

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: P385080

Luminaire Tested: **14ID-40-L840-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385080
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-40-L840-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

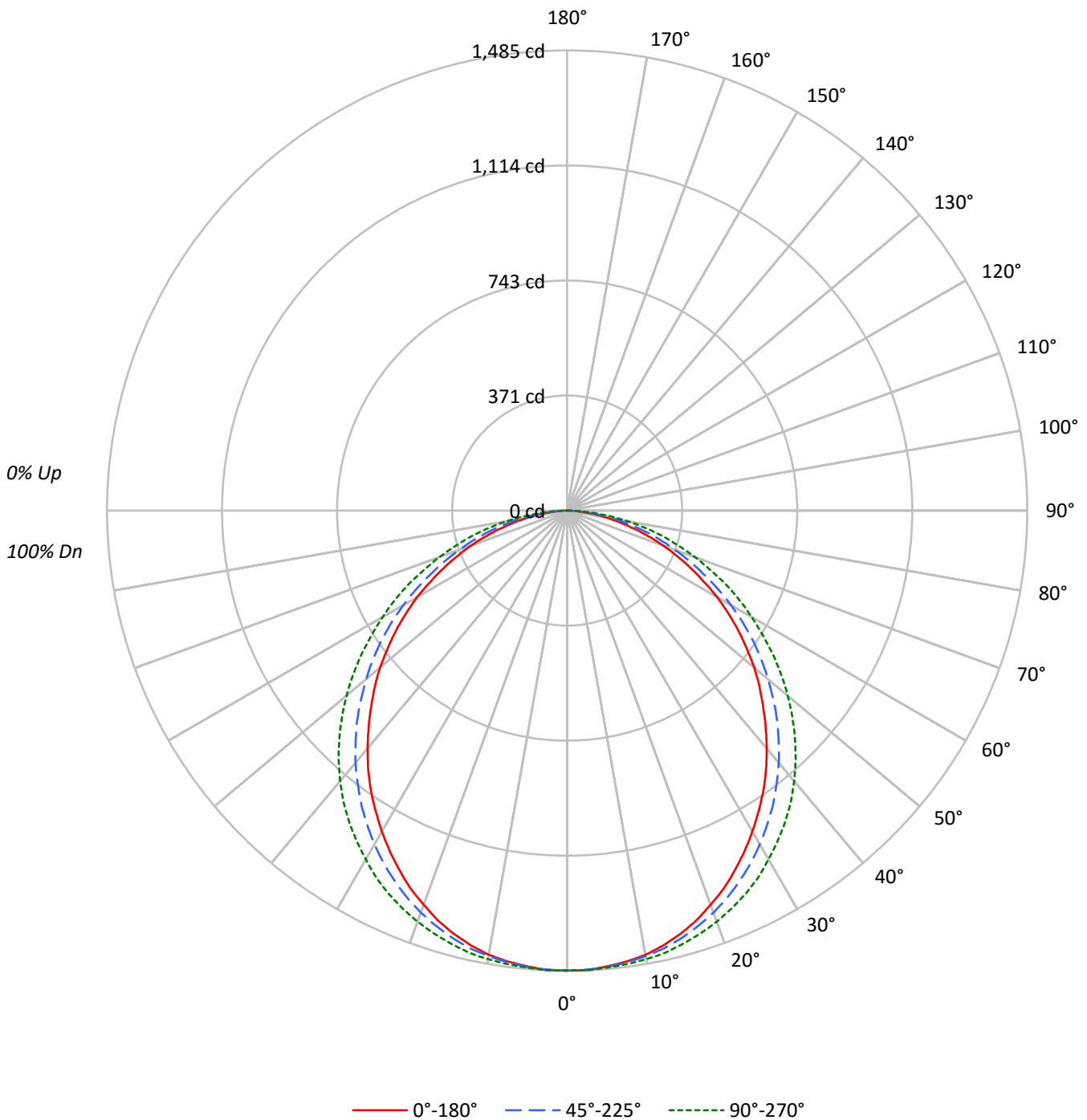
Lumens per Lamp: N/A
Luminaire Lumens: 4122.1 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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



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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	94	98	94	91		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		65	58	53		62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47		58	51	46		56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41		52	46	41		51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36		48	41	36		46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32		44	37	32		43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29		40	34	29		39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27		37	31	26		37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3995	3995	3995
5°	3988	3994	3999
10°	3977	3989	4017
15°	3939	3980	4032
20°	3876	3954	4043
25°	3803	3914	4050
30°	3715	3864	4038
35°	3627	3805	4030
40°	3521	3732	4003
45°	3403	3648	3957
50°	3299	3543	3891
55°	3161	3434	3804
60°	3010	3290	3704
65°	2807	3098	3601
70°	2585	2912	3452
75°	2292	2702	3307
80°	1934	2416	3061
85°	1411	1862	2439



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.5	3.4
10°-20°	403.2	9.8
20°-30°	608.1	14.8
30°-40°	725.9	17.6
40°-50°	741.9	18.0
50°-60°	657.9	16.0
60°-70°	490.4	11.9
70°-80°	280.2	6.8
80°-90°	73.9	1.8
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°	1151.8	27.9
0°-40°	1877.7	45.6
0°-60°	3277.6	79.5
0°-90°	4122.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4122.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1485	1485	1485	1485	1485	
5°	1476	1476	1478	1478	1480	140
15°	1414	1418	1428	1441	1447	398
25°	1281	1291	1318	1347	1364	590
35°	1104	1119	1158	1204	1227	690
45°	894	913	959	1011	1040	691
55°	674	686	732	784	811	602
65°	441	451	487	536	566	437
75°	220	231	260	299	318	235
85°	46	48	60	75	79	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1484.6	1484.6	1484.6	1484.6	1484.6
2.5°	1484.6	1482.6	1482.6	1482.6	1484.6
5°	1476.3	1476.3	1478.4	1478.4	1480.5
7.5°	1468.0	1468.0	1470.1	1472.2	1476.3
10°	1455.5	1455.5	1459.7	1465.9	1470.1
12.5°	1436.8	1438.9	1447.2	1455.5	1461.8
15°	1413.9	1418.1	1428.5	1441.0	1447.2
17.5°	1386.9	1391.1	1405.6	1422.3	1430.6
20°	1353.6	1362.0	1380.7	1401.5	1411.9
22.5°	1320.4	1328.7	1351.6	1376.5	1389.0
25°	1280.9	1291.3	1318.3	1347.4	1364.0
27.5°	1239.3	1251.8	1282.9	1316.2	1334.9
30°	1195.6	1210.2	1243.4	1280.9	1299.6
32.5°	1149.9	1164.4	1201.8	1243.4	1264.2
35°	1104.1	1118.7	1158.2	1203.9	1226.8
37.5°	1054.2	1068.8	1110.4	1160.3	1185.2
40°	1002.2	1018.9	1062.5	1112.4	1139.5
42.5°	948.2	966.9	1010.6	1064.6	1091.6
45°	894.1	912.8	958.6	1010.6	1039.7
47.5°	842.1	856.7	902.4	956.5	985.6
50°	788.1	800.5	846.3	900.3	929.5
52.5°	729.8	746.5	790.1	844.2	871.2
55°	673.7	686.2	731.9	783.9	810.9
57.5°	615.5	628.0	671.6	723.6	748.6
60°	559.3	571.8	611.3	663.3	688.3
62.5°	497.0	509.4	548.9	603.0	628.0
65°	440.8	451.2	486.6	536.5	565.6
67.5°	384.7	395.1	428.3	476.2	499.0
70°	328.5	336.9	370.1	413.8	438.7
72.5°	274.5	282.8	316.1	355.6	376.4
75°	220.4	230.8	259.9	299.4	318.1
77.5°	170.5	180.9	205.9	241.2	257.8
80°	124.8	133.1	155.9	183.0	197.5
82.5°	83.2	89.4	106.0	128.9	139.3
85°	45.7	47.8	60.3	74.9	79.0
87.5°	18.7	18.7	22.9	25.0	27.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)