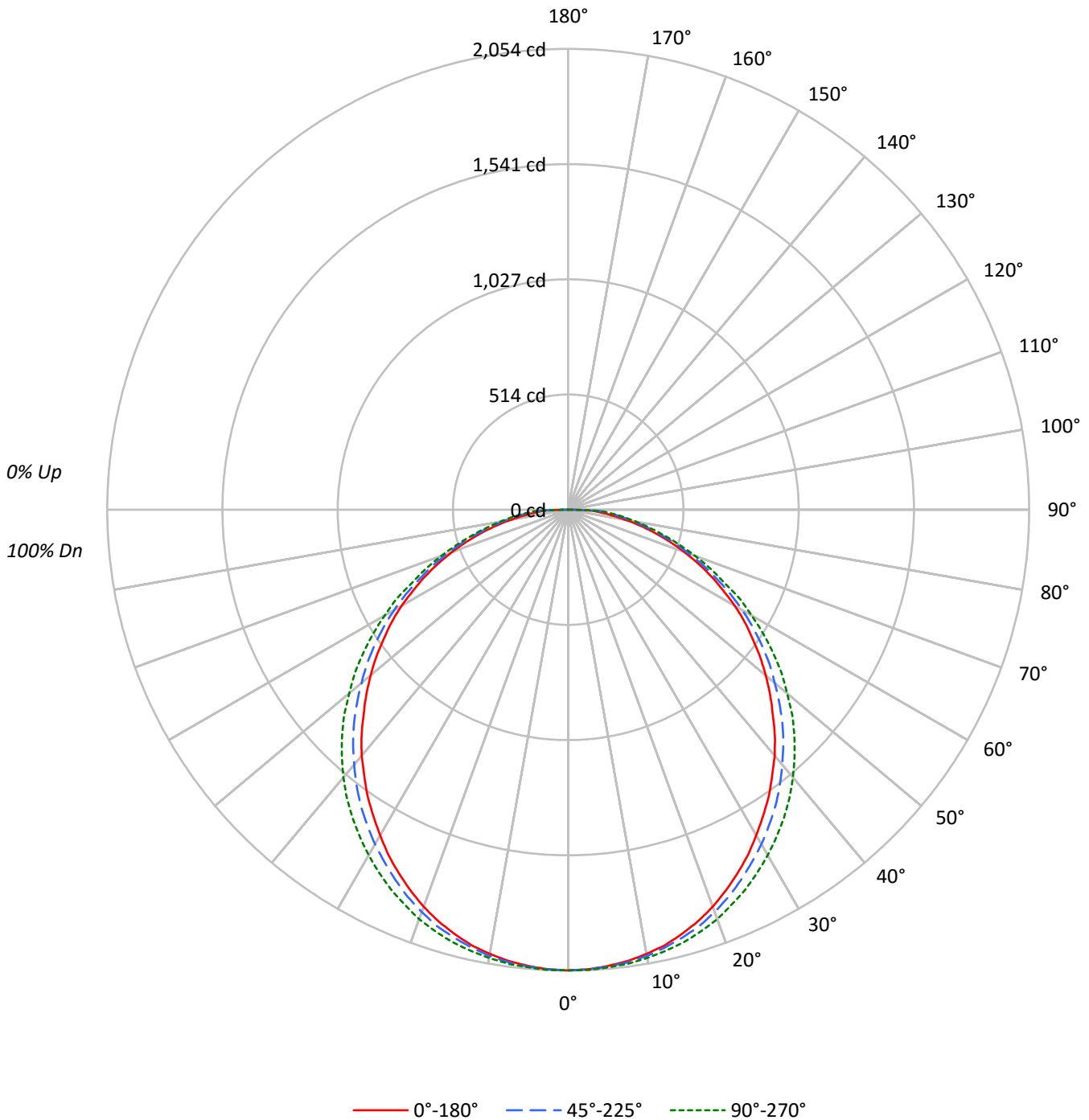
Lumens per Lamp: N/A
Luminaire Lumens: 5956.0 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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°	5526	5526	5526
5°	5494	5452	5451
10°	5453	5378	5385
15°	5393	5288	5319
20°	5312	5186	5243
25°	5205	5060	5146
30°	5084	4932	5039
35°	4973	4796	4929
40°	4857	4638	4801
45°	4707	4479	4648
50°	4583	4280	4446
55°	4444	4082	4225
60°	4307	3838	3945
65°	4110	3537	3588
70°	3870	3209	3243
75°	3596	2847	2839
80°	3223	2458	2443
85°	3045	2137	2074



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.3	3.3
10°-20°	556.8	9.3
20°-30°	840.3	14.1
30°-40°	1008.6	16.9
40°-50°	1043.8	17.5
50°-60°	945.6	15.9
60°-70°	728.5	12.2
70°-80°	450.8	7.6
80°-90°	187.2	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°	1591.4	26.7
0°-40°	2600.0	43.7
0°-60°	4589.4	77.1
0°-90°	5956.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5956.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2054	2054	2054	2054	2054	
5°	2041	2041	2044	2044	2047	194
15°	1958	1961	1973	1985	1995	552
25°	1787	1793	1821	1852	1868	823
35°	1558	1570	1611	1654	1676	974
45°	1288	1307	1350	1400	1425	996
55°	1004	1019	1053	1100	1115	899
65°	703	709	731	762	765	695
75°	400	409	424	443	443	423
85°	146	161	186	198	195	157
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2053.5	2053.5	2053.5	2053.5	2053.5
2.5°	2050.4	2050.4	2050.4	2050.4	2053.5
5°	2041.1	2041.1	2044.2	2044.2	2047.3
7.5°	2028.7	2028.7	2034.9	2034.9	2041.1
10°	2010.1	2013.2	2019.4	2022.5	2028.7
12.5°	1988.5	1988.5	1997.8	2007.0	2013.2
15°	1957.5	1960.6	1973.0	1985.4	1994.7
17.5°	1923.4	1926.5	1945.1	1957.5	1969.9
20°	1883.2	1886.3	1907.9	1926.5	1942.0
22.5°	1836.7	1842.9	1867.7	1892.4	1904.8
25°	1787.1	1793.3	1821.2	1852.2	1867.7
27.5°	1734.5	1743.8	1771.7	1805.7	1824.3
30°	1675.6	1688.0	1722.1	1759.3	1777.8
32.5°	1616.8	1629.2	1666.3	1709.7	1728.3
35°	1557.9	1570.3	1610.6	1654.0	1675.6
37.5°	1492.9	1505.3	1548.6	1595.1	1619.9
40°	1431.0	1443.3	1483.6	1536.3	1557.9
42.5°	1362.8	1375.2	1418.6	1468.1	1492.9
45°	1288.5	1307.1	1350.4	1400.0	1424.8
47.5°	1220.3	1235.8	1276.1	1328.7	1353.5
50°	1149.1	1164.6	1201.8	1254.4	1273.0
52.5°	1077.9	1093.3	1130.5	1180.1	1198.7
55°	1003.5	1019.0	1053.1	1099.5	1115.0
57.5°	932.3	944.7	975.6	1019.0	1031.4
60°	858.0	870.3	895.1	935.4	944.7
62.5°	777.4	786.7	814.6	851.8	864.1
65°	703.1	709.3	731.0	761.9	765.0
67.5°	625.7	631.8	653.5	675.2	684.5
70°	548.2	557.5	573.0	594.7	600.9
72.5°	473.9	483.2	498.7	517.2	520.3
75°	399.6	408.8	424.3	442.9	442.9
77.5°	328.3	337.6	356.2	371.7	371.7
80°	257.1	272.6	291.1	306.6	306.6
82.5°	198.2	210.6	235.4	247.8	247.8
85°	145.6	161.1	185.8	198.2	195.1
87.5°	105.3	120.8	142.5	151.8	148.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)