

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: P384026

Luminaire Tested: **24ID-60-L830-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384026
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: 24ID-60-L830-CFR2
Description: 2X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

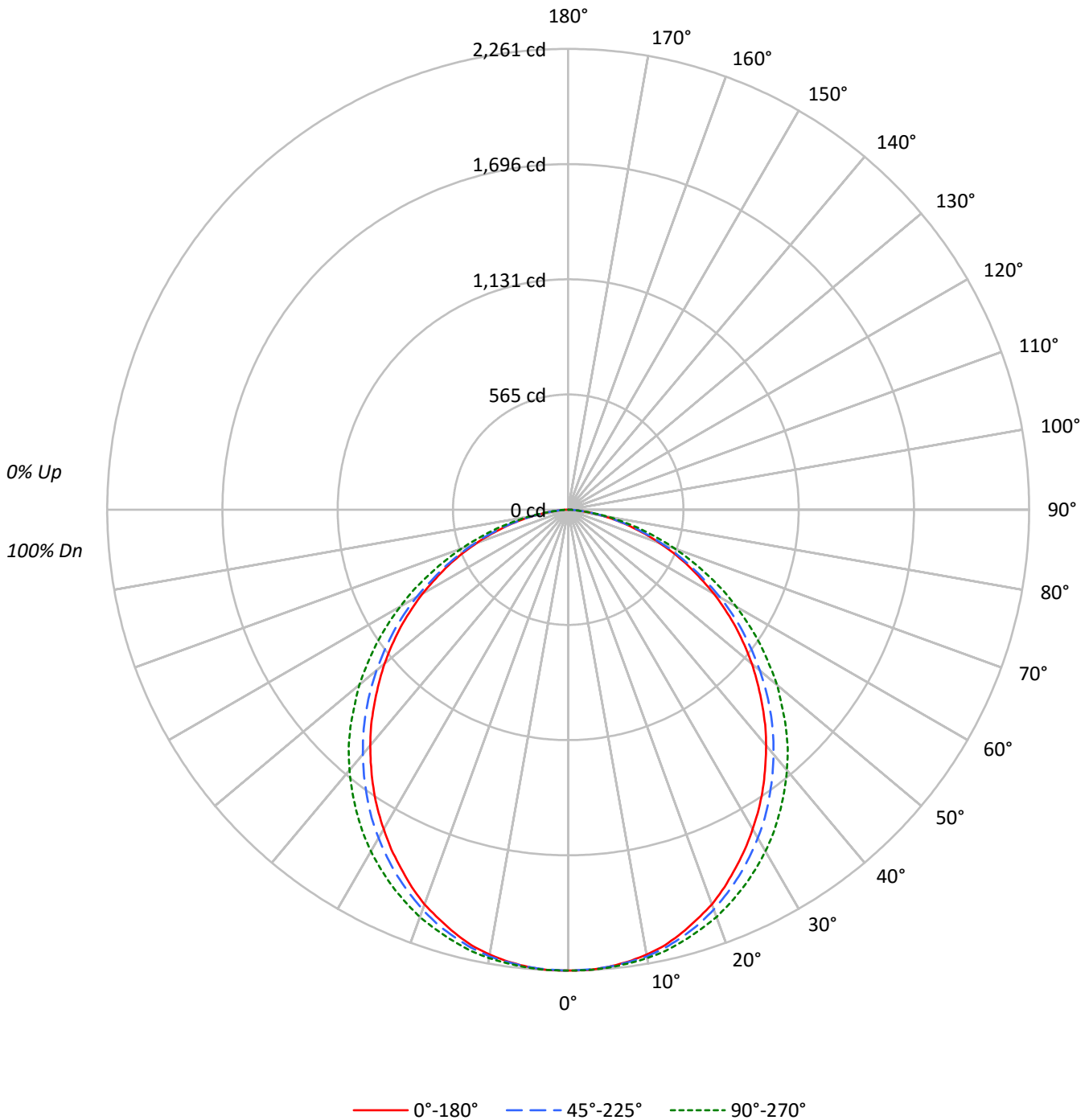
Lumens per Lamp: N/A
Luminaire Lumens: 5969.0 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 54.5
Input Voltage (V): NR
Input Current (A_{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	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°	3042	3042	3042
5°	3042	3042	3046
10°	3028	3040	3052
15°	2996	3020	3050
20°	2951	2989	3045
25°	2882	2944	3028
30°	2811	2890	3006
35°	2736	2825	2972
40°	2653	2753	2931
45°	2555	2669	2874
50°	2460	2567	2798
55°	2350	2456	2694
60°	2221	2318	2559
65°	2066	2133	2390
70°	1871	1941	2188
75°	1632	1695	1913
80°	1321	1344	1506
85°	784	877	739



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.1	3.6
10°-20°	611.8	10.2
20°-30°	915.2	15.3
30°-40°	1081.3	18.1
40°-50°	1091.1	18.3
50°-60°	947.5	15.9
60°-70°	679.4	11.4
70°-80°	354.0	5.9
80°-90°	74.7	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°	1741.1	29.2
0°-40°	2822.3	47.3
0°-60°	4860.9	81.4
0°-90°	5969.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5969.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2261	2261	2261	2261	2261	
5°	2252	2249	2252	2252	2255	214
15°	2150	2154	2168	2183	2189	606
25°	1941	1953	1983	2022	2040	894
35°	1666	1678	1720	1783	1810	1041
45°	1343	1358	1403	1474	1510	1037
55°	1002	1011	1047	1116	1148	895
65°	649	646	670	721	751	642
75°	314	311	326	350	368	335
85°	51	57	57	51	48	73
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2261.1	2261.1	2261.1	2261.1	2261.1
2.5°	2261.1	2258.1	2258.1	2258.1	2261.1
5°	2252.2	2249.2	2252.2	2252.2	2255.2
7.5°	2237.2	2234.2	2240.2	2243.2	2246.2
10°	2216.3	2216.3	2225.2	2231.2	2234.2
12.5°	2189.4	2189.4	2201.3	2210.3	2216.3
15°	2150.5	2153.5	2168.4	2183.4	2189.4
17.5°	2105.6	2114.6	2132.5	2153.5	2159.4
20°	2060.7	2066.7	2087.7	2114.6	2126.5
22.5°	2003.9	2012.9	2036.8	2072.7	2084.7
25°	1941.1	1953.1	1983.0	2021.9	2039.8
27.5°	1878.3	1887.3	1923.2	1968.0	1989.0
30°	1809.5	1821.5	1860.4	1911.2	1935.1
32.5°	1740.7	1749.7	1794.6	1848.4	1875.3
35°	1665.9	1677.9	1719.8	1782.6	1809.5
37.5°	1588.2	1603.1	1645.0	1710.8	1740.7
40°	1510.4	1519.4	1567.2	1633.0	1668.9
42.5°	1429.7	1441.6	1486.5	1558.3	1594.2
45°	1342.9	1357.9	1402.7	1474.5	1510.4
47.5°	1259.2	1274.1	1316.0	1387.8	1420.7
50°	1175.4	1184.4	1226.3	1298.1	1336.9
52.5°	1088.7	1097.7	1136.5	1205.3	1241.2
55°	1002.0	1010.9	1046.8	1115.6	1148.5
57.5°	912.2	918.2	954.1	1016.9	1049.8
60°	825.5	828.5	861.4	918.2	951.1
62.5°	732.8	735.8	759.7	825.5	855.4
65°	649.0	646.0	670.0	720.8	750.7
67.5°	562.3	562.3	583.2	628.1	652.0
70°	475.6	475.6	493.5	532.4	556.3
72.5°	394.8	394.8	409.8	439.7	457.6
75°	314.0	311.1	326.0	349.9	367.9
77.5°	239.3	239.3	245.3	266.2	278.2
80°	170.5	170.5	173.5	185.4	194.4
82.5°	107.7	107.7	107.7	113.7	116.6
85°	50.8	56.8	56.8	50.8	47.9
87.5°	23.9	23.9	20.9	20.9	20.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)