

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: P384227

Luminaire Tested: **14ID-25-L835-CFD2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384227
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-25-L835-CFD2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

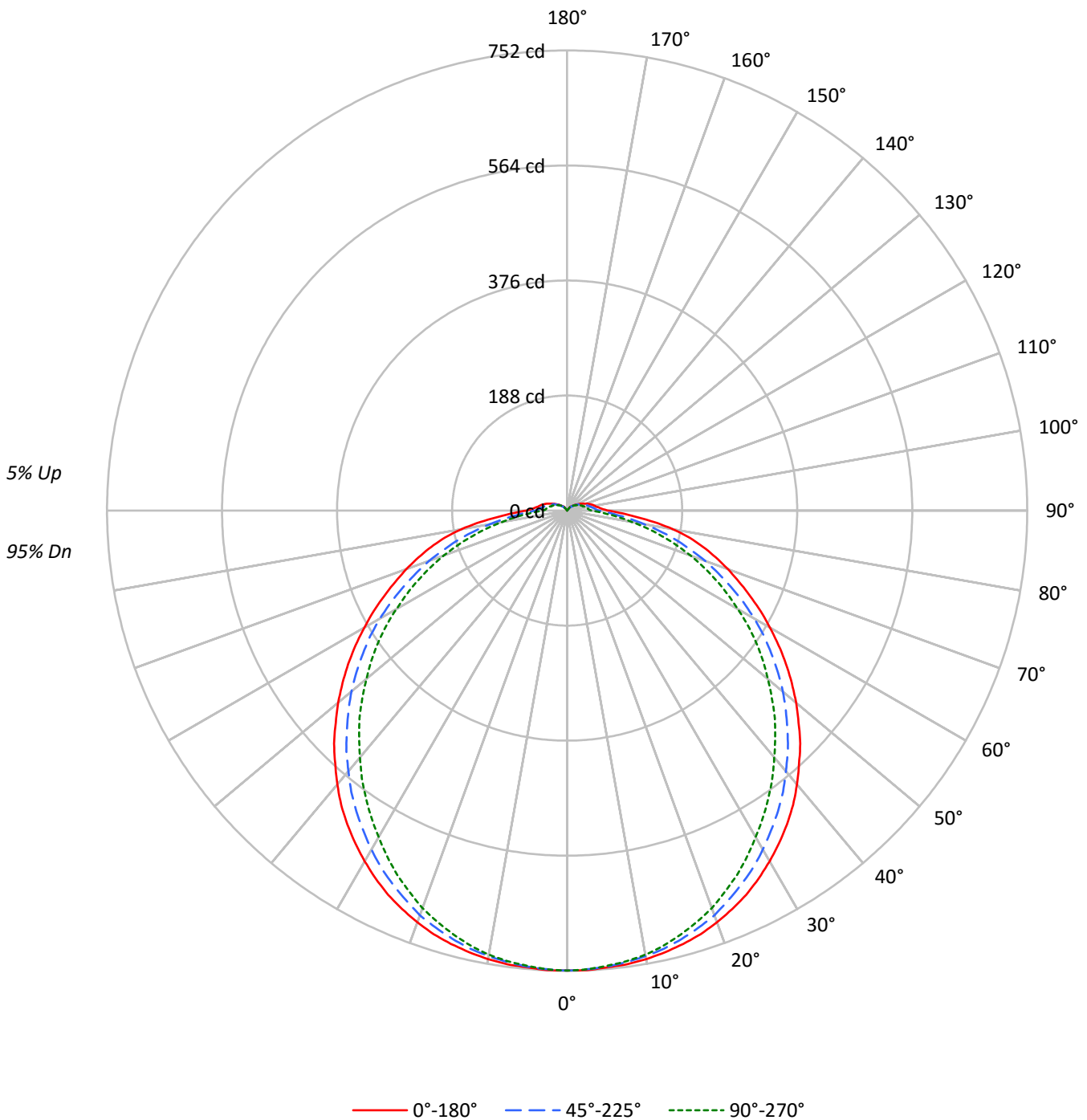
Lumens per Lamp: N/A
Luminaire Lumens: 2437.9 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.22 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 20.4
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97
1	106	101	96	92	103	98	94	90	93	90	86	88	85	83	84	81	79
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66
3	87	76	68	61	84	74	67	60	71	64	58	67	62	57	64	59	55
4	80	68	58	51	77	66	57	51	63	55	50	60	53	48	57	51	47
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	51	45	41
6	68	54	45	38	65	53	44	38	50	43	37	48	42	36	46	40	36
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	32
8	58	45	36	30	56	44	35	30	42	35	29	40	34	29	39	33	28
9	54	41	33	27	53	40	32	27	39	31	26	37	31	26	36	30	25
10	51	38	30	24	50	37	29	24	36	29	24	34	28	23	33	27	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2023	2023	2023
5°	2016	1995	1988
10°	2019	1969	1956
15°	2020	1942	1913
20°	2020	1913	1867
25°	2017	1873	1810
30°	2008	1832	1747
35°	1999	1788	1687
40°	1983	1738	1623
45°	1968	1689	1565
50°	1948	1639	1495
55°	1934	1578	1431
60°	1921	1514	1346
65°	1927	1428	1258
70°	1972	1344	1155
75°	2070	1230	1025
80°	2205	1080	863
85°	2315	934	706



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	2.9
10°-20°	204.6	8.4
20°-30°	310.7	12.7
30°-40°	375.3	15.4
40°-50°	392.8	16.1
50°-60°	364.5	15.0
60°-70°	295.2	12.1
70°-80°	199.2	8.2
80°-90°	96.3	3.9
90°-100°	48.4	2.0
100°-110°	35.2	1.4
110°-120°	23.5	1.0
120°-130°	13.6	0.6
130°-140°	6.9	0.3
140°-150°	0.5	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	586.4	24.1
0°-40°	961.7	39.4
0°-60°	1719.0	70.5
0°-90°	2309.7	94.7
90°-120°	107.1	4.4
90°-150°	128.2	5.3
90°-180°	128.0	5.3
0°-180°	2437.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	752	752	752	752	752	
5°	749	748	748	747	747	71
15°	733	730	725	720	717	207
25°	693	686	674	662	657	319
35°	626	618	600	582	573	392
45°	539	529	509	488	480	415
55°	437	427	407	388	378	390
65°	330	317	295	279	268	327
75°	230	207	183	170	160	242
85°	111	96	81	74	66	105
90°	66	60	52	47	39	38
95°	53	49	44	39	34	42
105°	39	37	33	30	27	42
115°	27	25	25	21	21	27
125°	17	15	16	14	15	15
135°	10	9	9	9	10	8
145°	0	0	0	0	0	1
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°	751.7	751.7	751.7	751.7	751.7
2.5°	751.7	750.4	750.4	750.4	750.4
5°	749.2	748.0	748.0	746.7	746.7
7.5°	748.0	745.5	744.3	743.0	743.0
10°	744.3	741.8	739.3	736.9	736.9
12.5°	739.3	736.9	733.2	728.3	728.3
15°	733.2	729.5	724.6	719.7	717.2
17.5°	725.8	722.1	714.7	707.4	704.9
20°	716.0	711.1	703.7	693.8	691.4
22.5°	704.9	700.0	688.9	679.1	674.1
25°	692.6	686.4	674.1	661.8	656.9
27.5°	677.8	671.7	658.2	643.4	637.2
30°	661.8	654.5	639.7	623.7	616.3
32.5°	644.6	636.0	620.0	602.8	595.4
35°	626.2	617.6	600.3	581.9	573.3
37.5°	606.5	597.9	579.4	559.7	551.1
40°	584.3	575.7	556.0	536.4	526.5
42.5°	561.0	553.6	533.9	513.0	503.2
45°	538.8	529.0	509.3	488.4	479.8
47.5°	513.0	505.6	484.7	463.8	453.9
50°	488.4	479.8	460.1	439.2	428.1
52.5°	462.6	455.2	434.3	413.3	403.5
55°	436.7	426.9	407.2	387.5	377.7
57.5°	409.7	401.0	381.4	362.9	350.6
60°	382.6	374.0	353.1	335.8	322.3
62.5°	356.8	346.9	324.8	306.3	295.2
65°	329.7	317.4	295.2	279.3	268.2
67.5°	303.9	289.1	267.0	252.2	241.1
70°	279.3	262.0	239.9	225.1	214.1
72.5°	254.7	233.7	210.4	196.8	187.0
75°	230.0	206.7	183.3	169.8	159.9
77.5°	205.4	178.4	155.0	143.9	134.1
80°	175.9	150.1	127.9	118.1	108.3
82.5°	142.7	121.8	103.3	93.5	86.1
85°	110.7	96.0	81.2	73.8	66.4
87.5°	86.1	75.0	64.0	57.8	51.7
90°	66.4	60.3	51.7	46.7	39.4
92.5°	57.8	52.9	46.7	41.8	35.7
95°	52.9	49.2	44.3	39.4	34.4
97.5°	48.0	45.5	40.6	36.9	32.0
100°	45.5	41.8	38.1	34.4	30.8
102.5°	43.1	39.4	35.7	32.0	29.5
105°	39.4	36.9	33.2	29.5	27.1
107.5°	36.9	33.2	30.8	27.1	25.8
110°	33.2	30.8	28.3	25.8	24.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	29.5	28.3	25.8	23.4	22.1
115°	27.1	24.6	24.6	20.9	20.9
117.5°	24.6	22.1	22.1	19.7	19.7
120°	20.9	19.7	19.7	17.2	17.2
122.5°	18.5	17.2	17.2	16.0	16.0
125°	17.2	14.8	16.0	13.5	14.8
127.5°	14.8	13.5	13.5	12.3	13.5
130°	12.3	11.1	11.1	11.1	12.3
132.5°	11.1	9.8	9.8	9.8	11.1
135°	9.8	8.6	8.6	8.6	9.8
137.5°	8.6	7.4	6.2	7.4	8.6
140°	7.4	6.2	4.9	6.2	7.4
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)