

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: P385143

Luminaire Tested: **22ID-50-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-50-L835-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

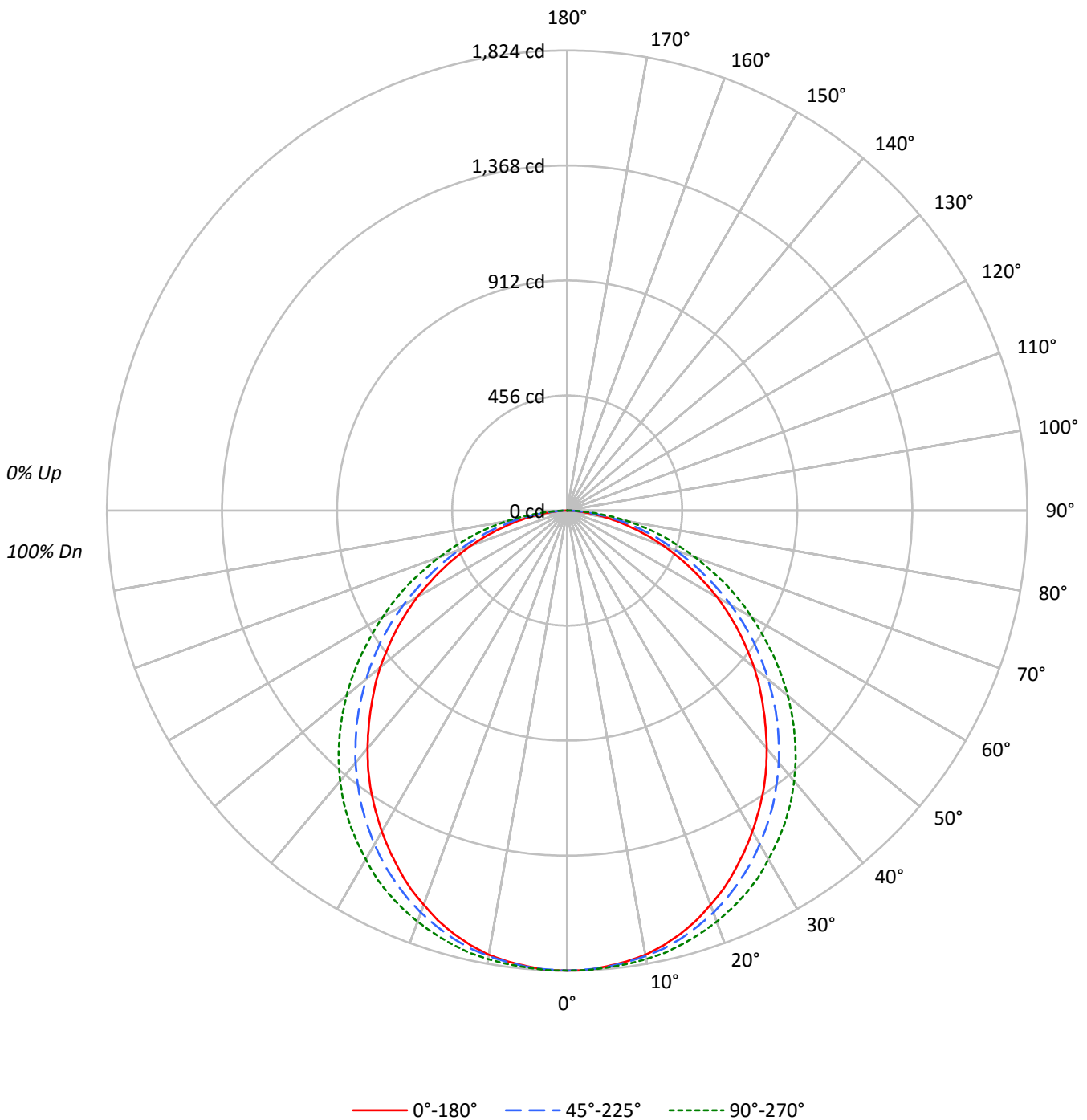
Lumens per Lamp: N/A
Luminaire Lumens: 5062.9 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 41.1
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	94	98	94	91	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4907	4907	4907
5°	4898	4905	4912
10°	4885	4899	4934
15°	4838	4888	4952
20°	4761	4856	4966
25°	4671	4808	4975
30°	4563	4745	4960
35°	4455	4673	4950
40°	4324	4584	4916
45°	4179	4480	4859
50°	4052	4351	4779
55°	3882	4218	4673
60°	3697	4041	4549
65°	3447	3805	4423
70°	3175	3577	4240
75°	2815	3319	4062
80°	2374	2968	3760
85°	1735	2288	2995



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.6	3.4
10°-20°	495.2	9.8
20°-30°	746.9	14.8
30°-40°	891.6	17.6
40°-50°	911.3	18.0
50°-60°	808.1	16.0
60°-70°	602.4	11.9
70°-80°	344.1	6.8
80°-90°	90.8	1.8
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°	1414.7	27.9
0°-40°	2306.3	45.6
0°-60°	4025.6	79.5
0°-90°	5062.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5062.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1824	1824	1824	1824	1824	
5°	1813	1813	1816	1816	1818	172
15°	1737	1742	1754	1770	1778	489
25°	1573	1586	1619	1655	1675	724
35°	1356	1374	1422	1479	1507	847
45°	1098	1121	1177	1241	1277	848
55°	828	843	899	963	996	739
65°	541	554	598	659	695	537
75°	271	284	319	368	391	289
85°	56	59	74	92	97	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1823.5	1823.5	1823.5	1823.5	1823.5
2.5°	1823.5	1820.9	1820.9	1820.9	1823.5
5°	1813.3	1813.3	1815.8	1815.8	1818.4
7.5°	1803.0	1803.0	1805.6	1808.2	1813.3
10°	1787.7	1787.7	1792.8	1800.5	1805.6
12.5°	1764.7	1767.3	1777.5	1787.7	1795.4
15°	1736.6	1741.8	1754.5	1769.8	1777.5
17.5°	1703.4	1708.6	1726.4	1746.9	1757.1
20°	1662.6	1672.8	1695.8	1721.3	1734.1
22.5°	1621.7	1631.9	1660.0	1690.7	1706.0
25°	1573.2	1586.0	1619.2	1654.9	1675.4
27.5°	1522.1	1537.4	1575.8	1616.6	1639.6
30°	1468.5	1486.4	1527.2	1573.2	1596.2
32.5°	1412.3	1430.2	1476.2	1527.2	1552.8
35°	1356.1	1374.0	1422.5	1478.7	1506.8
37.5°	1294.8	1312.7	1363.8	1425.1	1455.7
40°	1231.0	1251.4	1305.0	1366.3	1399.5
42.5°	1164.6	1187.6	1241.2	1307.6	1340.8
45°	1098.2	1121.2	1177.3	1241.2	1276.9
47.5°	1034.3	1052.2	1108.4	1174.8	1210.5
50°	967.9	983.2	1039.4	1105.8	1141.6
52.5°	896.4	916.8	970.5	1036.9	1070.1
55°	827.5	842.8	899.0	962.8	996.0
57.5°	756.0	771.3	824.9	888.8	919.4
60°	687.0	702.3	750.8	814.7	845.3
62.5°	610.4	625.7	674.2	740.6	771.3
65°	541.4	554.2	597.6	658.9	694.7
67.5°	472.5	485.2	526.1	584.8	612.9
70°	403.5	413.7	454.6	508.2	538.9
72.5°	337.1	347.3	388.2	436.7	462.3
75°	270.7	283.5	319.2	367.8	390.7
77.5°	209.4	222.2	252.8	296.3	316.7
80°	153.2	163.4	191.5	224.7	242.6
82.5°	102.2	109.8	130.2	158.3	171.1
85°	56.2	58.7	74.1	91.9	97.0
87.5°	23.0	23.0	28.1	30.6	33.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)