

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: P384649

Luminaire Tested: **22ID-60-L850-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384649
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-60-L850-CFD3
Description: 2X2 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

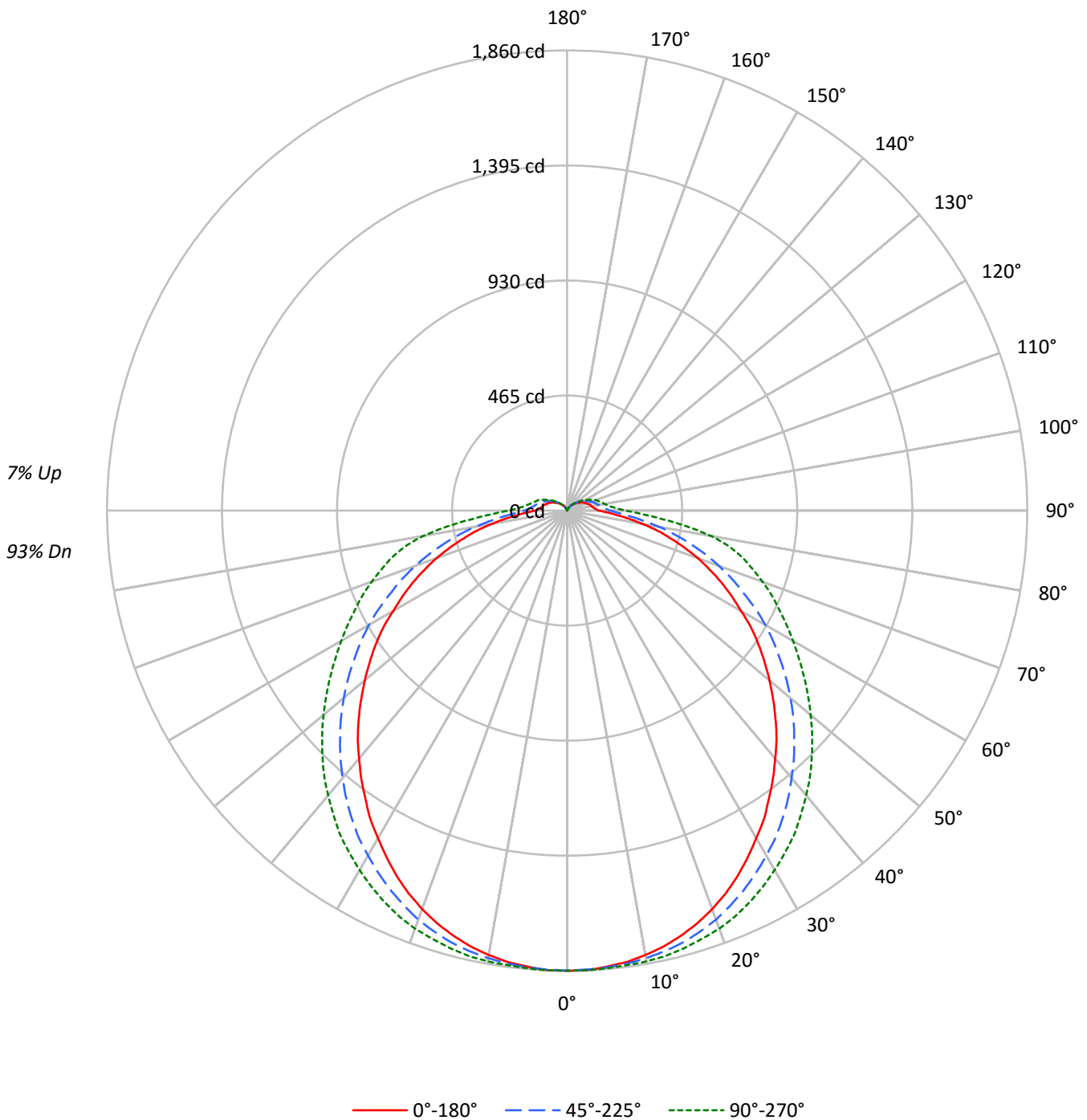
Lumens per Lamp: N/A
Luminaire Lumens: 6507.8 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.25')
CIE Type: Direct

Input Watts (W): 51.4
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°	5004	5004	5004
5°	4943	4930	4961
10°	4877	4868	4946
15°	4794	4809	4934
20°	4694	4733	4925
25°	4571	4638	4899
30°	4430	4539	4863
35°	4294	4440	4833
40°	4159	4319	4778
45°	4029	4198	4732
50°	3891	4074	4683
55°	3760	3939	4651
60°	3590	3811	4667
65°	3455	3626	4743
70°	3288	3455	4923
75°	3061	3212	5200
80°	2796	2914	5357
85°	2517	2554	4827



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.3	2.7
10°-20°	509.6	7.8
20°-30°	778.5	12.0
30°-40°	947.7	14.6
40°-50°	1001.6	15.4
50°-60°	945.5	14.5
60°-70°	795.5	12.2
70°-80°	573.5	8.8
80°-90°	302.4	4.6
90°-100°	161.9	2.5
100°-110°	122.9	1.9
110°-120°	89.2	1.4
120°-130°	56.0	0.9
130°-140°	30.3	0.5
140°-150°	13.2	0.2
150°-160°	3.5	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1464.4	22.5
0°-40°	2412.1	37.1
0°-60°	4359.3	67.0
0°-90°	6030.7	92.7
90°-120°	374.0	5.7
90°-150°	473.5	7.3
90°-180°	477.0	7.3
0°-180°	6507.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1860	1860	1860	1860	1860	
5°	1850	1850	1853	1853	1856	176
15°	1779	1785	1808	1821	1830	502
25°	1629	1649	1691	1730	1746	750
35°	1422	1454	1519	1577	1600	890
45°	1191	1227	1298	1370	1399	919
55°	944	987	1052	1130	1168	844
65°	688	727	785	883	944	680
75°	432	467	513	613	734	458
85°	198	224	250	312	380	185
90°	127	149	172	204	234	72
95°	110	127	146	166	178	88
105°	94	104	117	130	136	98
115°	75	81	91	97	104	75
125°	55	55	65	65	68	50
135°	39	36	39	39	42	29
145°	23	20	20	20	23	14
155°	10	10	3	6	10	5
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°	1859.7	1859.7	1859.7	1859.7	1859.7
2.5°	1859.7	1856.5	1856.5	1856.5	1859.7
5°	1850.0	1850.0	1853.2	1853.2	1856.5
7.5°	1840.2	1840.2	1846.7	1850.0	1853.2
10°	1824.0	1827.2	1837.0	1843.5	1850.0
12.5°	1804.5	1807.8	1824.0	1837.0	1843.5
15°	1778.6	1785.1	1807.8	1820.8	1830.5
17.5°	1749.3	1759.1	1785.1	1804.5	1814.3
20°	1713.6	1726.6	1759.1	1785.1	1798.0
22.5°	1674.7	1687.7	1726.6	1759.1	1775.3
25°	1629.3	1648.7	1690.9	1729.9	1746.1
27.5°	1580.6	1603.3	1652.0	1697.4	1713.6
30°	1528.7	1554.6	1609.8	1658.5	1677.9
32.5°	1480.0	1505.9	1567.6	1619.5	1639.0
35°	1421.5	1454.0	1518.9	1577.3	1600.1
37.5°	1366.4	1398.8	1467.0	1528.7	1551.4
40°	1308.0	1340.4	1411.8	1480.0	1502.7
42.5°	1252.8	1285.2	1356.6	1428.0	1454.0
45°	1191.1	1226.8	1298.2	1369.6	1398.8
47.5°	1129.5	1165.2	1239.8	1314.4	1343.7
50°	1067.8	1106.7	1178.1	1252.8	1285.2
52.5°	1006.1	1045.1	1116.5	1194.4	1226.8
55°	944.5	986.6	1051.6	1129.5	1168.4
57.5°	882.8	925.0	989.9	1071.0	1110.0
60°	811.4	860.1	925.0	1009.4	1054.8
62.5°	749.7	791.9	856.8	944.5	999.6
65°	688.1	727.0	785.4	882.8	944.5
67.5°	623.1	665.3	720.5	811.4	895.8
70°	561.5	597.2	652.4	746.5	840.6
72.5°	496.6	532.3	584.2	681.6	785.4
75°	431.7	467.4	512.8	613.4	733.5
77.5°	373.2	402.4	444.6	542.0	671.8
80°	308.3	337.5	376.5	464.1	590.7
82.5°	249.9	275.9	308.3	386.2	486.8
85°	198.0	223.9	249.9	311.6	379.7
87.5°	159.0	178.5	204.5	249.9	295.3
90°	126.6	149.3	172.0	204.5	233.7
92.5°	116.8	136.3	155.8	181.8	201.2
95°	110.3	126.6	146.0	165.5	178.5
97.5°	103.9	120.1	136.3	155.8	165.5
100°	100.6	113.6	129.8	146.0	152.5
102.5°	97.4	107.1	123.3	136.3	146.0
105°	94.1	103.9	116.8	129.8	136.3
107.5°	87.6	97.4	110.3	123.3	129.8
110°	84.4	90.9	103.9	113.6	123.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	81.1	87.6	97.4	107.1	113.6
115°	74.6	81.1	90.9	97.4	103.9
117.5°	71.4	74.6	84.4	87.6	94.1
120°	64.9	68.2	77.9	81.1	84.4
122.5°	58.4	61.7	71.4	71.4	77.9
125°	55.2	55.2	64.9	64.9	68.2
127.5°	51.9	51.9	58.4	58.4	61.7
130°	45.4	45.4	51.9	51.9	51.9
132.5°	42.2	38.9	45.4	45.4	48.7
135°	38.9	35.7	38.9	38.9	42.2
137.5°	32.5	32.5	35.7	32.5	35.7
140°	29.2	26.0	29.2	29.2	32.5
142.5°	26.0	22.7	26.0	22.7	26.0
145°	22.7	19.5	19.5	19.5	22.7
147.5°	19.5	16.2	16.2	16.2	19.5
150°	16.2	13.0	13.0	13.0	16.2
152.5°	13.0	9.7	6.5	9.7	13.0
155°	9.7	9.7	3.2	6.5	9.7
157.5°	6.5	6.5	0.0	3.2	6.5
160°	3.2	3.2	0.0	3.2	3.2
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)