

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: P383978

Luminaire Tested: **22ID-65-L830-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383978  
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: 22ID-65-L830-CFR2  
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6518.0 lumens  
Efficiency: N/A  
Efficacy: 116.4 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

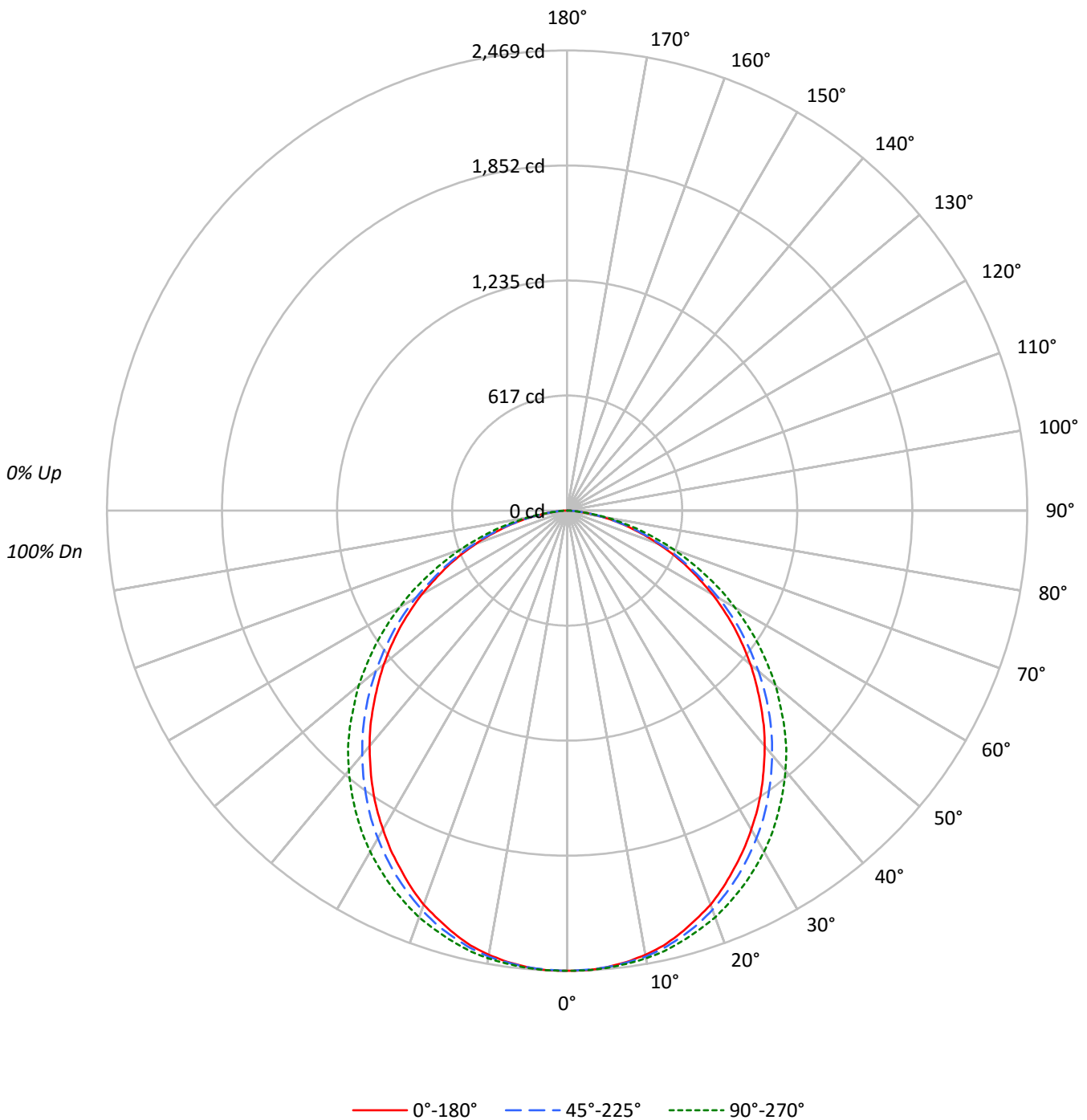
Input Watts (W): 56  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	6644	6644	6644
5°	6643	6643	6652
10°	6613	6640	6666
15°	6542	6597	6660
20°	6444	6528	6650
25°	6293	6429	6614
30°	6140	6312	6566
35°	5976	6169	6491
40°	5794	6012	6402
45°	5581	5829	6277
50°	5373	5606	6112
55°	5133	5363	5884
60°	4851	5062	5590
65°	4513	4658	5220
70°	4086	4240	4780
75°	3565	3701	4177
80°	2885	2935	3290
85°	1714	1917	1615



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.7	3.6
10°-20°	668.1	10.2
20°-30°	999.4	15.3
30°-40°	1180.7	18.1
40°-50°	1191.4	18.3
50°-60°	1034.7	15.9
60°-70°	741.9	11.4
70°-80°	386.5	5.9
80°-90°	81.6	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°	1901.2	29.2
0°-40°	3081.9	47.3
0°-60°	5308.0	81.4
0°-90°	6518.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6518.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2469	2469	2469	2469	2469	
5°	2459	2456	2459	2459	2463	234
15°	2348	2352	2368	2384	2391	662
25°	2120	2133	2165	2208	2227	977
35°	1819	1832	1878	1946	1976	1137
45°	1466	1483	1532	1610	1649	1132
55°	1094	1104	1143	1218	1254	977
65°	709	706	732	787	820	701
75°	343	340	356	382	402	366
85°	56	62	62	56	52	79
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2469.1	2469.1	2469.1	2469.1	2469.1
2.5°	2469.1	2465.8	2465.8	2465.8	2469.1
5°	2459.3	2456.0	2459.3	2459.3	2462.6
7.5°	2443.0	2439.7	2446.2	2449.5	2452.8
10°	2420.1	2420.1	2429.9	2436.4	2439.7
12.5°	2390.7	2390.7	2403.8	2413.6	2420.1
15°	2348.3	2351.5	2367.9	2384.2	2390.7
17.5°	2299.3	2309.1	2328.7	2351.5	2358.1
20°	2250.3	2256.8	2279.7	2309.1	2322.1
22.5°	2188.2	2198.0	2224.2	2263.3	2276.4
25°	2119.6	2132.7	2165.4	2207.8	2227.4
27.5°	2051.1	2060.9	2100.0	2149.0	2171.9
30°	1975.9	1989.0	2031.5	2087.0	2113.1
32.5°	1900.8	1910.6	1959.6	2018.4	2047.8
35°	1819.2	1832.2	1878.0	1946.5	1975.9
37.5°	1734.3	1750.6	1796.3	1868.2	1900.8
40°	1649.3	1659.1	1711.4	1783.2	1822.4
42.5°	1561.2	1574.2	1623.2	1701.6	1740.8
45°	1466.4	1482.8	1531.8	1610.1	1649.3
47.5°	1375.0	1391.3	1437.0	1515.4	1551.4
50°	1283.5	1293.3	1339.1	1417.4	1459.9
52.5°	1188.8	1198.6	1241.1	1316.2	1355.4
55°	1094.1	1103.9	1143.1	1218.2	1254.1
57.5°	996.1	1002.7	1041.9	1110.4	1146.4
60°	901.4	904.7	940.6	1002.7	1038.6
62.5°	800.2	803.4	829.6	901.4	934.1
65°	708.7	705.5	731.6	787.1	819.8
67.5°	614.0	614.0	636.9	685.9	712.0
70°	519.3	519.3	538.9	581.3	607.5
72.5°	431.1	431.1	447.4	480.1	499.7
75°	342.9	339.7	356.0	382.1	401.7
77.5°	261.3	261.3	267.8	290.7	303.7
80°	186.2	186.2	189.4	202.5	212.3
82.5°	117.6	117.6	117.6	124.1	127.4
85°	55.5	62.1	62.1	55.5	52.3
87.5°	26.1	26.1	22.9	22.9	22.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)