

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: P383791

Luminaire Tested: **22ID-40-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-40-L835-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

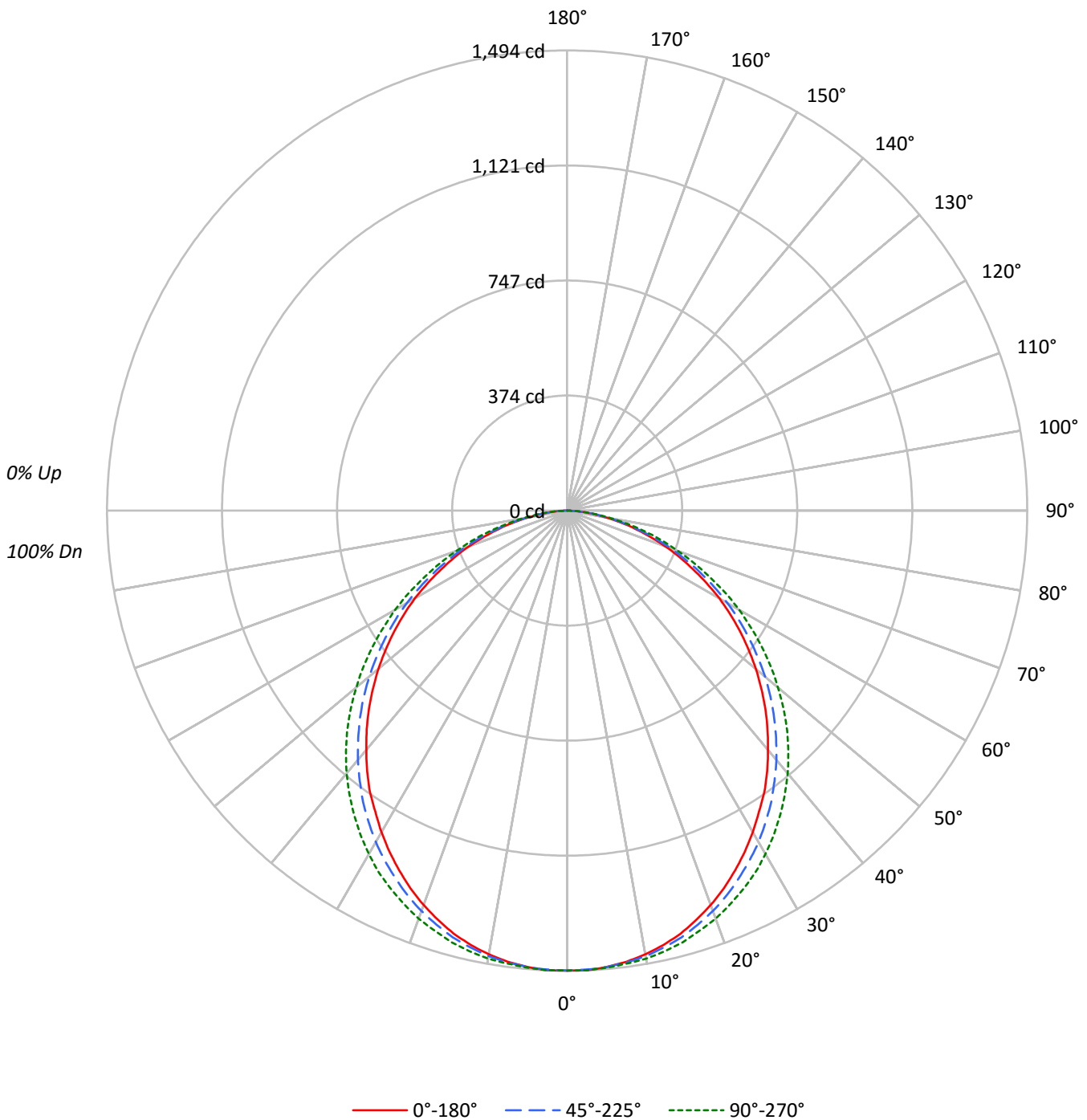
Lumens per Lamp: N/A
Luminaire Lumens: 4056.3 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 32.5
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4019	4019	4019
5°	4018	4018	4024
10°	3998	4014	4036
15°	3962	3996	4042
20°	3903	3962	4038
25°	3829	3914	4023
30°	3747	3861	4001
35°	3666	3794	3961
40°	3562	3713	3914
45°	3463	3618	3844
50°	3348	3511	3741
55°	3217	3379	3619
60°	3075	3239	3470
65°	2871	3040	3248
70°	2665	2810	3002
75°	2376	2504	2716
80°	1991	2087	2276
85°	1513	1513	1701



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.4	3.5
10°-20°	404.5	10.0
20°-30°	608.2	15.0
30°-40°	723.5	17.8
40°-50°	736.2	18.1
50°-60°	647.9	16.0
60°-70°	475.3	11.7
70°-80°	258.0	6.4
80°-90°	61.6	1.5
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°	1154.0	28.4
0°-40°	1877.5	46.3
0°-60°	3261.5	80.4
0°-90°	4056.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4056.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1494	1494	1494	1494	1494	
5°	1487	1485	1487	1487	1490	141
15°	1422	1424	1434	1443	1451	401
25°	1290	1298	1318	1340	1355	594
35°	1116	1124	1155	1190	1206	697
45°	910	918	951	992	1010	701
55°	686	696	720	755	771	613
65°	451	459	478	498	510	448
75°	228	233	241	253	261	243
85°	49	49	49	53	55	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1493.6	1493.6	1493.6	1493.6	1493.6
2.5°	1493.6	1491.5	1491.5	1491.5	1493.6
5°	1487.4	1485.4	1487.4	1487.4	1489.5
7.5°	1477.2	1475.2	1479.3	1481.3	1483.4
10°	1463.0	1463.0	1469.1	1473.2	1477.2
12.5°	1444.6	1446.6	1452.8	1458.9	1465.0
15°	1422.1	1424.2	1434.4	1442.6	1450.7
17.5°	1393.6	1397.7	1409.9	1422.1	1430.3
20°	1363.0	1369.1	1383.4	1399.7	1409.9
22.5°	1328.3	1336.5	1352.8	1373.2	1383.4
25°	1289.5	1297.7	1318.1	1340.5	1354.8
27.5°	1248.7	1258.9	1281.4	1307.9	1324.2
30°	1205.9	1216.1	1242.6	1271.2	1287.5
32.5°	1158.9	1171.2	1199.7	1232.4	1248.7
35°	1116.1	1124.3	1154.9	1189.5	1205.9
37.5°	1067.1	1077.3	1105.9	1142.6	1161.0
40°	1014.1	1024.3	1056.9	1093.6	1114.1
42.5°	963.1	971.2	1003.9	1044.7	1063.0
45°	910.0	918.2	950.8	991.6	1010.0
47.5°	854.9	865.1	895.7	934.5	952.9
50°	799.8	808.0	838.6	875.3	893.7
52.5°	742.7	750.9	779.4	816.2	834.5
55°	685.6	695.8	720.3	754.9	771.3
57.5°	628.4	638.6	661.1	693.7	708.0
60°	571.3	579.5	601.9	630.5	644.8
62.5°	510.1	516.2	538.7	567.2	579.5
65°	450.9	459.1	477.5	497.9	510.1
67.5°	395.8	399.9	416.2	438.7	446.8
70°	338.7	342.8	357.1	375.4	381.6
72.5°	281.6	287.7	297.9	314.2	322.4
75°	228.5	232.6	240.8	253.0	261.2
77.5°	177.5	179.6	185.7	195.9	202.0
80°	128.5	130.6	134.7	142.8	146.9
82.5°	85.7	87.7	89.8	93.9	97.9
85°	49.0	49.0	49.0	53.1	55.1
87.5°	18.4	16.3	16.3	16.3	16.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)