

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: P383747

Luminaire Tested: **14ID-55-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383747
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: 14ID-55-L835-CFR1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

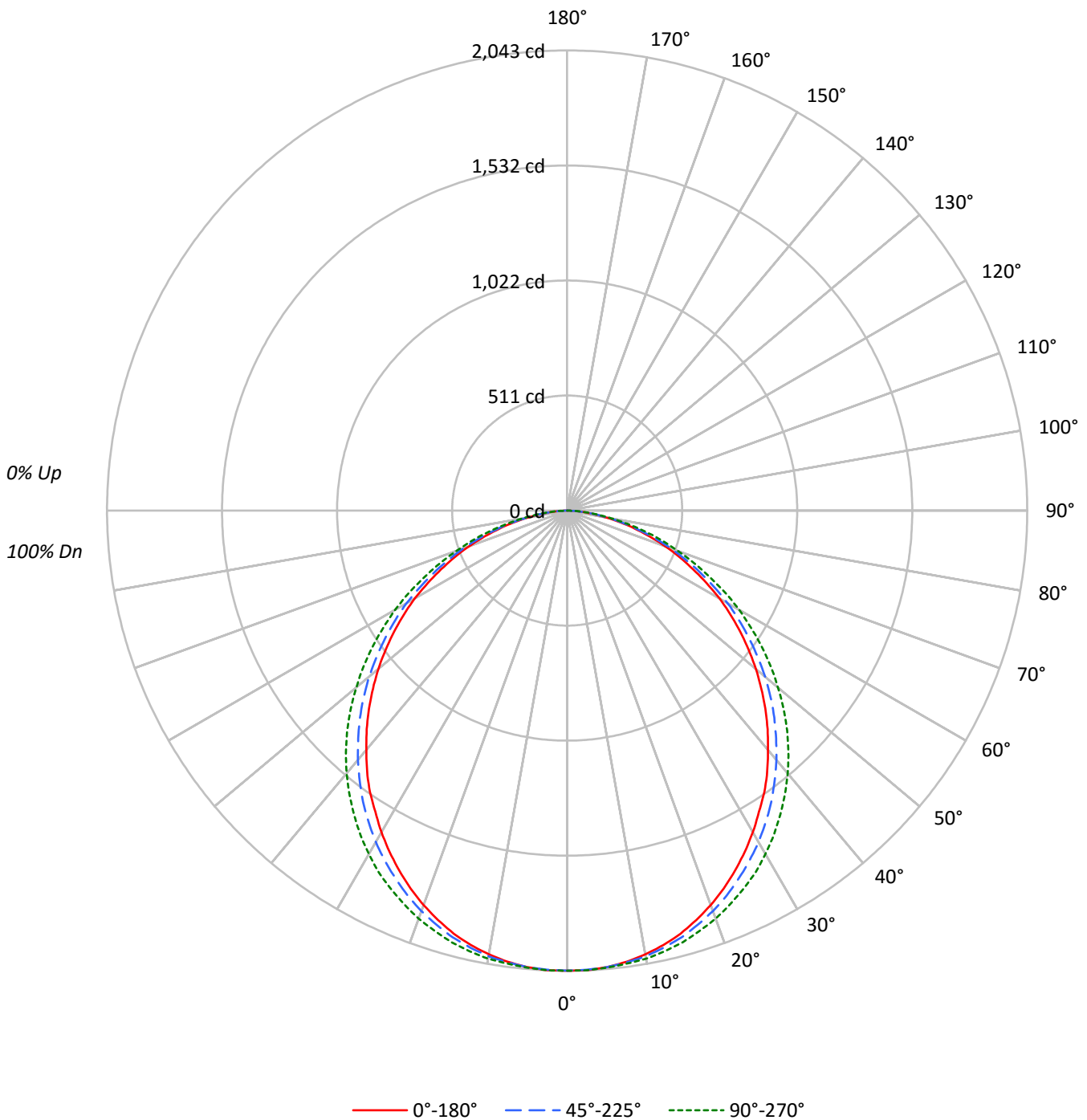
Lumens per Lamp: N/A
Luminaire Lumens: 5547.7 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 48.2
Input Voltage (V): NR
Input Current (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°	5497	5497	5497
5°	5495	5495	5503
10°	5467	5490	5521
15°	5419	5465	5528
20°	5338	5418	5522
25°	5237	5353	5502
30°	5125	5281	5472
35°	5015	5189	5418
40°	4872	5078	5352
45°	4736	4949	5257
50°	4580	4801	5117
55°	4399	4622	4949
60°	4205	4430	4746
65°	3927	4158	4442
70°	3644	3843	4105
75°	3249	3424	3714
80°	2724	2854	3113
85°	2069	2069	2325



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.3	3.5
10°-20°	553.2	10.0
20°-30°	831.8	15.0
30°-40°	989.5	17.8
40°-50°	1006.8	18.1
50°-60°	886.1	16.0
60°-70°	650.0	11.7
70°-80°	352.8	6.4
80°-90°	84.2	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°	1578.3	28.4
0°-40°	2567.8	46.3
0°-60°	4460.7	80.4
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°	2043	2043	2043	2043	2043	
5°	2034	2032	2034	2034	2037	193
15°	1945	1948	1962	1973	1984	548
25°	1764	1775	1803	1833	1853	812
35°	1526	1538	1580	1627	1649	953
45°	1245	1256	1300	1356	1381	959
55°	938	952	985	1032	1055	839
65°	617	628	653	681	698	613
75°	312	318	329	346	357	332
85°	67	67	67	73	75	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2042.7	2042.7	2042.7	2042.7	2042.7
2.5°	2042.7	2039.9	2039.9	2039.9	2042.7
5°	2034.3	2031.5	2034.3	2034.3	2037.1
7.5°	2020.4	2017.6	2023.2	2026.0	2028.8
10°	2000.9	2000.9	2009.2	2014.8	2020.4
12.5°	1975.7	1978.5	1986.9	1995.3	2003.6
15°	1945.0	1947.8	1961.8	1972.9	1984.1
17.5°	1906.0	1911.6	1928.3	1945.0	1956.2
20°	1864.1	1872.5	1892.0	1914.3	1928.3
22.5°	1816.7	1827.8	1850.2	1878.1	1892.0
25°	1763.7	1774.8	1802.7	1833.4	1852.9
27.5°	1707.8	1721.8	1752.5	1788.8	1811.1
30°	1649.2	1663.2	1699.5	1738.5	1760.9
32.5°	1585.1	1601.8	1640.9	1685.5	1707.8
35°	1526.5	1537.6	1579.5	1626.9	1649.2
37.5°	1459.5	1473.4	1512.5	1562.7	1587.8
40°	1386.9	1400.9	1445.5	1495.8	1523.7
42.5°	1317.2	1328.3	1373.0	1428.8	1453.9
45°	1244.6	1255.8	1300.4	1356.2	1381.3
47.5°	1169.3	1183.2	1225.1	1278.1	1303.2
50°	1093.9	1105.1	1146.9	1197.2	1222.3
52.5°	1015.8	1026.9	1066.0	1116.2	1141.3
55°	937.6	951.6	985.1	1032.5	1054.8
57.5°	859.5	873.5	904.1	948.8	968.3
60°	781.4	792.5	823.2	862.3	881.8
62.5°	697.6	706.0	736.7	775.8	792.5
65°	616.7	627.9	653.0	680.9	697.6
67.5°	541.4	547.0	569.3	600.0	611.1
70°	463.2	468.8	488.4	513.5	521.8
72.5°	385.1	393.5	407.4	429.8	440.9
75°	312.5	318.1	329.3	346.0	357.2
77.5°	242.8	245.6	253.9	267.9	276.3
80°	175.8	178.6	184.2	195.3	200.9
82.5°	117.2	120.0	122.8	128.4	133.9
85°	67.0	67.0	67.0	72.6	75.3
87.5°	25.1	22.3	22.3	22.3	22.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)