

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: P383961

Luminaire Tested: **22ID-40-L850-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383961
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-40-L850-CFR2
Description: 2X2 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

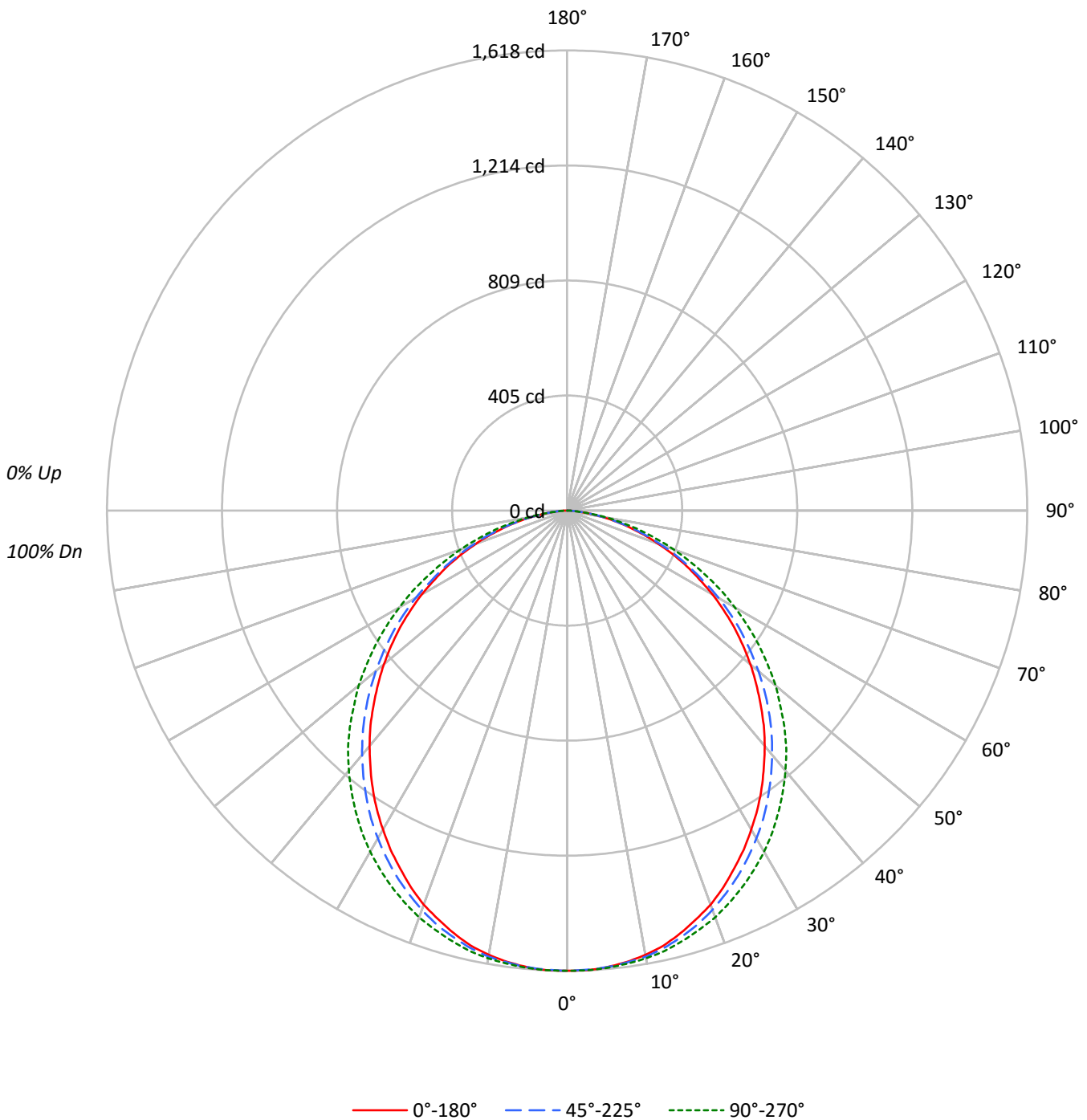
Lumens per Lamp: N/A
Luminaire Lumens: 4271.6 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 32.7
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4354	4354	4354
5°	4354	4354	4360
10°	4334	4351	4369
15°	4287	4323	4365
20°	4223	4278	4358
25°	4124	4214	4334
30°	4024	4137	4303
35°	3916	4043	4254
40°	3797	3940	4195
45°	3657	3820	4113
50°	3522	3674	4006
55°	3364	3514	3856
60°	3179	3317	3663
65°	2958	3053	3421
70°	2677	2779	3132
75°	2336	2426	2738
80°	1891	1923	2156
85°	1124	1257	1056



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.2	3.6
10°-20°	437.8	10.2
20°-30°	654.9	15.3
30°-40°	773.8	18.1
40°-50°	780.8	18.3
50°-60°	678.1	15.9
60°-70°	486.2	11.4
70°-80°	253.3	5.9
80°-90°	53.5	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1246.0	29.2
0°-40°	2019.7	47.3
0°-60°	3478.6	81.4
0°-90°	4271.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4271.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1618	1618	1618	1618	1618	
5°	1612	1610	1612	1612	1614	153
15°	1539	1541	1552	1562	1567	434
25°	1389	1398	1419	1447	1460	640
35°	1192	1201	1231	1276	1295	745
45°	961	972	1004	1055	1081	742
55°	717	724	749	798	822	640
65°	464	462	479	516	537	459
75°	225	223	233	250	263	240
85°	36	41	41	36	34	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1618.1	1618.1	1618.1	1618.1	1618.1
2.5°	1618.1	1616.0	1616.0	1616.0	1618.1
5°	1611.7	1609.6	1611.7	1611.7	1613.9
7.5°	1601.0	1598.9	1603.2	1605.3	1607.4
10°	1586.0	1586.0	1592.5	1596.7	1598.9
12.5°	1566.8	1566.8	1575.3	1581.8	1586.0
15°	1538.9	1541.1	1551.8	1562.5	1566.8
17.5°	1506.8	1513.3	1526.1	1541.1	1545.4
20°	1474.7	1479.0	1494.0	1513.3	1521.8
22.5°	1434.1	1440.5	1457.6	1483.3	1491.9
25°	1389.1	1397.7	1419.1	1446.9	1459.7
27.5°	1344.2	1350.6	1376.3	1408.4	1423.4
30°	1294.9	1303.5	1331.3	1367.7	1384.8
32.5°	1245.7	1252.1	1284.2	1322.8	1342.0
35°	1192.2	1200.8	1230.7	1275.7	1294.9
37.5°	1136.5	1147.3	1177.2	1224.3	1245.7
40°	1080.9	1087.3	1121.6	1168.7	1194.3
42.5°	1023.1	1031.7	1063.8	1115.1	1140.8
45°	961.0	971.7	1003.8	1055.2	1080.9
47.5°	901.1	911.8	941.8	993.1	1016.7
50°	841.2	847.6	877.6	928.9	956.8
52.5°	779.1	785.5	813.4	862.6	888.3
55°	717.0	723.5	749.1	798.4	821.9
57.5°	652.8	657.1	682.8	727.7	751.3
60°	590.7	592.9	616.4	657.1	680.6
62.5°	524.4	526.5	543.7	590.7	612.2
65°	464.5	462.3	479.4	515.8	537.2
67.5°	402.4	402.4	417.4	449.5	466.6
70°	340.3	340.3	353.2	381.0	398.1
72.5°	282.5	282.5	293.2	314.6	327.5
75°	224.7	222.6	233.3	250.4	263.3
77.5°	171.2	171.2	175.5	190.5	199.1
80°	122.0	122.0	124.1	132.7	139.1
82.5°	77.1	77.1	77.1	81.3	83.5
85°	36.4	40.7	40.7	36.4	34.2
87.5°	17.1	17.1	15.0	15.0	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)