

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: P384660

Luminaire Tested: **22ID-75-L840-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384660
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-69)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-75-L840-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

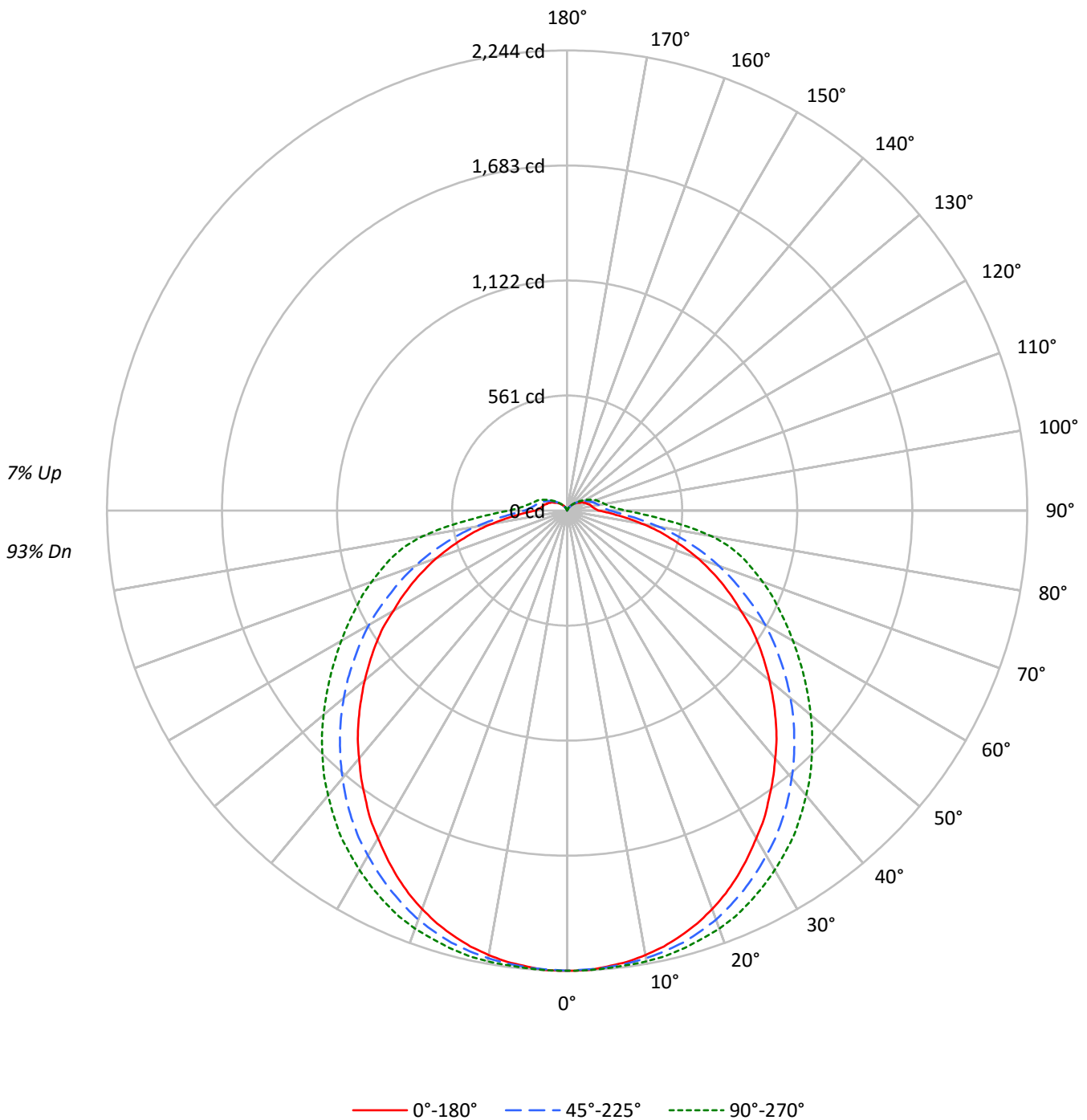
Lumens per Lamp: N/A
Luminaire Lumens: 7852.2 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 66.8
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	105	100	95	91	102	97	93	89	91	88	84	86	83	80	81	79	77	74
2	95	86	79	73	92	84	77	71	79	73	68	74	70	66	70	67	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	42
5	72	59	50	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	39	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6038	6038	6038
5°	5964	5948	5985
10°	5884	5873	5968
15°	5785	5802	5954
20°	5664	5711	5942
25°	5515	5596	5911
30°	5345	5476	5868
35°	5181	5357	5832
40°	5018	5211	5764
45°	4862	5066	5709
50°	4694	4915	5650
55°	4537	4753	5612
60°	4331	4599	5631
65°	4169	4376	5722
70°	3968	4168	5940
75°	3692	3876	6274
80°	3373	3516	6463
85°	3037	3082	5825



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.8	2.7
10°-20°	614.8	7.8
20°-30°	939.4	12.0
30°-40°	1143.4	14.6
40°-50°	1208.6	15.4
50°-60°	1140.8	14.5
60°-70°	959.8	12.2
70°-80°	692.0	8.8
80°-90°	364.9	4.6
90°-100°	195.3	2.5
100°-110°	148.3	1.9
110°-120°	107.6	1.4
120°-130°	67.6	0.9
130°-140°	36.5	0.5
140°-150°	15.9	0.2
150°-160°	4.3	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1766.9	22.5
0°-40°	2910.4	37.1
0°-60°	5259.8	67.0
0°-90°	7276.5	92.7
90°-120°	451.3	5.7
90°-150°	571.3	7.3
90°-180°	576.0	7.3
0°-180°	7852.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2244	2244	2244	2244	2244	
5°	2232	2232	2236	2236	2240	212
15°	2146	2154	2181	2197	2209	605
25°	1966	1989	2040	2087	2107	905
35°	1715	1754	1833	1903	1931	1074
45°	1437	1480	1566	1653	1688	1109
55°	1140	1190	1269	1363	1410	1018
65°	830	877	948	1065	1140	821
75°	521	564	619	740	885	553
85°	239	270	302	376	458	224
90°	153	180	208	247	282	87
95°	133	153	176	200	215	106
105°	114	125	141	157	164	119
115°	90	98	110	118	125	91
125°	67	67	78	78	82	60
135°	47	43	47	47	51	35
145°	27	24	24	24	27	17
155°	12	12	4	8	12	6
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°	2243.9	2243.9	2243.9	2243.9	2243.9
2.5°	2243.9	2240.0	2240.0	2240.0	2243.9
5°	2232.1	2232.1	2236.0	2236.0	2240.0
7.5°	2220.4	2220.4	2228.2	2232.1	2236.0
10°	2200.8	2204.7	2216.5	2224.3	2232.1
12.5°	2177.3	2181.2	2200.8	2216.5	2224.3
15°	2146.0	2153.8	2181.2	2196.9	2208.6
17.5°	2110.7	2122.5	2153.8	2177.3	2189.1
20°	2067.7	2083.3	2122.5	2153.8	2169.5
22.5°	2020.7	2036.3	2083.3	2122.5	2142.1
25°	1965.8	1989.3	2040.2	2087.2	2106.8
27.5°	1907.1	1934.5	1993.3	2048.1	2067.7
30°	1844.4	1875.8	1942.3	2001.1	2024.6
32.5°	1785.7	1817.0	1891.4	1954.1	1977.6
35°	1715.2	1754.4	1832.7	1903.2	1930.6
37.5°	1648.6	1687.8	1770.0	1844.4	1871.9
40°	1578.2	1617.3	1703.5	1785.7	1813.1
42.5°	1511.6	1550.7	1636.9	1723.0	1754.4
45°	1437.2	1480.3	1566.4	1652.6	1687.8
47.5°	1362.8	1405.9	1495.9	1586.0	1621.2
50°	1288.4	1335.4	1421.5	1511.6	1550.7
52.5°	1214.0	1261.0	1347.1	1441.1	1480.3
55°	1139.6	1190.5	1268.8	1362.8	1409.8
57.5°	1065.2	1116.1	1194.4	1292.3	1339.3
60°	979.0	1037.7	1116.1	1217.9	1272.7
62.5°	904.6	955.5	1033.8	1139.6	1206.1
65°	830.2	877.2	947.7	1065.2	1139.6
67.5°	751.9	802.8	869.4	979.0	1080.8
70°	677.5	720.5	787.1	900.7	1014.2
72.5°	599.2	642.2	704.9	822.4	947.7
75°	520.8	563.9	618.7	740.1	885.0
77.5°	450.3	485.6	536.5	654.0	810.6
80°	372.0	407.3	454.3	560.0	712.7
82.5°	301.5	332.9	372.0	466.0	587.4
85°	238.9	270.2	301.5	375.9	458.2
87.5°	191.9	215.4	246.7	301.5	356.4
90°	152.7	180.1	207.5	246.7	282.0
92.5°	141.0	164.5	188.0	219.3	242.8
95°	133.1	152.7	176.2	199.7	215.4
97.5°	125.3	144.9	164.5	188.0	199.7
100°	121.4	137.1	156.6	176.2	184.1
102.5°	117.5	129.2	148.8	164.5	176.2
105°	113.6	125.3	141.0	156.6	164.5
107.5°	105.7	117.5	133.1	148.8	156.6
110°	101.8	109.6	125.3	137.1	148.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	97.9	105.7	117.5	129.2	137.1
115°	90.1	97.9	109.6	117.5	125.3
117.5°	86.2	90.1	101.8	105.7	113.6
120°	78.3	82.2	94.0	97.9	101.8
122.5°	70.5	74.4	86.2	86.2	94.0
125°	66.6	66.6	78.3	78.3	82.2
127.5°	62.7	62.7	70.5	70.5	74.4
130°	54.8	54.8	62.7	62.7	62.7
132.5°	50.9	47.0	54.8	54.8	58.7
135°	47.0	43.1	47.0	47.0	50.9
137.5°	39.2	39.2	43.1	39.2	43.1
140°	35.2	31.3	35.2	35.2	39.2
142.5°	31.3	27.4	31.3	27.4	31.3
145°	27.4	23.5	23.5	23.5	27.4
147.5°	23.5	19.6	19.6	19.6	23.5
150°	19.6	15.7	15.7	15.7	19.6
152.5°	15.7	11.7	7.8	11.7	15.7
155°	11.7	11.7	3.9	7.8	11.7
157.5°	7.8	7.8	0.0	3.9	7.8
160°	3.9	3.9	0.0	3.9	3.9
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)