

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: P383903

Luminaire Tested: **14ID-40-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383903
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: 14ID-40-L835-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

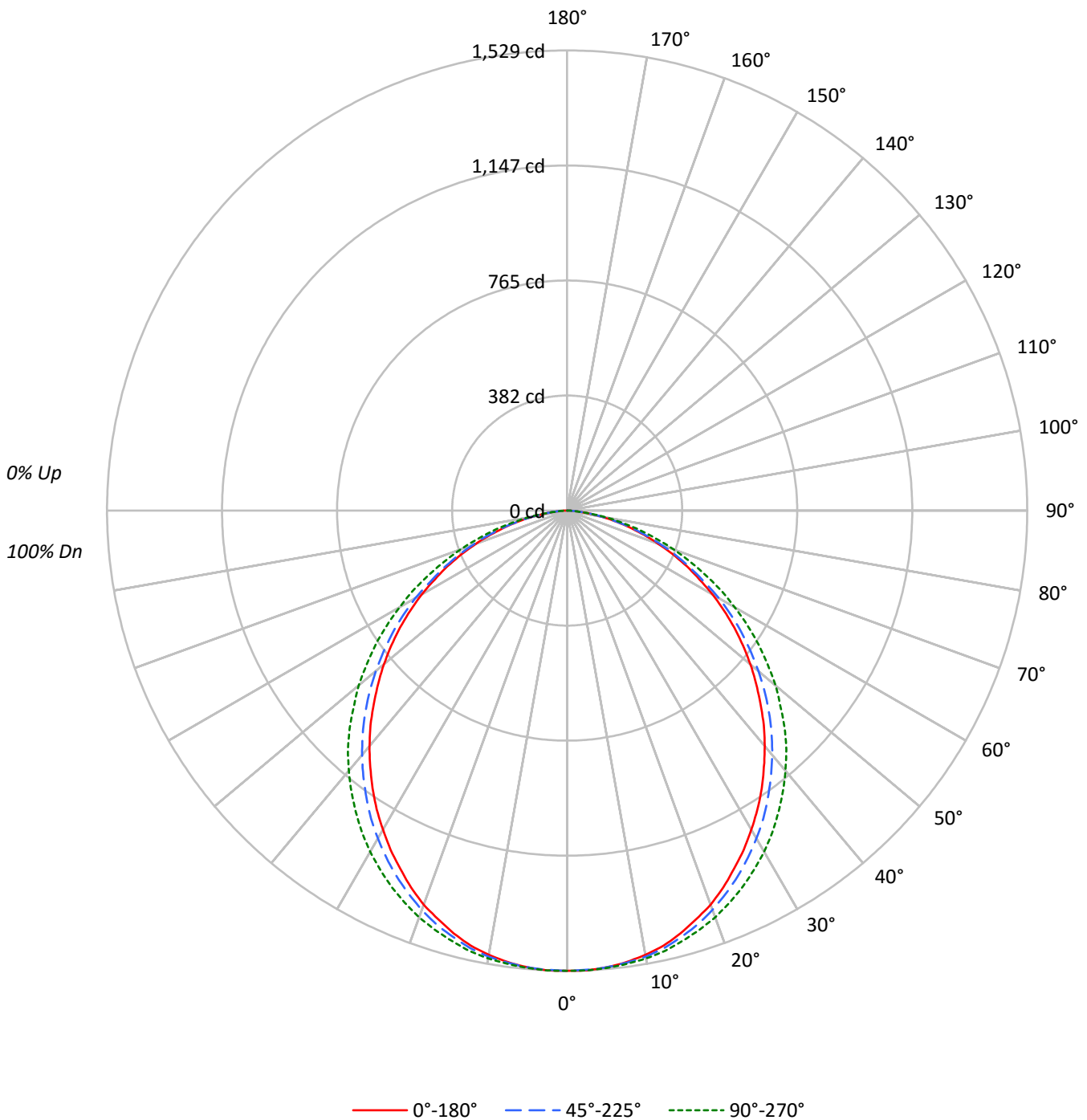
Lumens per Lamp: N/A
Luminaire Lumens: 4037.1 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33.4
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



TEST NUMBER: P383903
CATALOG NUMBER: 14ID-40-L835-CFR2

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°	4115	4115	4115
5°	4115	4115	4120
10°	4096	4112	4129
15°	4052	4086	4125
20°	3991	4044	4119
25°	3898	3982	4096
30°	3803	3910	4067
35°	3702	3821	4021
40°	3589	3724	3965
45°	3457	3610	3888
50°	3328	3472	3785
55°	3179	3322	3644
60°	3005	3136	3462
65°	2795	2885	3233
70°	2530	2626	2961
75°	2208	2293	2587
80°	1787	1818	2038
85°	1062	1186	1000



TEST NUMBER: P383903

CATALOG NUMBER: 14ID-40-L835-CFR2

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.8	3.6
10°-20°	413.8	10.2
20°-30°	619.0	15.3
30°-40°	731.3	18.1
40°-50°	737.9	18.3
50°-60°	640.8	15.9
60°-70°	459.5	11.4
70°-80°	239.4	5.9
80°-90°	50.5	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°	1177.6	29.2
0°-40°	1908.9	47.3
0°-60°	3287.6	81.4
0°-90°	4037.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4037.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1529	1529	1529	1529	1529	
5°	1523	1521	1523	1523	1525	145
15°	1454	1456	1467	1477	1481	410
25°	1313	1321	1341	1368	1380	605
35°	1127	1135	1163	1206	1224	704
45°	908	918	949	997	1022	701
55°	678	684	708	754	777	605
65°	439	437	453	488	508	434
75°	212	210	220	237	249	227
85°	34	38	38	34	32	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1529.3	1529.3	1529.3	1529.3	1529.3
2.5°	1529.3	1527.3	1527.3	1527.3	1529.3
5°	1523.2	1521.2	1523.2	1523.2	1525.3
7.5°	1513.1	1511.1	1515.1	1517.2	1519.2
10°	1499.0	1499.0	1505.0	1509.1	1511.1
12.5°	1480.8	1480.8	1488.8	1494.9	1499.0
15°	1454.5	1456.5	1466.6	1476.7	1480.8
17.5°	1424.1	1430.2	1442.3	1456.5	1460.5
20°	1393.8	1397.8	1412.0	1430.2	1438.3
22.5°	1355.3	1361.4	1377.6	1401.9	1410.0
25°	1312.9	1320.9	1341.2	1367.5	1379.6
27.5°	1270.4	1276.4	1300.7	1331.1	1345.2
30°	1223.9	1231.9	1258.2	1292.6	1308.8
32.5°	1177.3	1183.4	1213.7	1250.1	1268.4
35°	1126.8	1134.8	1163.2	1205.6	1223.9
37.5°	1074.2	1084.3	1112.6	1157.1	1177.3
40°	1021.6	1027.6	1060.0	1104.5	1128.8
42.5°	966.9	975.0	1005.4	1053.9	1078.2
45°	908.3	918.4	948.7	997.3	1021.6
47.5°	851.6	861.8	890.1	938.6	960.9
50°	795.0	801.1	829.4	877.9	904.2
52.5°	736.3	742.4	768.7	815.2	839.5
55°	677.7	683.7	708.0	754.5	776.8
57.5°	617.0	621.0	645.3	687.8	710.0
60°	558.3	560.3	582.6	621.0	643.3
62.5°	495.6	497.6	513.8	558.3	578.5
65°	439.0	436.9	453.1	487.5	507.7
67.5°	380.3	380.3	394.5	424.8	441.0
70°	321.6	321.6	333.8	360.1	376.3
72.5°	267.0	267.0	277.1	297.4	309.5
75°	212.4	210.4	220.5	236.7	248.8
77.5°	161.8	161.8	165.9	180.0	188.1
80°	115.3	115.3	117.3	125.4	131.5
82.5°	72.8	72.8	72.8	76.9	78.9
85°	34.4	38.4	38.4	34.4	32.4
87.5°	16.2	16.2	14.2	14.2	14.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)