

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: P385079

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

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385079
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-L835-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

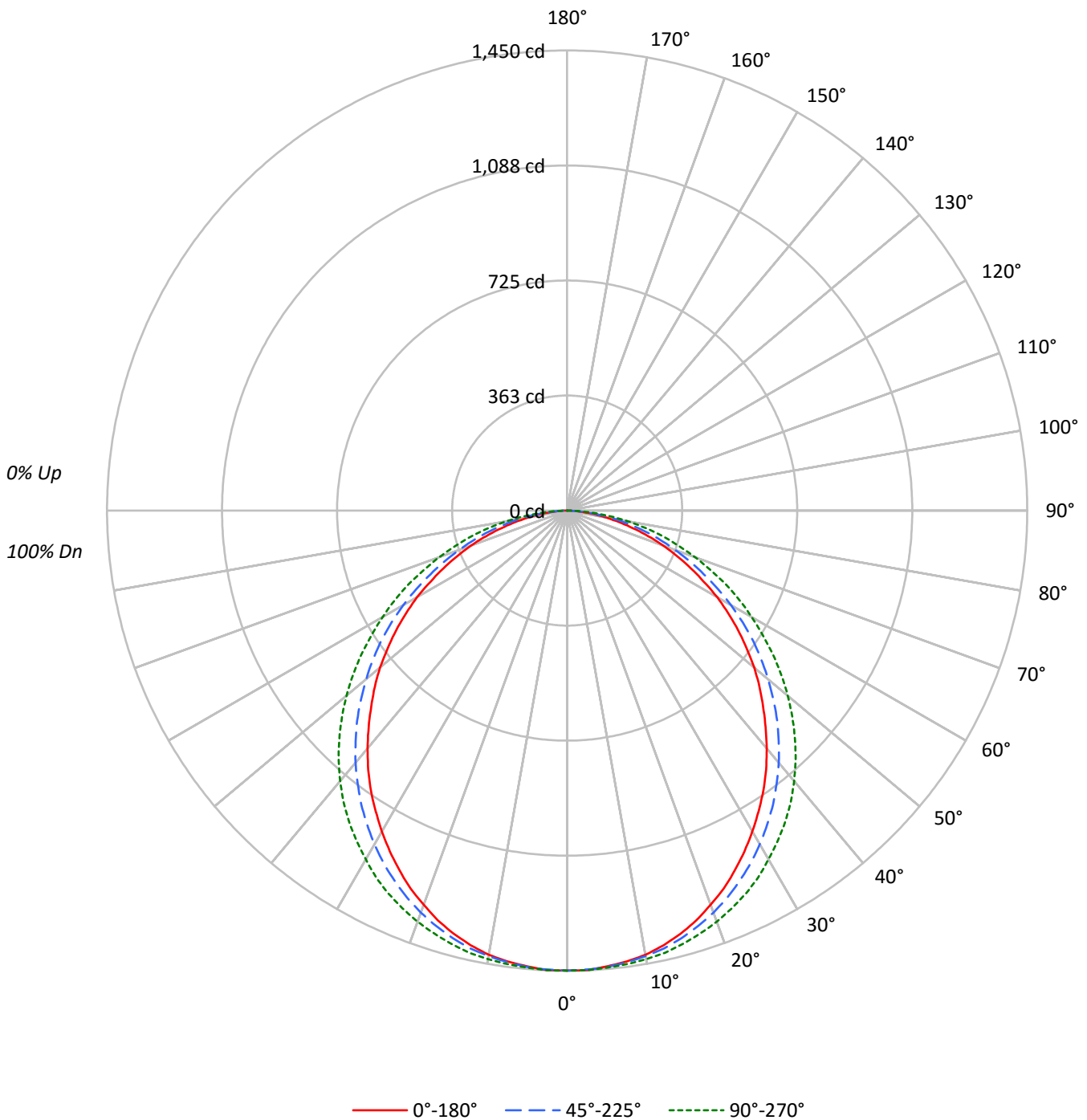
Lumens per Lamp: N/A
Luminaire Lumens: 4024.9 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33.4
Input Voltage (V): NR
Input Current (Ain): 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°	3901	3901	3901
5°	3894	3899	3905
10°	3883	3895	3922
15°	3846	3886	3937
20°	3785	3861	3948
25°	3714	3822	3955
30°	3627	3773	3943
35°	3542	3715	3935
40°	3438	3645	3908
45°	3322	3562	3863
50°	3221	3459	3799
55°	3086	3353	3715
60°	2939	3212	3617
65°	2741	3025	3516
70°	2524	2843	3371
75°	2237	2639	3229
80°	1888	2360	2989
85°	1380	1819	2384



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.2	3.4
10°-20°	393.7	9.8
20°-30°	593.7	14.8
30°-40°	708.8	17.6
40°-50°	724.4	18.0
50°-60°	642.4	16.0
60°-70°	478.9	11.9
70°-80°	273.6	6.8
80°-90°	72.2	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°	1124.6	27.9
0°-40°	1833.5	45.6
0°-60°	3200.3	79.5
0°-90°	4024.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4024.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1450	1450	1450	1450	1450	
5°	1442	1442	1444	1444	1446	137
15°	1381	1385	1395	1407	1413	389
25°	1251	1261	1287	1316	1332	576
35°	1078	1092	1131	1176	1198	674
45°	873	891	936	987	1015	675
55°	658	670	715	765	792	588
65°	430	441	475	524	552	427
75°	215	225	254	292	311	230
85°	45	47	59	73	77	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1449.6	1449.6	1449.6	1449.6	1449.6
2.5°	1449.6	1447.6	1447.6	1447.6	1449.6
5°	1441.5	1441.5	1443.5	1443.5	1445.6
7.5°	1433.4	1433.4	1435.4	1437.4	1441.5
10°	1421.2	1421.2	1425.3	1431.4	1435.4
12.5°	1402.9	1405.0	1413.1	1421.2	1427.3
15°	1380.6	1384.7	1394.8	1407.0	1413.1
17.5°	1354.2	1358.3	1372.5	1388.7	1396.8
20°	1321.7	1329.8	1348.1	1368.4	1378.6
22.5°	1289.2	1297.4	1319.7	1344.1	1356.2
25°	1250.7	1260.8	1287.2	1315.6	1331.9
27.5°	1210.1	1222.2	1252.7	1285.2	1303.4
30°	1167.4	1181.6	1214.1	1250.7	1268.9
32.5°	1122.8	1137.0	1173.5	1214.1	1234.4
35°	1078.1	1092.3	1130.9	1175.5	1197.9
37.5°	1029.4	1043.6	1084.2	1132.9	1157.3
40°	978.6	994.8	1037.5	1086.2	1112.6
42.5°	925.8	944.1	986.7	1039.5	1065.9
45°	873.0	891.3	936.0	986.7	1015.1
47.5°	822.3	836.5	881.1	933.9	962.4
50°	769.5	781.7	826.3	879.1	907.5
52.5°	712.6	728.9	771.5	824.3	850.7
55°	657.8	670.0	714.7	765.4	791.8
57.5°	601.0	613.1	655.8	706.5	730.9
60°	546.1	558.3	596.9	647.7	672.0
62.5°	485.2	497.4	536.0	588.8	613.1
65°	430.4	440.6	475.1	523.8	552.2
67.5°	375.6	385.8	418.2	464.9	487.3
70°	320.8	328.9	361.4	404.0	428.4
72.5°	268.0	276.1	308.6	347.2	367.5
75°	215.2	225.4	253.8	292.4	310.6
77.5°	166.5	176.6	201.0	235.5	251.8
80°	121.8	129.9	152.3	178.7	192.9
82.5°	81.2	87.3	103.5	125.9	136.0
85°	44.7	46.7	58.9	73.1	77.2
87.5°	18.3	18.3	22.3	24.4	26.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)