

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: P385259

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

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385259  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-55-L835-CNV  
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

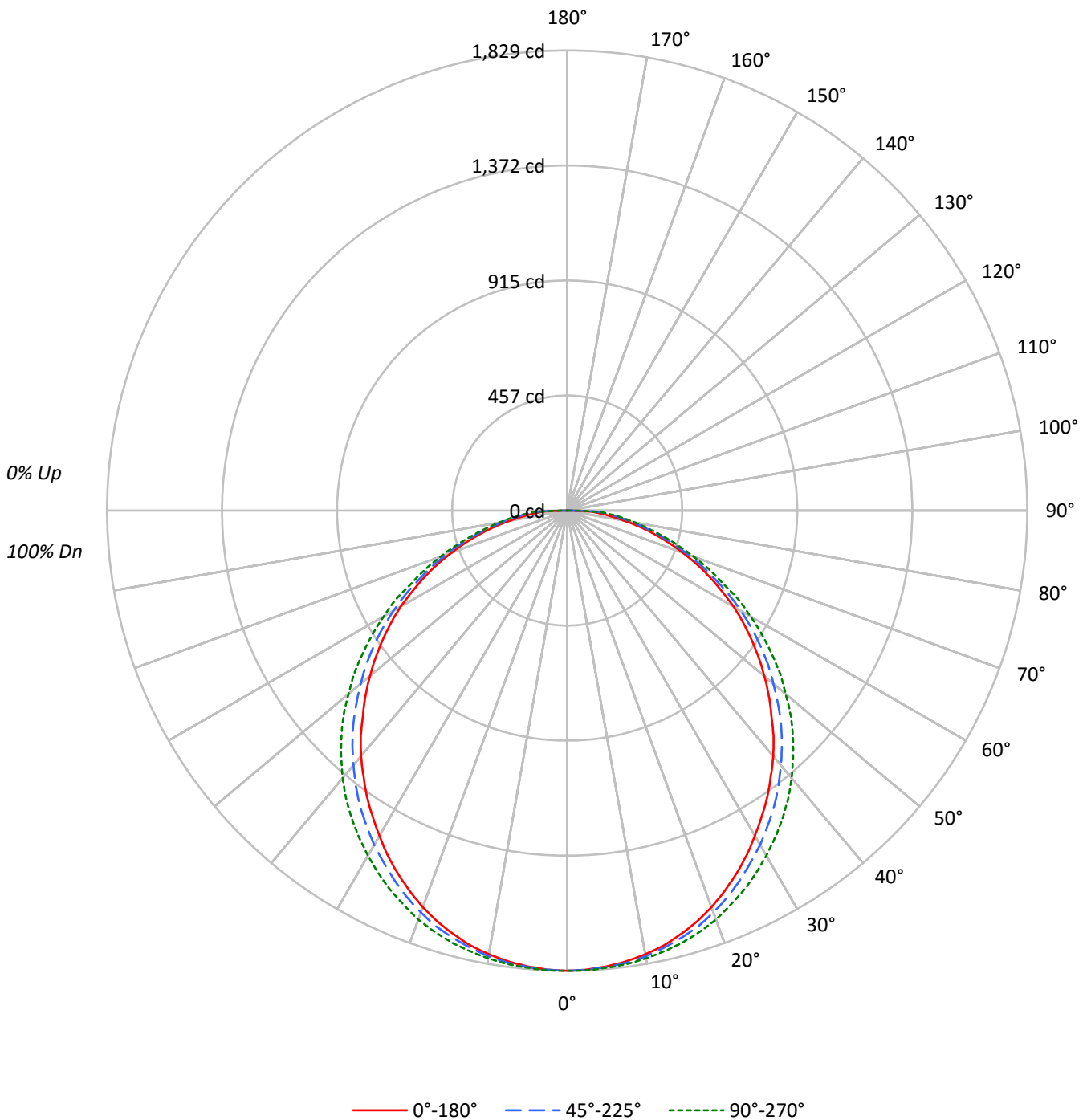
Lumens per Lamp: N/A  
Luminaire Lumens: 5305.4 lumens  
Efficiency: N/A  
Efficacy: 110.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 48.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4922	4922	4922
5°	4894	4856	4855
10°	4857	4791	4797
15°	4804	4710	4738
20°	4732	4619	4671
25°	4637	4507	4584
30°	4529	4393	4489
35°	4430	4272	4391
40°	4326	4131	4277
45°	4193	3990	4140
50°	4082	3812	3960
55°	3958	3636	3764
60°	3836	3419	3514
65°	3661	3151	3197
70°	3447	2859	2888
75°	3202	2536	2529
80°	2870	2189	2176
85°	2713	1904	1847



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.1	3.3
10°-20°	496.0	9.3
20°-30°	748.5	14.1
30°-40°	898.4	16.9
40°-50°	929.8	17.5
50°-60°	842.3	15.9
60°-70°	649.0	12.2
70°-80°	401.6	7.6
80°-90°	166.8	3.1
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°	1417.6	26.7
0°-40°	2316.0	43.7
0°-60°	4088.1	77.1
0°-90°	5305.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5305.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1829	1829	1829	1829	1829	
5°	1818	1818	1821	1821	1824	173
15°	1744	1746	1758	1768	1777	492
25°	1592	1597	1622	1650	1664	733
35°	1388	1399	1435	1473	1493	868
45°	1148	1164	1203	1247	1269	888
55°	894	908	938	979	993	800
65°	626	632	651	679	682	619
75°	356	364	378	394	394	377
85°	130	144	166	177	174	140
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1829.2	1829.2	1829.2	1829.2	1829.2
2.5°	1826.4	1826.4	1826.4	1826.4	1829.2
5°	1818.2	1818.2	1820.9	1820.9	1823.7
7.5°	1807.1	1807.1	1812.6	1812.6	1818.2
10°	1790.6	1793.3	1798.8	1801.6	1807.1
12.5°	1771.3	1771.3	1779.5	1787.8	1793.3
15°	1743.7	1746.4	1757.5	1768.5	1776.8
17.5°	1713.3	1716.1	1732.6	1743.7	1754.7
20°	1677.5	1680.2	1699.5	1716.1	1729.9
22.5°	1636.1	1641.6	1663.7	1685.7	1696.8
25°	1591.9	1597.4	1622.3	1649.9	1663.7
27.5°	1545.0	1553.3	1578.1	1608.5	1625.0
30°	1492.6	1503.6	1534.0	1567.1	1583.6
32.5°	1440.2	1451.2	1484.3	1522.9	1539.5
35°	1387.8	1398.8	1434.7	1473.3	1492.6
37.5°	1329.8	1340.9	1379.5	1420.9	1442.9
40°	1274.6	1285.7	1321.5	1368.4	1387.8
42.5°	1213.9	1225.0	1263.6	1307.7	1329.8
45°	1147.7	1164.3	1202.9	1247.1	1269.1
47.5°	1087.0	1100.8	1136.7	1183.6	1205.7
50°	1023.6	1037.4	1070.5	1117.4	1133.9
52.5°	960.1	973.9	1007.0	1051.2	1067.7
55°	893.9	907.7	938.0	979.4	993.2
57.5°	830.4	841.5	869.1	907.7	918.7
60°	764.2	775.3	797.3	833.2	841.5
62.5°	692.5	700.8	725.6	758.7	769.8
65°	626.3	631.8	651.1	678.7	681.5
67.5°	557.3	562.8	582.1	601.5	609.7
70°	488.3	496.6	510.4	529.7	535.2
72.5°	422.1	430.4	444.2	460.7	463.5
75°	355.9	364.2	378.0	394.5	394.5
77.5°	292.5	300.7	317.3	331.1	331.1
80°	229.0	242.8	259.3	273.1	273.1
82.5°	176.6	187.6	209.7	220.7	220.7
85°	129.7	143.5	165.5	176.6	173.8
87.5°	93.8	107.6	126.9	135.2	132.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)