

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: P384313

Luminaire Tested: **22ID-60-L850-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-68)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-60-L850-CFD2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

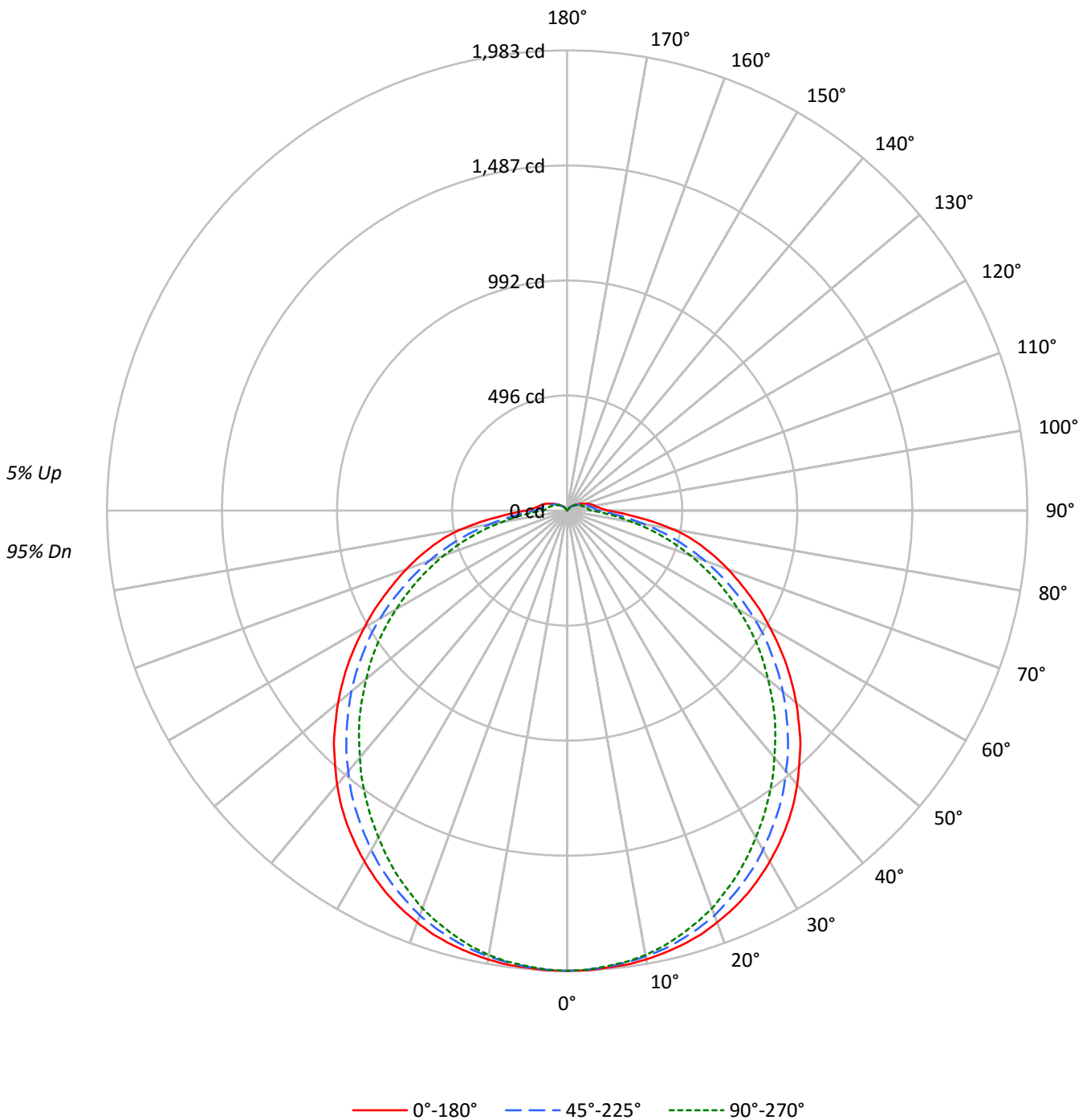
Lumens per Lamp: N/A
Luminaire Lumens: 6433.1 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 51.4
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	106	101	96	92	103	98	94	90	93	90	86	88	85	83	84	81	79	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	87	76	68	61	84	74	67	60	71	64	58	67	62	57	64	59	55	53
4	80	68	58	51	77	66	57	51	63	55	50	60	53	48	57	51	47	45
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	51	45	41	38
6	68	54	45	38	65	53	44	38	50	43	37	48	42	36	46	40	36	33
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	32	30
8	58	45	36	30	56	44	35	30	42	35	29	40	34	29	39	33	28	26
9	54	41	33	27	53	40	32	27	39	31	26	37	31	26	36	30	25	24
10	51	38	30	24	50	37	29	24	36	29	24	34	28	23	33	27	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5337	5337	5337
5°	5302	5277	5284
10°	5289	5223	5236
15°	5272	5164	5157
20°	5251	5099	5071
25°	5223	5007	4955
30°	5178	4911	4822
35°	5129	4807	4695
40°	5063	4691	4562
45°	4995	4575	4447
50°	4908	4457	4302
55°	4832	4315	4178
60°	4748	4164	4000
65°	4700	3960	3823
70°	4718	3762	3616
75°	4814	3493	3347
80°	4885	3136	3006
85°	4621	2819	2772



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.7	2.9
10°-20°	539.8	8.4
20°-30°	819.9	12.7
30°-40°	990.3	15.4
40°-50°	1036.5	16.1
50°-60°	961.8	15.0
60°-70°	779.0	12.1
70°-80°	525.7	8.2
80°-90°	254.0	3.9
90°-100°	127.8	2.0
100°-110°	92.9	1.4
110°-120°	62.1	1.0
120°-130°	36.0	0.6
130°-140°	18.1	0.3
140°-150°	1.4	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1547.4	24.1
0°-40°	2537.7	39.4
0°-60°	4536.1	70.5
0°-90°	6094.9	94.7
90°-120°	282.7	4.4
90°-150°	338.2	5.3
90°-180°	338.0	5.3
0°-180°	6433.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1983	1983	1983	1983	1983	
5°	1977	1974	1974	1970	1970	188
15°	1935	1925	1912	1899	1893	547
25°	1828	1811	1779	1746	1734	842
35°	1652	1630	1584	1536	1513	1034
45°	1422	1396	1344	1289	1266	1095
55°	1152	1126	1074	1023	997	1030
65°	870	838	779	737	708	863
75°	607	545	484	448	422	639
85°	292	253	214	195	175	276
90°	175	159	136	123	104	100
95°	140	130	117	104	91	110
105°	104	97	88	78	71	111
115°	71	65	65	55	55	71
125°	45	39	42	36	39	40
135°	26	23	23	23	26	20
145°	0	0	0	0	0	2
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1983.4	1983.4	1983.4	1983.4	1983.4
2.5°	1983.4	1980.2	1980.2	1980.2	1980.2
5°	1977.0	1973.7	1973.7	1970.5	1970.5
7.5°	1973.7	1967.2	1964.0	1960.7	1960.7
10°	1964.0	1957.5	1951.0	1944.5	1944.5
12.5°	1951.0	1944.5	1934.8	1921.8	1921.8
15°	1934.8	1925.0	1912.0	1899.0	1892.6
17.5°	1915.3	1905.5	1886.1	1866.6	1860.1
20°	1889.3	1876.3	1856.8	1830.9	1824.4
22.5°	1860.1	1847.1	1817.9	1791.9	1778.9
25°	1827.6	1811.4	1778.9	1746.5	1733.5
27.5°	1788.7	1772.4	1736.7	1697.8	1681.5
30°	1746.5	1727.0	1688.0	1645.8	1626.4
32.5°	1701.0	1678.3	1636.1	1590.7	1571.2
35°	1652.3	1629.6	1584.2	1535.5	1512.7
37.5°	1600.4	1577.7	1529.0	1477.0	1454.3
40°	1542.0	1519.2	1467.3	1415.4	1389.4
42.5°	1480.3	1460.8	1408.9	1353.7	1327.7
45°	1421.8	1395.9	1343.9	1288.8	1266.0
47.5°	1353.7	1334.2	1279.0	1223.8	1197.9
50°	1288.8	1266.0	1214.1	1158.9	1129.7
52.5°	1220.6	1201.1	1145.9	1090.7	1064.8
55°	1152.4	1126.4	1074.5	1022.6	996.6
57.5°	1081.0	1058.3	1006.3	957.6	925.2
60°	1009.6	986.9	931.7	886.2	850.5
62.5°	941.4	915.4	857.0	808.3	779.1
65°	870.0	837.5	779.1	736.9	707.7
67.5°	801.8	762.9	704.4	665.5	636.3
70°	736.9	691.4	633.0	594.1	564.8
72.5°	672.0	616.8	555.1	519.4	493.4
75°	607.0	545.4	483.7	448.0	422.0
77.5°	542.1	470.7	409.0	379.8	353.8
80°	464.2	396.0	337.6	311.6	285.7
82.5°	376.6	321.4	272.7	246.7	227.2
85°	292.2	253.2	214.3	194.8	175.3
87.5°	227.2	198.0	168.8	152.6	136.3
90°	175.3	159.1	136.3	123.4	103.9
92.5°	152.6	139.6	123.4	110.4	94.1
95°	139.6	129.8	116.9	103.9	90.9
97.5°	126.6	120.1	107.1	97.4	84.4
100°	120.1	110.4	100.6	90.9	81.2
102.5°	113.6	103.9	94.1	84.4	77.9
105°	103.9	97.4	87.6	77.9	71.4
107.5°	97.4	87.6	81.2	71.4	68.2
110°	87.6	81.2	74.7	68.2	64.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	77.9	74.7	68.2	61.7	58.4
115°	71.4	64.9	64.9	55.2	55.2
117.5°	64.9	58.4	58.4	51.9	51.9
120°	55.2	51.9	51.9	45.4	45.4
122.5°	48.7	45.4	45.4	42.2	42.2
125°	45.4	39.0	42.2	35.7	39.0
127.5°	39.0	35.7	35.7	32.5	35.7
130°	32.5	29.2	29.2	29.2	32.5
132.5°	29.2	26.0	26.0	26.0	29.2
135°	26.0	22.7	22.7	22.7	26.0
137.5°	22.7	19.5	16.2	19.5	22.7
140°	19.5	16.2	13.0	16.2	19.5
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)