

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: P383859

Luminaire Tested: **24ID-60-L835-CFR1**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383859  
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: 24ID-60-L835-CFR1  
Description: 2X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

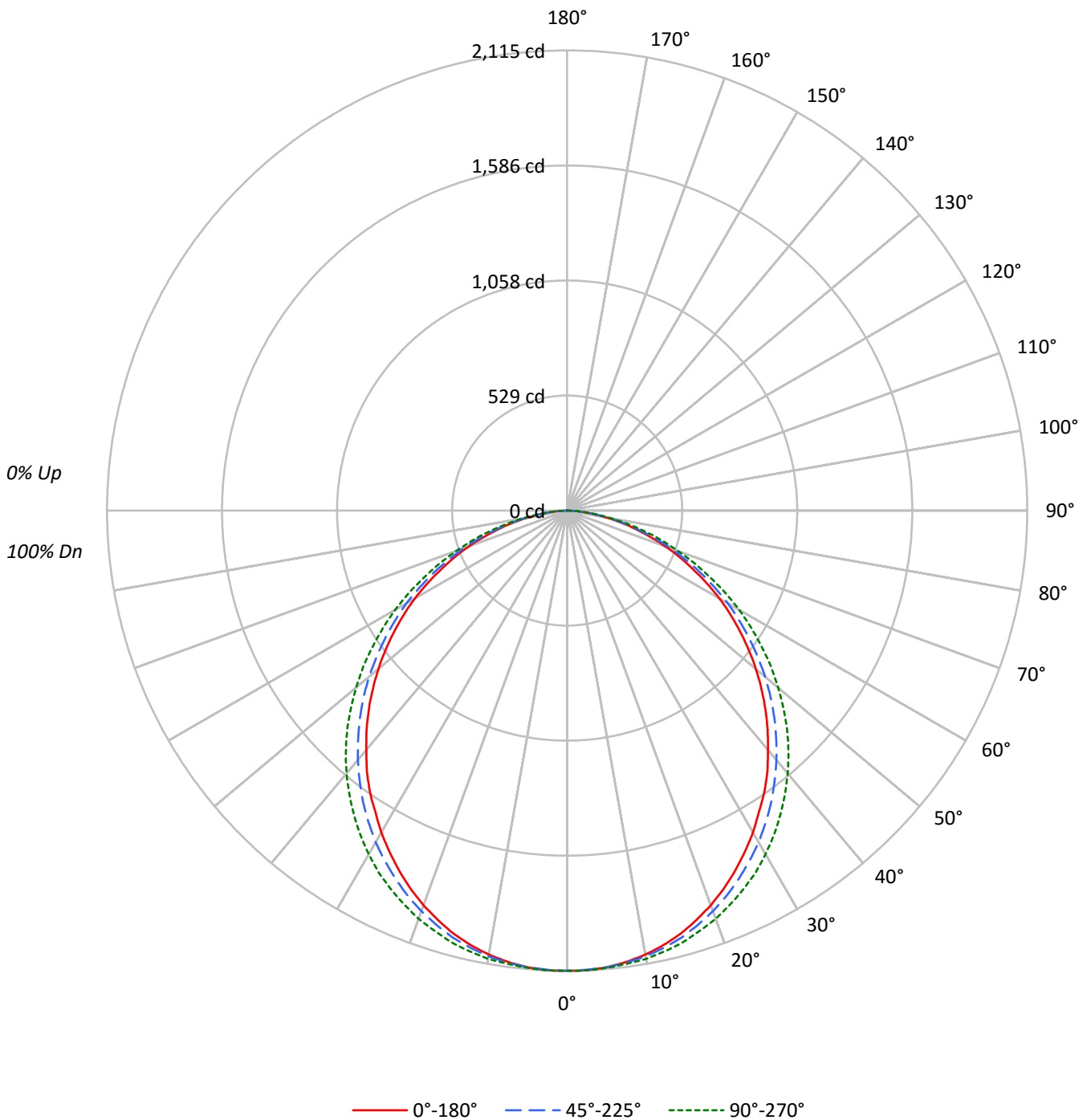
Lumens per Lamp: N/A  
Luminaire Lumens: 5744.6 lumens  
Efficiency: N/A  
Efficacy: 105.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 54.5  
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	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°	2846	2846	2846
5°	2845	2845	2849
10°	2831	2842	2858
15°	2806	2830	2862
20°	2764	2805	2859
25°	2711	2771	2848
30°	2653	2734	2833
35°	2596	2686	2805
40°	2522	2629	2771
45°	2452	2562	2722
50°	2371	2486	2649
55°	2278	2393	2562
60°	2177	2294	2457
65°	2033	2153	2300
70°	1887	1989	2126
75°	1682	1773	1923
80°	1410	1478	1612
85°	1071	1071	1204



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.2	3.5
10°-20°	572.8	10.0
20°-30°	861.3	15.0
30°-40°	1024.6	17.8
40°-50°	1042.6	18.1
50°-60°	917.5	16.0
60°-70°	673.1	11.7
70°-80°	365.3	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°	1634.3	28.4
0°-40°	2658.9	46.3
0°-60°	4619.1	80.4
0°-90°	5744.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5744.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2115	2115	2115	2115	2115	
5°	2106	2104	2106	2106	2109	200
15°	2014	2017	2031	2043	2054	567
25°	1826	1838	1867	1898	1919	841
35°	1581	1592	1636	1685	1708	987
45°	1289	1300	1347	1404	1430	993
55°	971	985	1020	1069	1092	868
65°	639	650	676	705	722	635
75°	324	329	341	358	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°	2115.2	2115.2	2115.2	2115.2	2115.2
2.5°	2115.2	2112.3	2112.3	2112.3	2115.2
5°	2106.5	2103.7	2106.5	2106.5	2109.4
7.5°	2092.1	2089.2	2095.0	2097.9	2100.8
10°	2071.9	2071.9	2080.5	2086.3	2092.1
12.5°	2045.9	2048.7	2057.4	2066.1	2074.8
15°	2014.1	2017.0	2031.4	2043.0	2054.5
17.5°	1973.6	1979.4	1996.7	2014.1	2025.6
20°	1930.3	1938.9	1959.2	1982.3	1996.7
22.5°	1881.1	1892.7	1915.8	1944.7	1959.2
25°	1826.2	1837.8	1866.7	1898.5	1918.7
27.5°	1768.5	1782.9	1814.7	1852.3	1875.4
30°	1707.8	1722.2	1759.8	1800.2	1823.4
32.5°	1641.3	1658.6	1699.1	1745.3	1768.5
35°	1580.6	1592.2	1635.5	1684.7	1707.8
37.5°	1511.3	1525.7	1566.2	1618.2	1644.2
40°	1436.1	1450.6	1496.8	1548.8	1577.7
42.5°	1363.9	1375.5	1421.7	1479.5	1505.5
45°	1288.8	1300.3	1346.6	1404.4	1430.4
47.5°	1210.8	1225.2	1268.5	1323.5	1349.5
50°	1132.7	1144.3	1187.6	1239.7	1265.7
52.5°	1051.8	1063.4	1103.8	1155.9	1181.9
55°	970.9	985.4	1020.0	1069.2	1092.3
57.5°	890.0	904.5	936.2	982.5	1002.7
60°	809.1	820.7	852.4	892.9	913.1
62.5°	722.4	731.1	762.9	803.3	820.7
65°	638.6	650.2	676.2	705.1	722.4
67.5°	560.6	566.4	589.5	621.3	632.8
70°	479.7	485.5	505.7	531.7	540.4
72.5°	398.8	407.4	421.9	445.0	456.6
75°	323.6	329.4	341.0	358.3	369.9
77.5°	251.4	254.3	263.0	277.4	286.1
80°	182.0	184.9	190.7	202.3	208.1
82.5°	121.4	124.3	127.1	132.9	138.7
85°	69.4	69.4	69.4	75.1	78.0
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)