

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: P384587

Luminaire Tested: **14ID-55-L835-CFD3**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384587
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: 14ID-55-L835-CFD3
Description: 1X4 IN DEPTH TROFFER WITH 3INCH DROP CUBE LENS

Light Source: -
Ballast/Driver: -

Summary

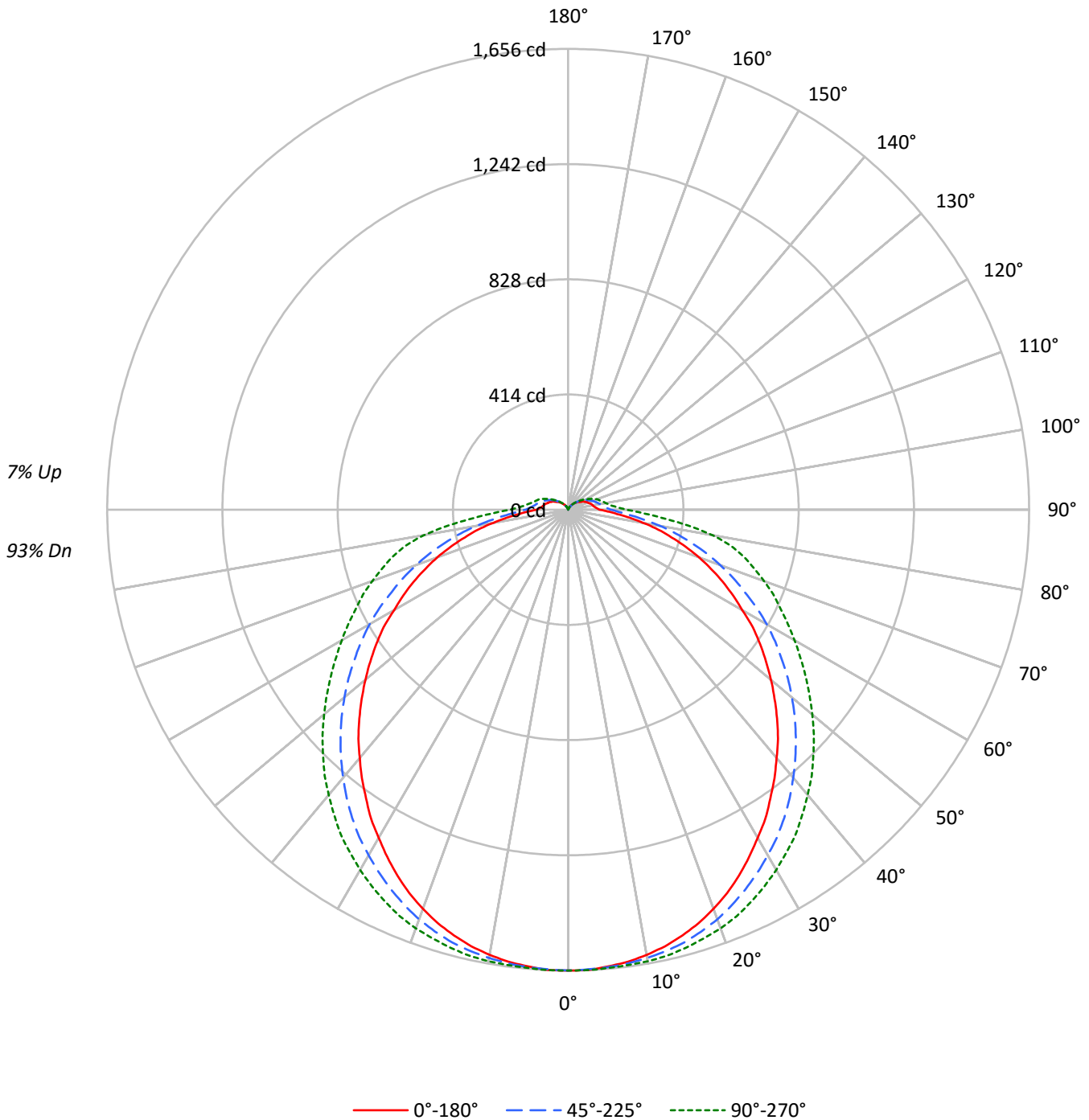
Lumens per Lamp: N/A
Luminaire Lumens: 5795.5 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.25')
CIE Type: Direct

Input Watts (W): 48.2
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



TEST NUMBER: P384587
CATALOG NUMBER: 14ID-55-L835-CFD3

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°	4457	4457	4457
5°	4426	4374	4370
10°	4390	4302	4312
15°	4340	4234	4256
20°	4273	4152	4203
25°	4186	4054	4135
30°	4083	3951	4058
35°	3985	3848	3984
40°	3888	3726	3886
45°	3799	3603	3793
50°	3705	3477	3692
55°	3623	3340	3597
60°	3509	3206	3528
65°	3440	3022	3486
70°	3357	2844	3492
75°	3241	2602	3513
80°	3142	2306	3371
85°	3175	1949	2707



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.0	2.7
10°-20°	453.8	7.8
20°-30°	693.3	12.0
30°-40°	844.0	14.6
40°-50°	892.0	15.4
50°-60°	842.0	14.5
60°-70°	708.4	12.2
70°-80°	510.7	8.8
80°-90°	269.4	4.6
90°-100°	144.2	2.5
100°-110°	109.5	1.9
110°-120°	79.4	1.4
120°-130°	49.9	0.9
130°-140°	27.0	0.5
140°-150°	11.8	0.2
150°-160°	3.2	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	1304.1	22.5
0°-40°	2148.1	37.1
0°-60°	3882.1	67.0
0°-90°	5370.6	92.7
90°-120°	333.1	5.7
90°-150°	421.7	7.3
90°-180°	425.0	7.3
0°-180°	5795.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1656	1656	1656	1656	1656	
5°	1648	1648	1650	1650	1653	157
15°	1584	1590	1610	1622	1630	447
25°	1451	1468	1506	1540	1555	668
35°	1266	1295	1353	1405	1425	793
45°	1061	1092	1156	1220	1246	819
55°	841	879	936	1006	1040	752
65°	613	647	700	786	841	606
75°	384	416	457	546	653	408
85°	176	199	223	278	338	165
90°	113	133	153	182	208	65
95°	98	113	130	147	159	78
105°	84	92	104	116	121	88
115°	66	72	81	87	92	67
125°	49	49	58	58	61	44
135°	35	32	35	35	38	26
145°	20	17	17	17	20	13
155°	9	9	3	6	9	4
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P384587

CATALOG NUMBER: 14ID-55-L835-CFD3

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1656.1	1656.1	1656.1	1656.1	1656.1
2.5°	1656.1	1653.3	1653.3	1653.3	1656.1
5°	1647.5	1647.5	1650.4	1650.4	1653.3
7.5°	1638.8	1638.8	1644.6	1647.5	1650.4
10°	1624.4	1627.2	1635.9	1641.7	1647.5
12.5°	1607.0	1609.9	1624.4	1635.9	1641.7
15°	1583.9	1589.7	1609.9	1621.5	1630.1
17.5°	1557.9	1566.5	1589.7	1607.0	1615.7
20°	1526.1	1537.6	1566.5	1589.7	1601.2
22.5°	1491.4	1503.0	1537.6	1566.5	1581.0
25°	1450.9	1468.3	1505.9	1540.5	1555.0
27.5°	1407.6	1427.8	1471.2	1511.6	1526.1
30°	1361.3	1384.5	1433.6	1476.9	1494.3
32.5°	1318.0	1341.1	1396.0	1442.3	1459.6
35°	1266.0	1294.9	1352.7	1404.7	1424.9
37.5°	1216.8	1245.7	1306.4	1361.3	1381.6
40°	1164.8	1193.7	1257.3	1318.0	1338.2
42.5°	1115.7	1144.6	1208.2	1271.7	1294.9
45°	1060.7	1092.5	1156.1	1219.7	1245.7
47.5°	1005.8	1037.6	1104.1	1170.6	1196.6
50°	950.9	985.6	1049.2	1115.7	1144.6
52.5°	896.0	930.7	994.3	1063.6	1092.5
55°	841.1	878.7	936.5	1005.8	1040.5
57.5°	786.2	823.7	881.5	953.8	988.5
60°	722.6	765.9	823.7	898.9	939.4
62.5°	667.7	705.2	763.0	841.1	890.2
65°	612.7	647.4	699.5	786.2	841.1
67.5°	554.9	592.5	641.6	722.6	797.7
70°	500.0	531.8	581.0	664.8	748.6
72.5°	442.2	474.0	520.3	607.0	699.5
75°	384.4	416.2	456.7	546.3	653.2
77.5°	332.4	358.4	396.0	482.7	598.3
80°	274.6	300.6	335.3	413.3	526.0
82.5°	222.6	245.7	274.6	343.9	433.5
85°	176.3	199.4	222.6	277.5	338.2
87.5°	141.6	159.0	182.1	222.6	263.0
90°	112.7	133.0	153.2	182.1	208.1
92.5°	104.1	121.4	138.7	161.9	179.2
95°	98.3	112.7	130.1	147.4	159.0
97.5°	92.5	106.9	121.4	138.7	147.4
100°	89.6	101.2	115.6	130.1	135.8
102.5°	86.7	95.4	109.8	121.4	130.1
105°	83.8	92.5	104.1	115.6	121.4
107.5°	78.0	86.7	98.3	109.8	115.6
110°	75.1	80.9	92.5	101.2	109.8



TEST NUMBER: P384587

CATALOG NUMBER: 14ID-55-L835-CFD3

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	72.3	78.0	86.7	95.4	101.2
115°	66.5	72.3	80.9	86.7	92.5
117.5°	63.6	66.5	75.1	78.0	83.8
120°	57.8	60.7	69.4	72.3	75.1
122.5°	52.0	54.9	63.6	63.6	69.4
125°	49.1	49.1	57.8	57.8	60.7
127.5°	46.2	46.2	52.0	52.0	54.9
130°	40.5	40.5	46.2	46.2	46.2
132.5°	37.6	34.7	40.5	40.5	43.4
135°	34.7	31.8	34.7	34.7	37.6
137.5°	28.9	28.9	31.8	28.9	31.8
140°	26.0	23.1	26.0	26.0	28.9
142.5°	23.1	20.2	23.1	20.2	23.1
145°	20.2	17.3	17.3	17.3	20.2
147.5°	17.3	14.5	14.5	14.5	17.3
150°	14.5	11.6	11.6	11.6	14.5
152.5°	11.6	8.7	5.8	8.7	11.6
155°	8.7	8.7	2.9	5.8	8.7
157.5°	5.8	5.8	0.0	2.9	5.8
160°	2.9	2.9	0.0	2.9	2.9
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)