

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: P383920

Luminaire Tested: **14ID-60-L840-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-60-L840-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

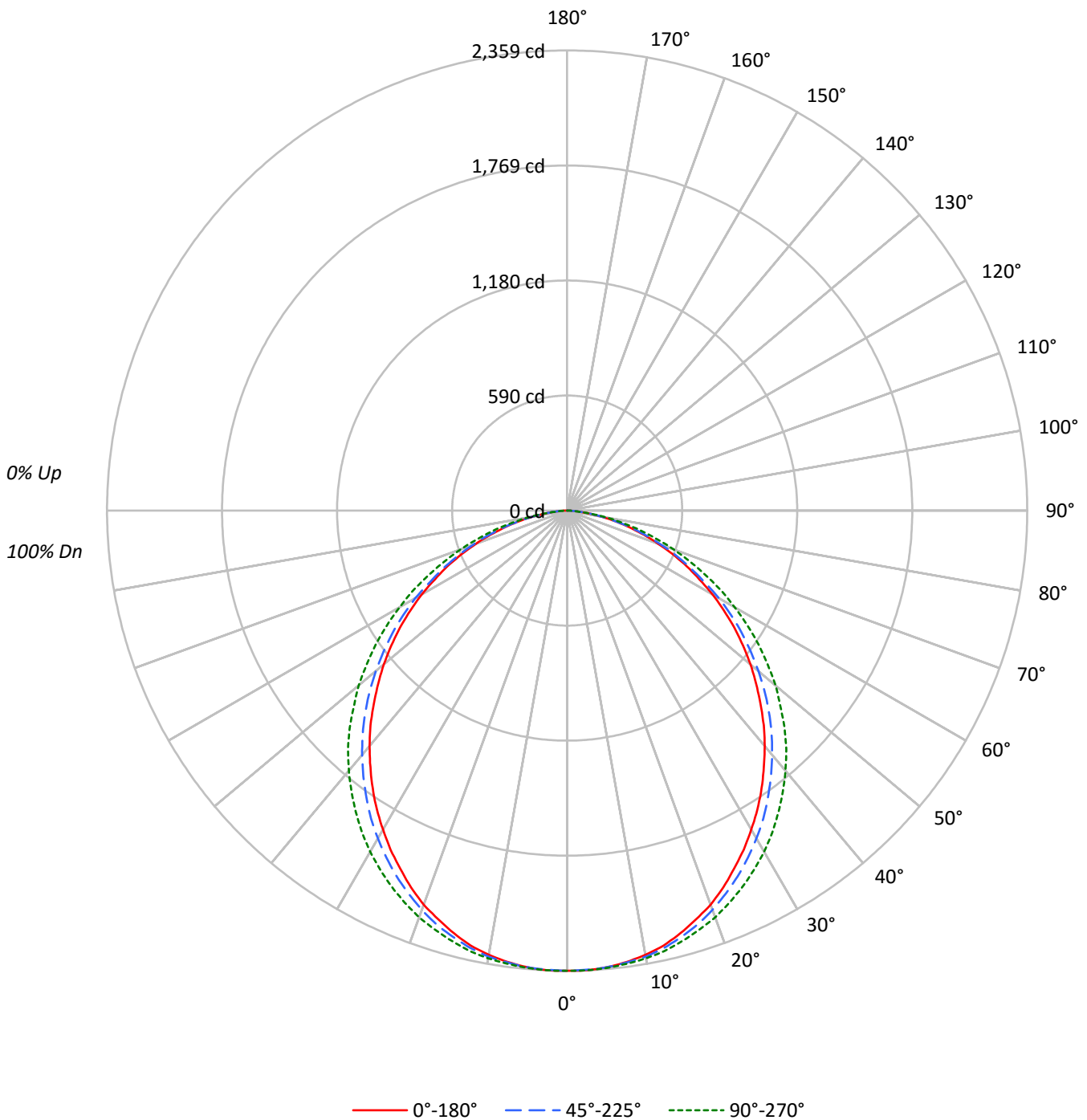
Lumens per Lamp: N/A
Luminaire Lumens: 6228.0 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6349	6349	6349
5°	6348	6348	6356
10°	6319	6344	6370
15°	6251	6303	6364
20°	6157	6238	6354
25°	6013	6143	6319
30°	5867	6032	6274
35°	5710	5895	6202
40°	5536	5744	6117
45°	5332	5570	5998
50°	5134	5357	5840
55°	4905	5124	5622
60°	4635	4837	5341
65°	4312	4451	4988
70°	3904	4051	4567
75°	3407	3537	3990
80°	2757	2805	3143
85°	1639	1831	1541



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.3	3.6
10°-20°	638.4	10.2
20°-30°	954.9	15.3
30°-40°	1128.2	18.1
40°-50°	1138.4	18.3
50°-60°	988.6	15.9
60°-70°	708.9	11.4
70°-80°	369.3	5.9
80°-90°	77.9	1.3
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°	1816.6	29.2
0°-40°	2944.8	47.3
0°-60°	5071.8	81.4
0°-90°	6228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6228.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2359	2359	2359	2359	2359	
5°	2350	2347	2350	2350	2353	223
15°	2244	2247	2262	2278	2284	632
25°	2025	2038	2069	2110	2128	933
35°	1738	1751	1794	1860	1888	1087
45°	1401	1417	1464	1538	1576	1082
55°	1045	1055	1092	1164	1198	934
65°	677	674	699	752	783	670
75°	328	325	340	365	384	350
85°	53	59	59	53	50	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2359.2	2359.2	2359.2	2359.2	2359.2
2.5°	2359.2	2356.1	2356.1	2356.1	2359.2
5°	2349.9	2346.8	2349.9	2349.9	2353.0
7.5°	2334.3	2331.2	2337.4	2340.5	2343.6
10°	2312.4	2312.4	2321.8	2328.0	2331.2
12.5°	2284.4	2284.4	2296.8	2306.2	2312.4
15°	2243.8	2246.9	2262.5	2278.1	2284.4
17.5°	2197.0	2206.3	2225.1	2246.9	2253.1
20°	2150.2	2156.4	2178.2	2206.3	2218.8
22.5°	2090.9	2100.2	2125.2	2162.6	2175.1
25°	2025.3	2037.8	2069.0	2109.6	2128.3
27.5°	1959.8	1969.2	2006.6	2053.4	2075.3
30°	1888.0	1900.5	1941.1	1994.1	2019.1
32.5°	1816.2	1825.6	1872.4	1928.6	1956.7
35°	1738.2	1750.7	1794.4	1859.9	1888.0
37.5°	1657.1	1672.7	1716.4	1785.0	1816.2
40°	1576.0	1585.3	1635.2	1703.9	1741.4
42.5°	1491.7	1504.2	1551.0	1625.9	1663.3
45°	1401.2	1416.8	1463.6	1538.5	1576.0
47.5°	1313.8	1329.4	1373.1	1448.0	1482.3
50°	1226.4	1235.8	1279.5	1354.4	1395.0
52.5°	1135.9	1145.3	1185.9	1257.6	1295.1
55°	1045.4	1054.8	1092.2	1164.0	1198.3
57.5°	951.8	958.1	995.5	1061.0	1095.4
60°	861.3	864.4	898.8	958.1	992.4
62.5°	764.6	767.7	792.7	861.3	892.5
65°	677.2	674.1	699.0	752.1	783.3
67.5°	586.7	586.7	608.5	655.3	680.3
70°	496.2	496.2	514.9	555.5	580.5
72.5°	411.9	411.9	427.5	458.7	477.5
75°	327.7	324.6	340.2	365.1	383.8
77.5°	249.7	249.7	255.9	277.7	290.2
80°	177.9	177.9	181.0	193.5	202.8
82.5°	112.3	112.3	112.3	118.6	121.7
85°	53.1	59.3	59.3	53.1	49.9
87.5°	25.0	25.0	21.8	21.8	21.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)