

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: P384259

Luminaire Tested: **14ID-65-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384259
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: 14ID-65-L835-CFD2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

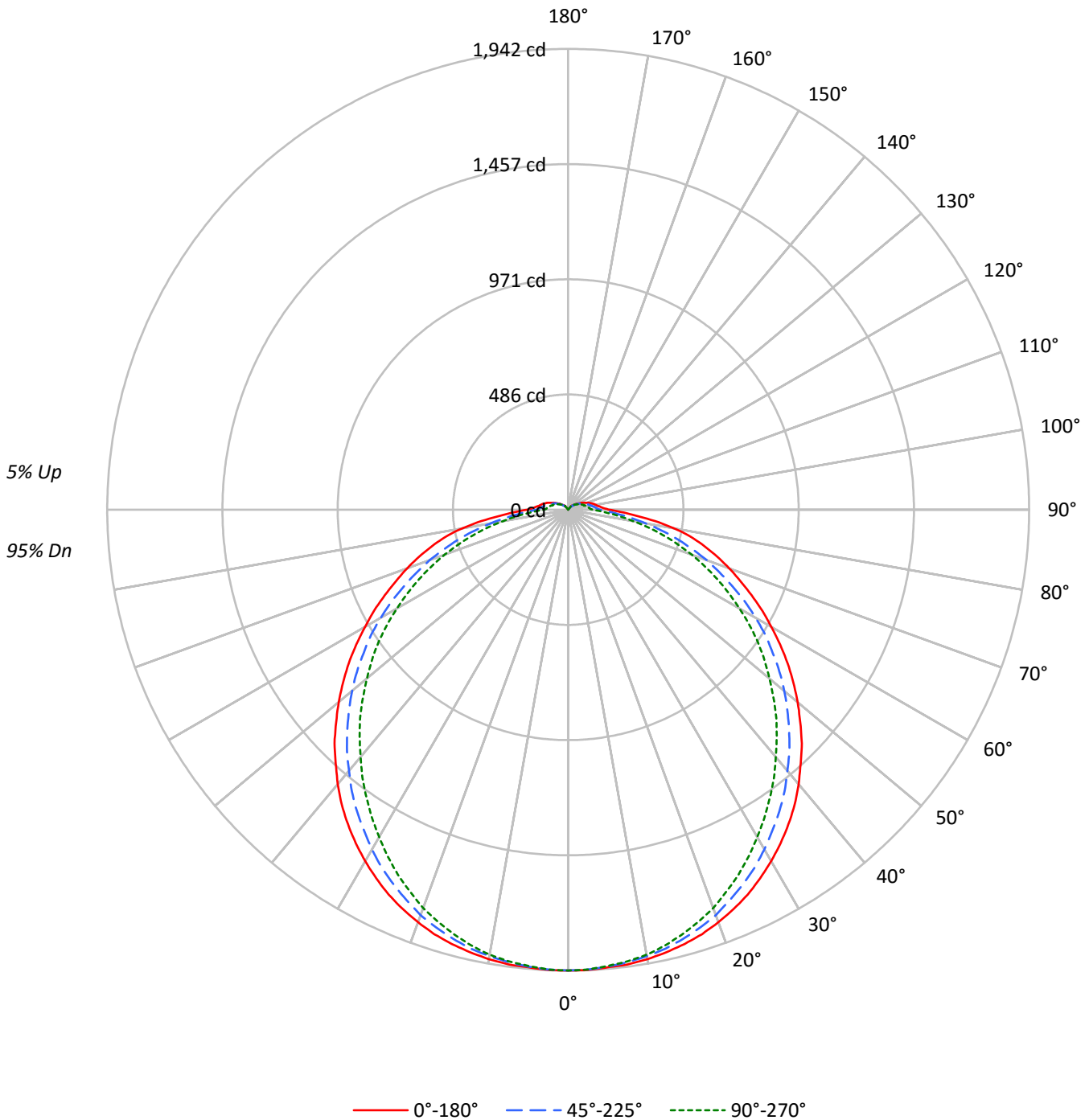
Lumens per Lamp: N/A
Luminaire Lumens: 6299.1 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 58.4
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°	5226	5226	5226
5°	5210	5154	5137
10°	5217	5088	5054
15°	5220	5018	4942
20°	5219	4942	4823
25°	5212	4840	4676
30°	5189	4733	4514
35°	5164	4619	4357
40°	5124	4492	4193
45°	5086	4365	4044
50°	5033	4234	3864
55°	4997	4078	3698
60°	4962	3912	3478
65°	4979	3691	3250
70°	5094	3471	2985
75°	5348	3177	2649
80°	5697	2791	2228
85°	5984	2414	1824



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.8	2.9
10°-20°	528.6	8.4
20°-30°	802.8	12.7
30°-40°	969.7	15.4
40°-50°	1014.9	16.1
50°-60°	941.8	15.0
60°-70°	762.8	12.1
70°-80°	514.8	8.2
80°-90°	248.7	3.9
90°-100°	125.1	2.0
100°-110°	90.9	1.4
110°-120°	60.8	1.0
120°-130°	35.2	0.6
130°-140°	17.8	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°	1515.2	24.1
0°-40°	2484.9	39.4
0°-60°	4441.6	70.5
0°-90°	5967.9	94.7
90°-120°	276.9	4.4
90°-150°	331.2	5.3
90°-180°	331.0	5.3
0°-180°	6299.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1942	1942	1942	1942	1942	
5°	1936	1933	1933	1929	1929	184
15°	1894	1885	1872	1860	1853	535
25°	1790	1774	1742	1710	1697	825
35°	1618	1596	1551	1504	1481	1012
45°	1392	1367	1316	1262	1240	1072
55°	1128	1103	1052	1001	976	1009
65°	852	820	763	722	693	845
75°	594	534	474	439	413	626
85°	286	248	210	191	172	270
90°	172	156	134	121	102	98
95°	137	127	114	102	89	107
105°	102	95	86	76	70	109
115°	70	64	64	54	54	70
125°	44	38	41	35	38	39
135°	25	22	22	22	25	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°	1942.1	1942.1	1942.1	1942.1	1942.1
2.5°	1942.1	1939.0	1939.0	1939.0	1939.0
5°	1935.8	1932.6	1932.6	1929.4	1929.4
7.5°	1932.6	1926.2	1923.1	1919.9	1919.9
10°	1923.1	1916.7	1910.3	1904.0	1904.0
12.5°	1910.3	1904.0	1894.5	1881.7	1881.7
15°	1894.5	1884.9	1872.2	1859.5	1853.1
17.5°	1875.4	1865.8	1846.8	1827.7	1821.3
20°	1850.0	1837.2	1818.2	1792.7	1786.4
22.5°	1821.3	1808.6	1780.0	1754.6	1741.9
25°	1789.6	1773.7	1741.9	1710.1	1697.4
27.5°	1751.4	1735.5	1700.6	1662.4	1646.5
30°	1710.1	1691.0	1652.9	1611.6	1592.5
32.5°	1665.6	1643.3	1602.0	1557.5	1538.4
35°	1617.9	1595.7	1551.2	1503.5	1481.2
37.5°	1567.1	1544.8	1497.1	1446.3	1424.0
40°	1509.8	1487.6	1436.7	1385.9	1360.4
42.5°	1449.4	1430.4	1379.5	1325.5	1300.1
45°	1392.2	1366.8	1315.9	1261.9	1239.7
47.5°	1325.5	1306.4	1252.4	1198.3	1172.9
50°	1261.9	1239.7	1188.8	1134.8	1106.2
52.5°	1195.2	1176.1	1122.0	1068.0	1042.6
55°	1128.4	1103.0	1052.1	1001.3	975.8
57.5°	1058.5	1036.2	985.4	937.7	905.9
60°	988.5	966.3	912.3	867.8	832.8
62.5°	921.8	896.4	839.2	791.5	762.9
65°	851.9	820.1	762.9	721.5	692.9
67.5°	785.1	747.0	689.8	651.6	623.0
70°	721.5	677.0	619.8	581.7	553.1
72.5°	658.0	603.9	543.5	508.6	483.1
75°	594.4	534.0	473.6	438.6	413.2
77.5°	530.8	460.9	400.5	371.9	346.5
80°	454.5	387.8	330.6	305.1	279.7
82.5°	368.7	314.7	267.0	241.6	222.5
85°	286.1	247.9	209.8	190.7	171.6
87.5°	222.5	193.9	165.3	149.4	133.5
90°	171.6	155.8	133.5	120.8	101.7
92.5°	149.4	136.7	120.8	108.1	92.2
95°	136.7	127.1	114.4	101.7	89.0
97.5°	124.0	117.6	104.9	95.4	82.6
100°	117.6	108.1	98.5	89.0	79.5
102.5°	111.3	101.7	92.2	82.6	76.3
105°	101.7	95.4	85.8	76.3	69.9
107.5°	95.4	85.8	79.5	69.9	66.8
110°	85.8	79.5	73.1	66.8	63.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	76.3	73.1	66.8	60.4	57.2
115°	69.9	63.6	63.6	54.0	54.0
117.5°	63.6	57.2	57.2	50.9	50.9
120°	54.0	50.9	50.9	44.5	44.5
122.5°	47.7	44.5	44.5	41.3	41.3
125°	44.5	38.1	41.3	35.0	38.1
127.5°	38.1	35.0	35.0	31.8	35.0
130°	31.8	28.6	28.6	28.6	31.8
132.5°	28.6	25.4	25.4	25.4	28.6
135°	25.4	22.3	22.3	22.3	25.4
137.5°	22.3	19.1	15.9	19.1	22.3
140°	19.1	15.9	12.7	15.9	19.1
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)