

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: P384703

Luminaire Tested: **24ID-65-L835-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384703
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: 24ID-65-L835-CFD3
Description: 2X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

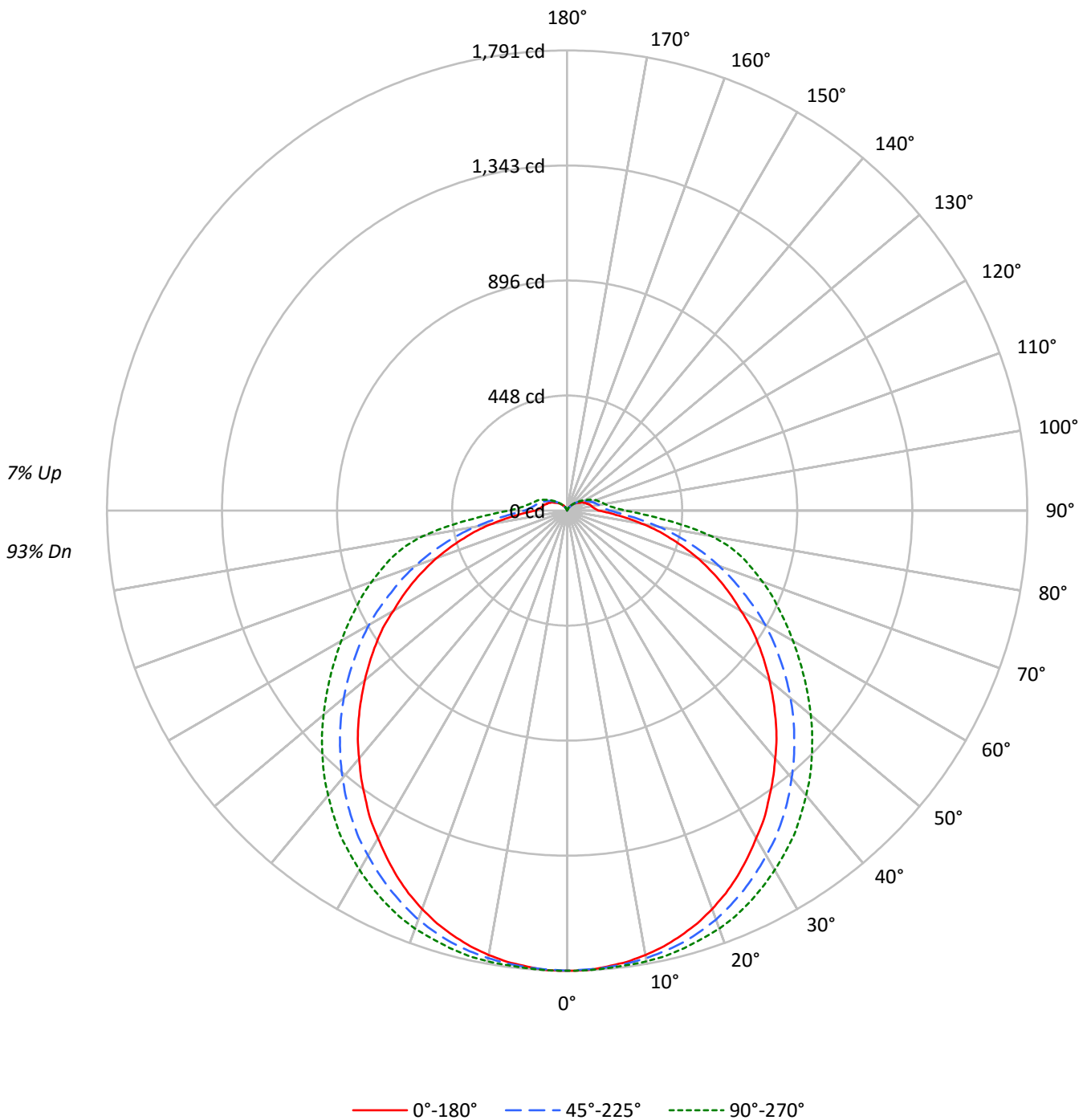
Lumens per Lamp: N/A
Luminaire Lumens: 6266.6 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 4' x H: 0.25')
CIE Type: Direct

Input Watts (W): 60.5
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°	2410	2410	2410
5°	2393	2383	2388
10°	2374	2362	2381
15°	2346	2342	2376
20°	2310	2314	2371
25°	2263	2277	2359
30°	2207	2237	2341
35°	2154	2198	2327
40°	2102	2149	2300
45°	2054	2100	2278
50°	2003	2051	2255
55°	1958	1997	2239
60°	1897	1949	2247
65°	1860	1875	2283
70°	1815	1811	2370
75°	1752	1717	2504
80°	1698	1603	2579
85°	1716	1477	2324



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.8	2.7
10°-20°	490.7	7.8
20°-30°	749.7	12.0
30°-40°	912.6	14.6
40°-50°	964.5	15.4
50°-60°	910.4	14.5
60°-70°	766.0	12.2
70°-80°	552.2	8.8
80°-90°	291.2	4.6
90°-100°	155.9	2.5
100°-110°	118.4	1.9
110°-120°	85.9	1.4
120°-130°	53.9	0.9
130°-140°	29.2	0.5
140°-150°	12.7	0.2
150°-160°	3.4	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1410.1	22.5
0°-40°	2322.7	37.1
0°-60°	4197.7	67.0
0°-90°	5807.1	92.7
90°-120°	360.2	5.7
90°-150°	456.0	7.3
90°-180°	459.0	7.3
0°-180°	6266.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1791	1791	1791	1791	1791	
5°	1781	1781	1784	1784	1788	169
15°	1713	1719	1741	1753	1763	483
25°	1569	1588	1628	1666	1681	722
35°	1369	1400	1463	1519	1541	857
45°	1147	1181	1250	1319	1347	885
55°	909	950	1013	1088	1125	813
65°	663	700	756	850	909	655
75°	416	450	494	591	706	441
85°	191	216	241	300	366	179
90°	122	144	166	197	225	70
95°	106	122	141	159	172	85
105°	91	100	112	125	131	95
115°	72	78	88	94	100	72
125°	53	53	62	62	66	48
135°	38	34	38	38	41	28
145°	22	19	19	19	22	14
155°	9	9	3	6	9	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°	1790.8	1790.8	1790.8	1790.8	1790.8
2.5°	1790.8	1787.6	1787.6	1787.6	1790.8
5°	1781.4	1781.4	1784.5	1784.5	1787.6
7.5°	1772.0	1772.0	1778.3	1781.4	1784.5
10°	1756.4	1759.5	1768.9	1775.1	1781.4
12.5°	1737.6	1740.8	1756.4	1768.9	1775.1
15°	1712.6	1718.9	1740.8	1753.3	1762.6
17.5°	1684.5	1693.9	1718.9	1737.6	1747.0
20°	1650.1	1662.6	1693.9	1718.9	1731.4
22.5°	1612.6	1625.1	1662.6	1693.9	1709.5
25°	1568.9	1587.6	1628.3	1665.8	1681.4
27.5°	1522.0	1543.9	1590.8	1634.5	1650.1
30°	1472.0	1497.0	1550.1	1597.0	1615.8
32.5°	1425.1	1450.1	1509.5	1559.5	1578.3
35°	1368.9	1400.1	1462.6	1518.9	1540.8
37.5°	1315.7	1347.0	1412.6	1472.0	1493.9
40°	1259.5	1290.7	1359.5	1425.1	1447.0
42.5°	1206.3	1237.6	1306.4	1375.1	1400.1
45°	1147.0	1181.3	1250.1	1318.9	1347.0
47.5°	1087.6	1122.0	1193.8	1265.7	1293.9
50°	1028.2	1065.7	1134.5	1206.3	1237.6
52.5°	968.8	1006.3	1075.1	1150.1	1181.3
55°	909.4	950.1	1012.6	1087.6	1125.1
57.5°	850.1	890.7	953.2	1031.3	1068.8
60°	781.3	828.2	890.7	972.0	1015.7
62.5°	721.9	762.6	825.1	909.4	962.6
65°	662.6	700.1	756.3	850.1	909.4
67.5°	600.0	640.7	693.8	781.3	862.6
70°	540.7	575.0	628.2	718.8	809.4
72.5°	478.2	512.5	562.5	656.3	756.3
75°	415.7	450.0	493.8	590.7	706.3
77.5°	359.4	387.5	428.2	521.9	646.9
80°	296.9	325.0	362.5	446.9	568.8
82.5°	240.6	265.6	296.9	371.9	468.8
85°	190.6	215.6	240.6	300.0	365.7
87.5°	153.1	171.9	196.9	240.6	284.4
90°	121.9	143.8	165.6	196.9	225.0
92.5°	112.5	131.3	150.0	175.0	193.8
95°	106.3	121.9	140.6	159.4	171.9
97.5°	100.0	115.6	131.3	150.0	159.4
100°	96.9	109.4	125.0	140.6	146.9
102.5°	93.8	103.1	118.8	131.3	140.6
105°	90.6	100.0	112.5	125.0	131.3
107.5°	84.4	93.8	106.3	118.8	125.0
110°	81.3	87.5	100.0	109.4	118.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	78.1	84.4	93.8	103.1	109.4
115°	71.9	78.1	87.5	93.8	100.0
117.5°	68.8	71.9	81.3	84.4	90.6
120°	62.5	65.6	75.0	78.1	81.3
122.5°	56.3	59.4	68.8	68.8	75.0
125°	53.1	53.1	62.5	62.5	65.6
127.5°	50.0	50.0	56.3	56.3	59.4
130°	43.8	43.8	50.0	50.0	50.0
132.5°	40.6	37.5	43.8	43.8	46.9
135°	37.5	34.4	37.5	37.5	40.6
137.5°	31.3	31.3	34.4	31.3	34.4
140°	28.1	25.0	28.1	28.1	31.3
142.5°	25.0	21.9	25.0	21.9	25.0
145°	21.9	18.8	18.8	18.8	21.9
147.5°	18.8	15.6	15.6	15.6	18.8
150°	15.6	12.5	12.5	12.5	15.6
152.5°	12.5	9.4	6.3	9.4	12.5
155°	9.4	9.4	3.1	6.3	9.4
157.5°	6.3	6.3	0.0	3.1	6.3
160°	3.1	3.1	0.0	3.1	3.1
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)