

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: P383804

Luminaire Tested: **22ID-55-L840-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383804
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: 22ID-55-L840-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

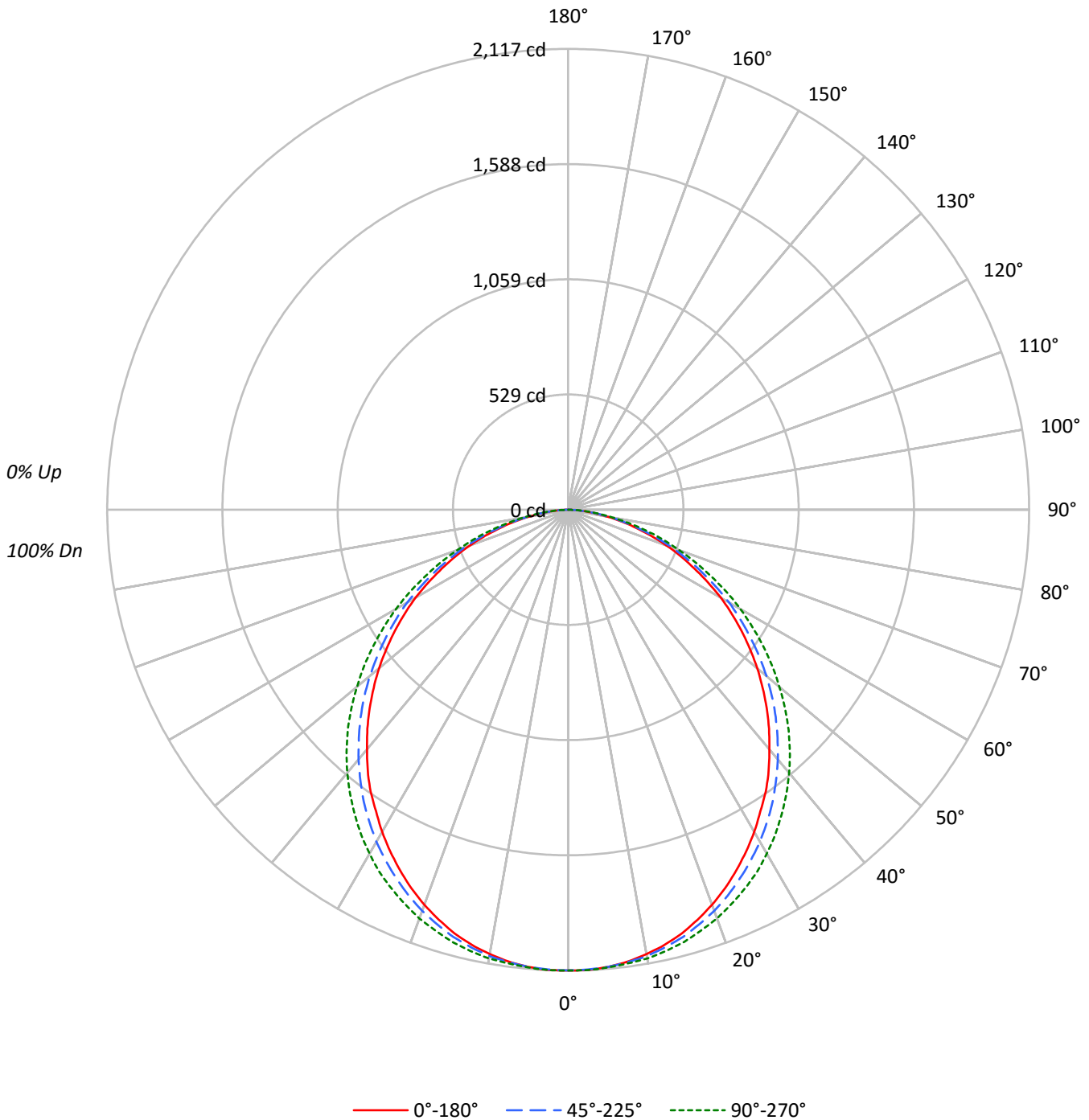
Lumens per Lamp: N/A
Luminaire Lumens: 5748.9 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 46.3
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	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°	5696	5696	5696
5°	5695	5695	5702
10°	5666	5689	5721
15°	5615	5663	5728
20°	5532	5615	5722
25°	5426	5547	5701
30°	5310	5472	5670
35°	5196	5377	5614
40°	5049	5262	5546
45°	4908	5128	5447
50°	4746	4976	5303
55°	4558	4789	5128
60°	4358	4591	4918
65°	4069	4309	4603
70°	3777	3982	4255
75°	3368	3548	3848
80°	2824	2958	3226
85°	2143	2143	2411



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.3	3.5
10°-20°	573.3	10.0
20°-30°	861.9	15.0
30°-40°	1025.4	17.8
40°-50°	1043.3	18.1
50°-60°	918.2	16.0
60°-70°	673.6	11.7
70°-80°	365.6	6.4
80°-90°	87.2	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°	1635.6	28.4
0°-40°	2660.9	46.3
0°-60°	4622.5	80.4
0°-90°	5748.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5748.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2117	2117	2117	2117	2117	
5°	2108	2105	2108	2108	2111	200
15°	2016	2018	2033	2044	2056	568
25°	1828	1839	1868	1900	1920	842
35°	1582	1593	1637	1686	1709	988
45°	1290	1301	1348	1405	1431	994
55°	972	986	1021	1070	1093	869
65°	639	651	677	706	723	635
75°	324	330	341	359	370	344
85°	69	69	69	75	78	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2116.8	2116.8	2116.8	2116.8	2116.8
2.5°	2116.8	2113.9	2113.9	2113.9	2116.8
5°	2108.1	2105.2	2108.1	2108.1	2111.0
7.5°	2093.7	2090.8	2096.5	2099.4	2102.3
10°	2073.4	2073.4	2082.1	2087.9	2093.7
12.5°	2047.4	2050.3	2059.0	2067.6	2076.3
15°	2015.6	2018.5	2032.9	2044.5	2056.1
17.5°	1975.1	1980.9	1998.2	2015.6	2027.1
20°	1931.7	1940.4	1960.6	1983.8	1998.2
22.5°	1882.6	1894.1	1917.3	1946.2	1960.6
25°	1827.6	1839.2	1868.1	1899.9	1920.2
27.5°	1769.8	1784.2	1816.0	1853.6	1876.8
30°	1709.0	1723.5	1761.1	1801.6	1824.7
32.5°	1642.5	1659.9	1700.4	1746.6	1769.8
35°	1581.8	1593.4	1636.8	1685.9	1709.0
37.5°	1512.4	1526.9	1567.4	1619.4	1645.4
40°	1437.2	1451.7	1497.9	1550.0	1578.9
42.5°	1364.9	1376.5	1422.8	1480.6	1506.6
45°	1289.7	1301.3	1347.6	1405.4	1431.4
47.5°	1211.7	1226.1	1269.5	1324.4	1350.5
50°	1133.6	1145.2	1188.5	1240.6	1266.6
52.5°	1052.6	1064.2	1104.7	1156.7	1182.7
55°	971.6	986.1	1020.8	1070.0	1093.1
57.5°	890.7	905.1	936.9	983.2	1003.5
60°	809.7	821.3	853.1	893.6	913.8
62.5°	722.9	731.6	763.4	803.9	821.3
65°	639.1	650.7	676.7	705.6	722.9
67.5°	561.0	566.8	589.9	621.7	633.3
70°	480.0	485.8	506.1	532.1	540.8
72.5°	399.1	407.7	422.2	445.3	456.9
75°	323.9	329.7	341.2	358.6	370.1
77.5°	251.6	254.5	263.2	277.6	286.3
80°	182.2	185.1	190.9	202.4	208.2
82.5°	121.5	124.3	127.2	133.0	138.8
85°	69.4	69.4	69.4	75.2	78.1
87.5°	26.0	23.1	23.1	23.1	23.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)