

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: P383793

Luminaire Tested: **22ID-40-L850-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383793
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-L850-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

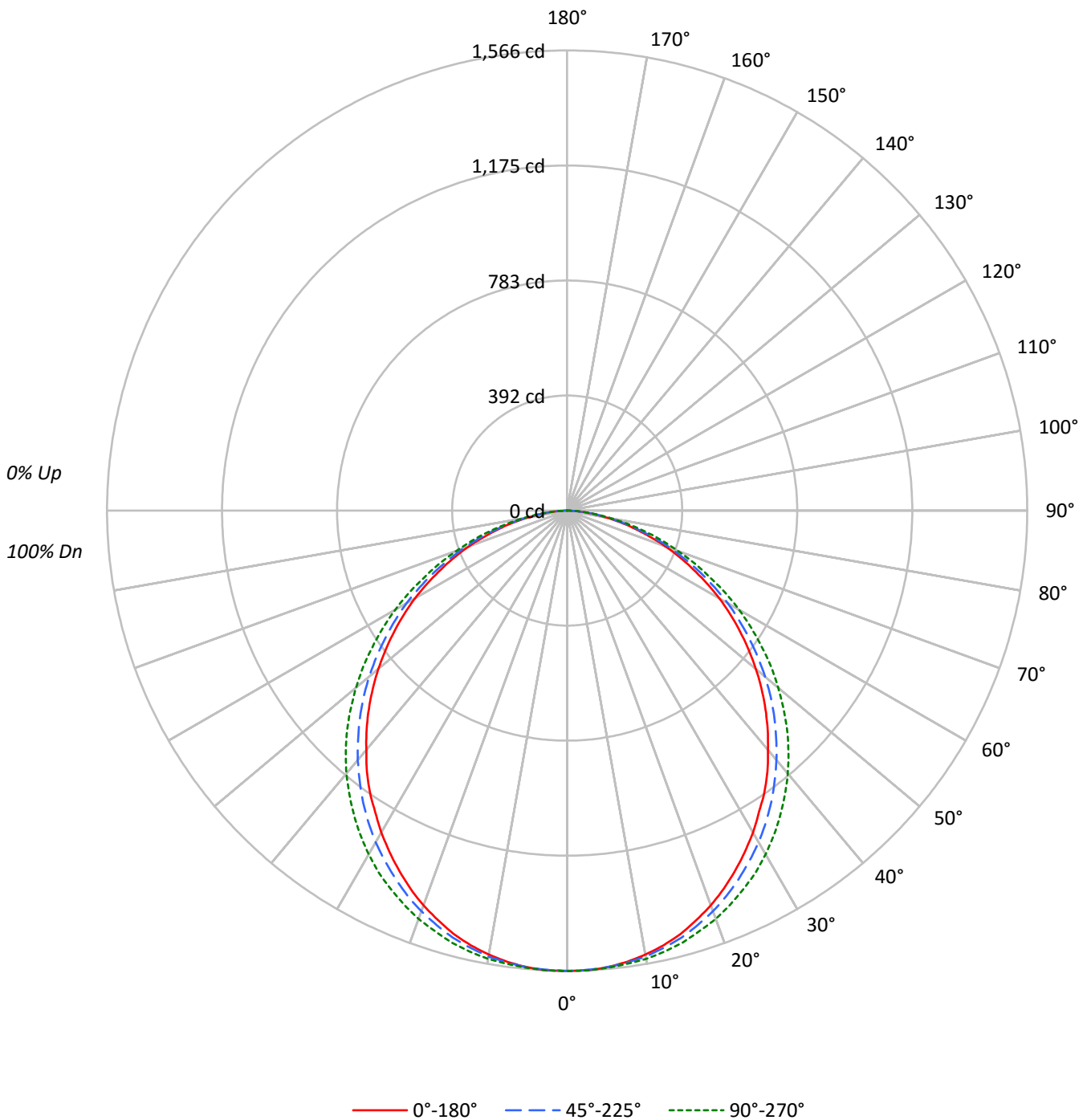
Lumens per Lamp: N/A
Luminaire Lumens: 4254.5 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 32.7
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



TEST NUMBER: P383793
CATALOG NUMBER: 22ID-40-L850-CFR1

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°	4215	4215	4215
5°	4214	4214	4220
10°	4193	4210	4234
15°	4155	4191	4239
20°	4094	4155	4235
25°	4016	4105	4219
30°	3930	4050	4196
35°	3846	3979	4155
40°	3736	3894	4105
45°	3632	3795	4031
50°	3512	3682	3924
55°	3374	3544	3795
60°	3225	3398	3640
65°	3012	3189	3407
70°	2795	2947	3149
75°	2492	2625	2848
80°	2089	2188	2388
85°	1587	1587	1785



TEST NUMBER: P383793

CATALOG NUMBER: 22ID-40-L850-CFR1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.3	3.5
10°-20°	424.2	10.0
20°-30°	637.9	15.0
30°-40°	758.8	17.8
40°-50°	772.1	18.1
50°-60°	679.5	16.0
60°-70°	498.5	11.7
70°-80°	270.6	6.4
80°-90°	64.6	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°	1210.4	28.4
0°-40°	1969.2	46.3
0°-60°	3420.9	80.4
0°-90°	4254.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4254.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1566	1566	1566	1566	1566	
5°	1560	1558	1560	1560	1562	148
15°	1492	1494	1504	1513	1522	420
25°	1352	1361	1382	1406	1421	623
35°	1171	1179	1211	1248	1265	731
45°	954	963	997	1040	1059	736
55°	719	730	755	792	809	643
65°	473	482	501	522	535	470
75°	240	244	252	265	274	255
85°	51	51	51	56	58	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1566.5	1566.5	1566.5	1566.5	1566.5
2.5°	1566.5	1564.4	1564.4	1564.4	1566.5
5°	1560.1	1558.0	1560.1	1560.1	1562.3
7.5°	1549.4	1547.3	1551.6	1553.7	1555.8
10°	1534.4	1534.4	1540.9	1545.1	1549.4
12.5°	1515.2	1517.3	1523.7	1530.2	1536.6
15°	1491.6	1493.8	1504.5	1513.0	1521.6
17.5°	1461.7	1466.0	1478.8	1491.6	1500.2
20°	1429.6	1436.0	1451.0	1468.1	1478.8
22.5°	1393.2	1401.8	1418.9	1440.3	1451.0
25°	1352.5	1361.1	1382.5	1406.0	1421.0
27.5°	1309.7	1320.4	1344.0	1371.8	1388.9
30°	1264.8	1275.5	1303.3	1333.3	1350.4
32.5°	1215.6	1228.4	1258.4	1292.6	1309.7
35°	1170.6	1179.2	1211.3	1247.7	1264.8
37.5°	1119.3	1130.0	1159.9	1198.4	1217.7
40°	1063.6	1074.3	1108.6	1147.1	1168.5
42.5°	1010.1	1018.7	1052.9	1095.7	1115.0
45°	954.5	963.0	997.3	1040.1	1059.3
47.5°	896.7	907.4	939.5	980.2	999.4
50°	838.9	847.5	879.6	918.1	937.4
52.5°	779.0	787.6	817.5	856.0	875.3
55°	719.1	729.8	755.4	791.8	809.0
57.5°	659.1	669.8	693.4	727.6	742.6
60°	599.2	607.8	631.3	661.3	676.3
62.5°	535.0	541.4	565.0	594.9	607.8
65°	473.0	481.5	500.8	522.2	535.0
67.5°	415.2	419.5	436.6	460.1	468.7
70°	355.3	359.5	374.5	393.8	400.2
72.5°	295.3	301.8	312.5	329.6	338.1
75°	239.7	244.0	252.5	265.4	273.9
77.5°	186.2	188.3	194.7	205.4	211.9
80°	134.8	137.0	141.2	149.8	154.1
82.5°	89.9	92.0	94.2	98.4	102.7
85°	51.4	51.4	51.4	55.6	57.8
87.5°	19.3	17.1	17.1	17.1	17.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)