

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: P383974

Luminaire Tested: **22ID-60-L830-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383974
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-60-L830-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

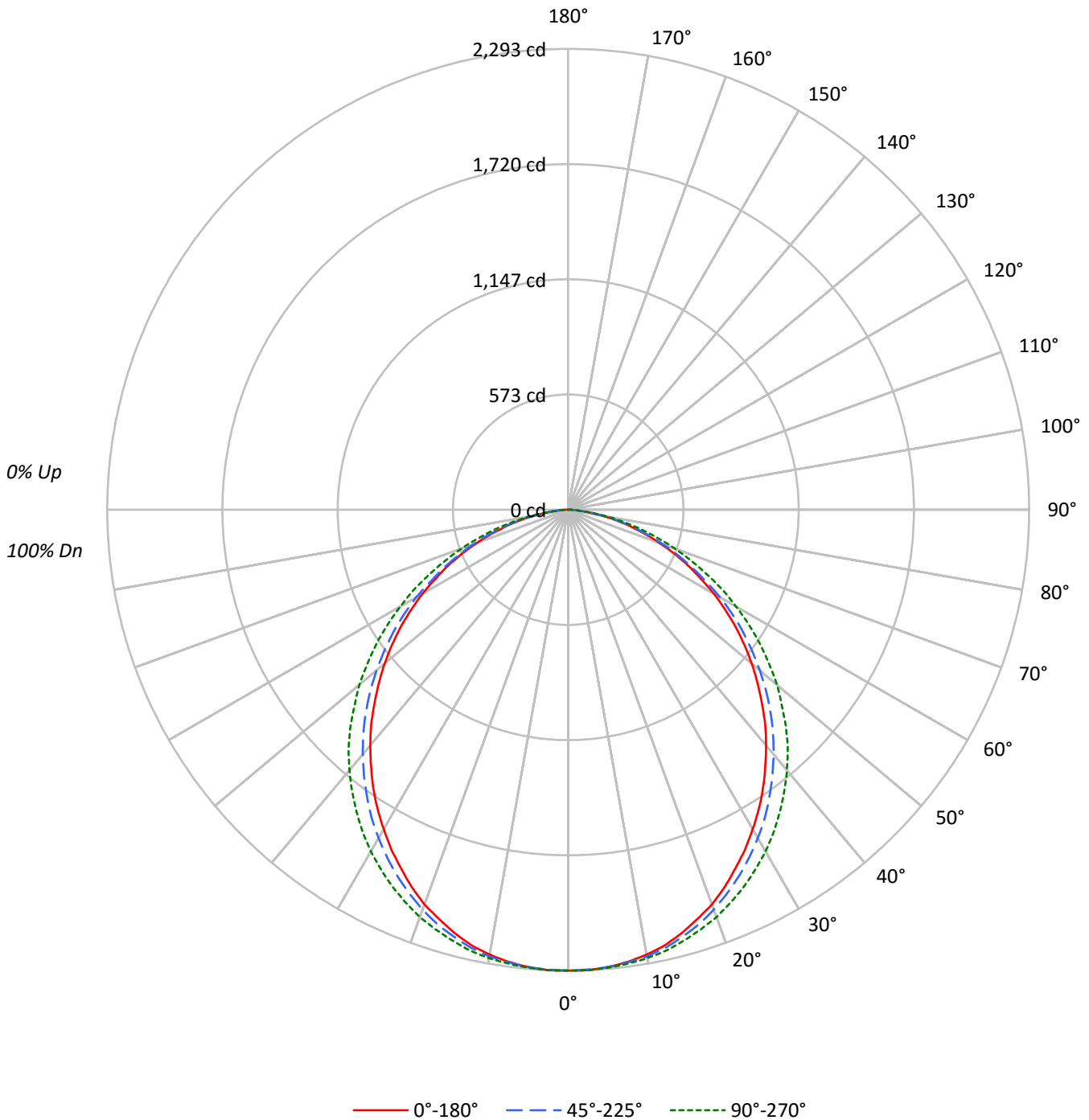
Lumens per Lamp: N/A
Luminaire Lumens: 6054.0 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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



TEST NUMBER: P383974
CATALOG NUMBER: 22ID-60-L830-CFR2

Luminous Intensity Polar Plot





TEST NUMBER: P383974

CATALOG NUMBER: 22ID-60-L830-CFR2

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°	6171	6171	6171
5°	6170	6170	6179
10°	6142	6167	6192
15°	6076	6127	6186
20°	5985	6064	6176
25°	5845	5972	6143
30°	5703	5863	6099
35°	5551	5730	6029
40°	5381	5584	5946
45°	5183	5414	5830
50°	4991	5207	5677
55°	4768	4981	5465
60°	4506	4702	5192
65°	4192	4327	4848
70°	3795	3938	4439
75°	3311	3438	3879
80°	2679	2726	3056
85°	1593	1778	1497



TEST NUMBER: P383974

CATALOG NUMBER: 22ID-60-L830-CFR2

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.1	3.6
10°-20°	620.5	10.2
20°-30°	928.2	15.3
30°-40°	1096.7	18.1
40°-50°	1106.6	18.3
50°-60°	961.0	15.9
60°-70°	689.1	11.4
70°-80°	359.0	5.9
80°-90°	75.8	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°	1765.8	29.2
0°-40°	2862.5	47.3
0°-60°	4930.1	81.4
0°-90°	6054.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6054.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2293	2293	2293	2293	2293	
5°	2284	2281	2284	2284	2287	217
15°	2181	2184	2199	2214	2220	615
25°	1969	1981	2011	2051	2069	907
35°	1690	1702	1744	1808	1835	1056
45°	1362	1377	1423	1496	1532	1052
55°	1016	1025	1062	1132	1165	908
65°	658	655	680	731	761	651
75°	318	316	331	355	373	340
85°	52	58	58	52	48	74
90°	0	0	0	0	0	



TEST NUMBER: P383974

CATALOG NUMBER: 22ID-60-L830-CFR2

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2293.3	2293.3	2293.3	2293.3	2293.3
2.5°	2293.3	2290.3	2290.3	2290.3	2293.3
5°	2284.2	2281.2	2284.2	2284.2	2287.3
7.5°	2269.1	2266.0	2272.1	2275.1	2278.2
10°	2247.8	2247.8	2256.9	2263.0	2266.0
12.5°	2220.5	2220.5	2232.7	2241.8	2247.8
15°	2181.1	2184.1	2199.3	2214.5	2220.5
17.5°	2135.6	2144.7	2162.9	2184.1	2190.2
20°	2090.1	2096.2	2117.4	2144.7	2156.8
22.5°	2032.5	2041.6	2065.8	2102.2	2114.4
25°	1968.7	1980.9	2011.2	2050.7	2068.9
27.5°	1905.0	1914.1	1950.5	1996.1	2017.3
30°	1835.3	1847.4	1886.8	1938.4	1962.7
32.5°	1765.5	1774.6	1820.1	1874.7	1902.0
35°	1689.7	1701.8	1744.3	1808.0	1835.3
37.5°	1610.8	1626.0	1668.4	1735.2	1765.5
40°	1531.9	1541.0	1589.6	1656.3	1692.7
42.5°	1450.0	1462.2	1507.7	1580.5	1616.9
45°	1362.0	1377.2	1422.7	1495.5	1531.9
47.5°	1277.1	1292.3	1334.7	1407.5	1440.9
50°	1192.2	1201.3	1243.7	1316.5	1356.0
52.5°	1104.2	1113.3	1152.7	1222.5	1258.9
55°	1016.2	1025.3	1061.7	1131.5	1164.9
57.5°	925.2	931.3	967.7	1031.4	1064.8
60°	837.2	840.3	873.7	931.3	964.7
62.5°	743.2	746.2	770.5	837.2	867.6
65°	658.3	655.2	679.5	731.1	761.4
67.5°	570.3	570.3	591.5	637.0	661.3
70°	482.3	482.3	500.5	540.0	564.2
72.5°	400.4	400.4	415.6	445.9	464.1
75°	318.5	315.5	330.7	354.9	373.1
77.5°	242.7	242.7	248.7	270.0	282.1
80°	172.9	172.9	175.9	188.1	197.2
82.5°	109.2	109.2	109.2	115.3	118.3
85°	51.6	57.6	57.6	51.6	48.5
87.5°	24.3	24.3	21.2	21.2	21.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)