

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: P383915

Luminaire Tested: **14ID-55-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383915
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-55-L835-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

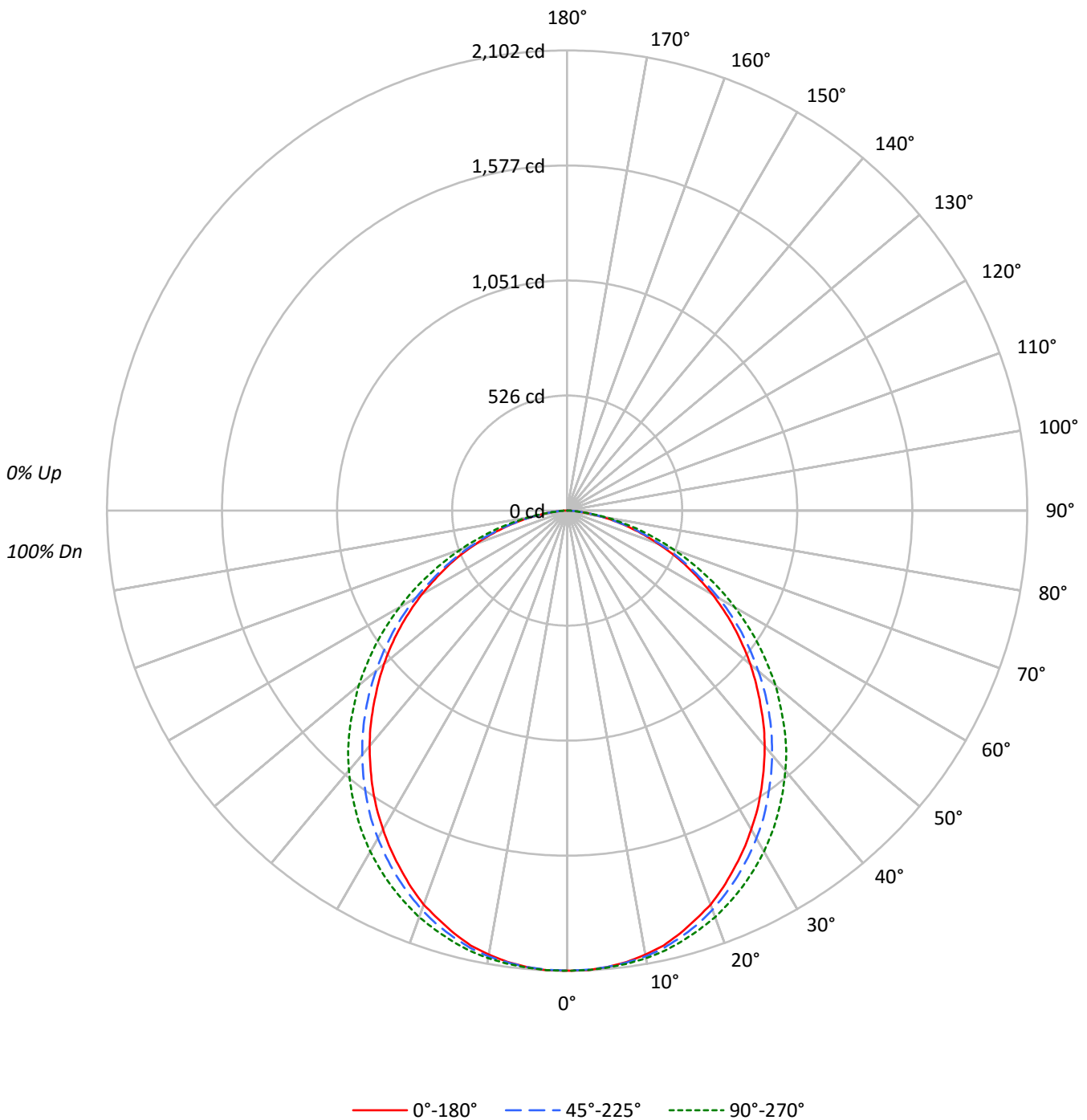
Lumens per Lamp: N/A
Luminaire Lumens: 5547.7 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	5655	5655	5655
5°	5654	5654	5662
10°	5628	5651	5674
15°	5568	5615	5669
20°	5485	5556	5660
25°	5357	5472	5629
30°	5226	5372	5588
35°	5087	5251	5525
40°	4931	5117	5449
45°	4750	4961	5342
50°	4574	4771	5202
55°	4369	4564	5008
60°	4129	4309	4758
65°	3841	3965	4443
70°	3478	3609	4068
75°	3035	3150	3555
80°	2455	2498	2800
85°	1460	1630	1374



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.0	3.6
10°-20°	568.6	10.2
20°-30°	850.6	15.3
30°-40°	1004.9	18.1
40°-50°	1014.1	18.3
50°-60°	880.6	15.9
60°-70°	631.5	11.4
70°-80°	329.0	5.9
80°-90°	69.4	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°	1618.2	29.2
0°-40°	2623.1	47.3
0°-60°	4517.8	81.4
0°-90°	5547.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5547.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2102	2102	2102	2102	2102	
5°	2093	2090	2093	2093	2096	199
15°	1999	2002	2015	2029	2035	563
25°	1804	1815	1843	1879	1896	831
35°	1548	1560	1598	1657	1682	968
45°	1248	1262	1304	1370	1404	964
55°	931	940	973	1037	1067	832
65°	603	600	623	670	698	596
75°	292	289	303	325	342	311
85°	47	53	53	47	44	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2101.5	2101.5	2101.5	2101.5	2101.5
2.5°	2101.5	2098.8	2098.8	2098.8	2101.5
5°	2093.2	2090.4	2093.2	2093.2	2096.0
7.5°	2079.3	2076.5	2082.1	2084.9	2087.6
10°	2059.8	2059.8	2068.2	2073.7	2076.5
12.5°	2034.8	2034.8	2045.9	2054.3	2059.8
15°	1998.7	2001.5	2015.4	2029.3	2034.8
17.5°	1957.0	1965.3	1982.0	2001.5	2007.0
20°	1915.3	1920.9	1940.3	1965.3	1976.5
22.5°	1862.5	1870.8	1893.1	1926.4	1937.5
25°	1804.1	1815.2	1843.0	1879.2	1895.8
27.5°	1745.7	1754.1	1787.4	1829.1	1848.6
30°	1681.8	1692.9	1729.0	1776.3	1798.5
32.5°	1617.9	1626.2	1667.9	1717.9	1742.9
35°	1548.4	1559.5	1598.4	1656.8	1681.8
37.5°	1476.1	1490.0	1528.9	1590.1	1617.9
40°	1403.8	1412.1	1456.6	1517.8	1551.1
42.5°	1328.8	1339.9	1381.6	1448.3	1481.6
45°	1248.1	1262.0	1303.7	1370.5	1403.8
47.5°	1170.3	1184.2	1223.1	1289.8	1320.4
50°	1092.5	1100.8	1139.7	1206.4	1242.6
52.5°	1011.9	1020.2	1056.3	1120.3	1153.6
55°	931.2	939.6	972.9	1036.9	1067.4
57.5°	847.8	853.4	886.8	945.1	975.7
60°	767.2	770.0	800.6	853.4	884.0
62.5°	681.1	683.8	706.1	767.2	795.0
65°	603.2	600.4	622.7	669.9	697.7
67.5°	522.6	522.6	542.1	583.8	606.0
70°	442.0	442.0	458.7	494.8	517.0
72.5°	366.9	366.9	380.8	408.6	425.3
75°	291.9	289.1	303.0	325.2	341.9
77.5°	222.4	222.4	227.9	247.4	258.5
80°	158.4	158.4	161.2	172.3	180.7
82.5°	100.1	100.1	100.1	105.6	108.4
85°	47.3	52.8	52.8	47.3	44.5
87.5°	22.2	22.2	19.5	19.5	19.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)