

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: P383806

Luminaire Tested: **22ID-60-L830-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383806
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: 22ID-60-L830-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

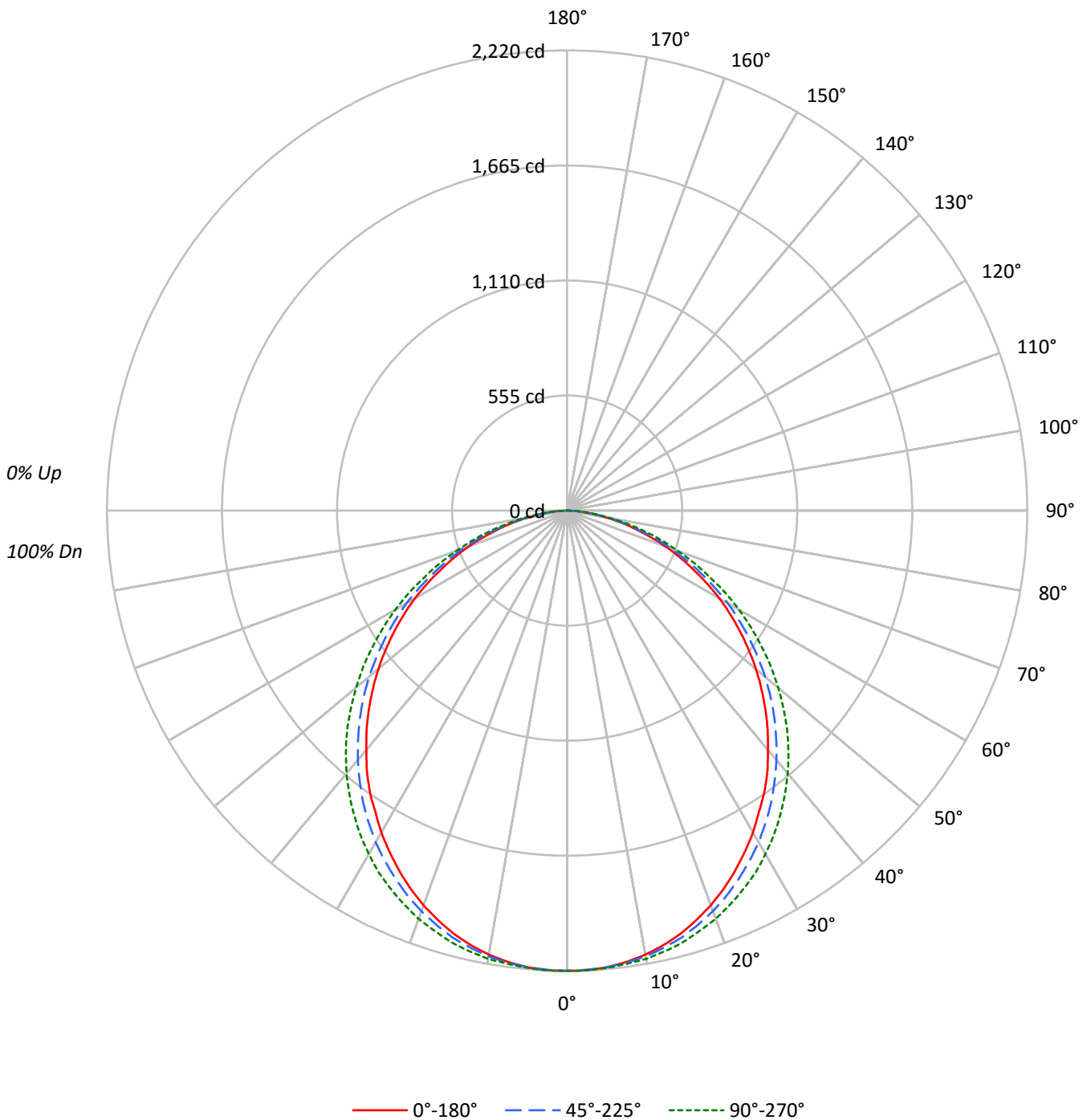
Lumens per Lamp: N/A
Luminaire Lumens: 6029.7 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 50.9
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	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°	5975	5975	5975
5°	5973	5973	5981
10°	5942	5967	6000
15°	5889	5940	6008
20°	5802	5889	6002
25°	5692	5817	5980
30°	5570	5739	5947
35°	5450	5639	5889
40°	5295	5519	5817
45°	5148	5379	5714
50°	4978	5219	5562
55°	4781	5023	5379
60°	4571	4815	5158
65°	4268	4519	4828
70°	3961	4176	4463
75°	3532	3721	4036
80°	2961	3102	3384
85°	2248	2248	2529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.1	3.5
10°-20°	601.3	10.0
20°-30°	904.0	15.0
30°-40°	1075.5	17.8
40°-50°	1094.3	18.1
50°-60°	963.1	16.0
60°-70°	706.5	11.7
70°-80°	383.5	6.4
80°-90°	91.5	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°	1715.4	28.4
0°-40°	2790.9	46.3
0°-60°	4848.3	80.4
0°-90°	6029.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6029.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2220	2220	2220	2220	2220	
5°	2211	2208	2211	2211	2214	210
15°	2114	2117	2132	2144	2156	595
25°	1917	1929	1959	1993	2014	883
35°	1659	1671	1717	1768	1792	1036
45°	1353	1365	1413	1474	1501	1043
55°	1019	1034	1071	1122	1146	911
65°	670	682	710	740	758	666
75°	340	346	358	376	388	361
85°	73	73	73	79	82	88
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2220.2	2220.2	2220.2	2220.2	2220.2
2.5°	2220.2	2217.2	2217.2	2217.2	2220.2
5°	2211.1	2208.1	2211.1	2211.1	2214.1
7.5°	2195.9	2192.9	2199.0	2202.0	2205.0
10°	2174.7	2174.7	2183.8	2189.9	2195.9
12.5°	2147.4	2150.4	2159.5	2168.6	2177.7
15°	2114.0	2117.1	2132.2	2144.4	2156.5
17.5°	2071.6	2077.6	2095.8	2114.0	2126.2
20°	2026.1	2035.2	2056.4	2080.7	2095.8
22.5°	1974.5	1986.6	2010.9	2041.2	2056.4
25°	1916.9	1929.0	1959.3	1992.7	2013.9
27.5°	1856.2	1871.4	1904.7	1944.2	1968.4
30°	1792.5	1807.7	1847.1	1889.6	1913.8
32.5°	1722.8	1741.0	1783.4	1832.0	1856.2
35°	1659.1	1671.2	1716.7	1768.3	1792.5
37.5°	1586.3	1601.4	1643.9	1698.5	1725.8
40°	1507.4	1522.6	1571.1	1625.7	1656.0
42.5°	1431.6	1443.7	1492.3	1552.9	1580.2
45°	1352.7	1364.9	1413.4	1474.1	1501.4
47.5°	1270.8	1286.0	1331.5	1389.1	1416.4
50°	1189.0	1201.1	1246.6	1301.2	1328.5
52.5°	1104.0	1116.2	1158.6	1213.2	1240.5
55°	1019.1	1034.3	1070.7	1122.2	1146.5
57.5°	934.2	949.3	982.7	1031.2	1052.5
60°	849.3	861.4	894.7	937.2	958.4
62.5°	758.3	767.4	800.7	843.2	861.4
65°	670.3	682.4	709.7	740.1	758.3
67.5°	588.4	594.5	618.7	652.1	664.2
70°	503.5	509.6	530.8	558.1	567.2
72.5°	418.6	427.7	442.8	467.1	479.2
75°	339.7	345.8	357.9	376.1	388.2
77.5°	263.9	266.9	276.0	291.2	300.3
80°	191.1	194.1	200.2	212.3	218.4
82.5°	127.4	130.4	133.5	139.5	145.6
85°	72.8	72.8	72.8	78.9	81.9
87.5°	27.3	24.3	24.3	24.3	24.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)