

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: P385288

Luminaire Tested: **22ID-20-L840-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-20-L840-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

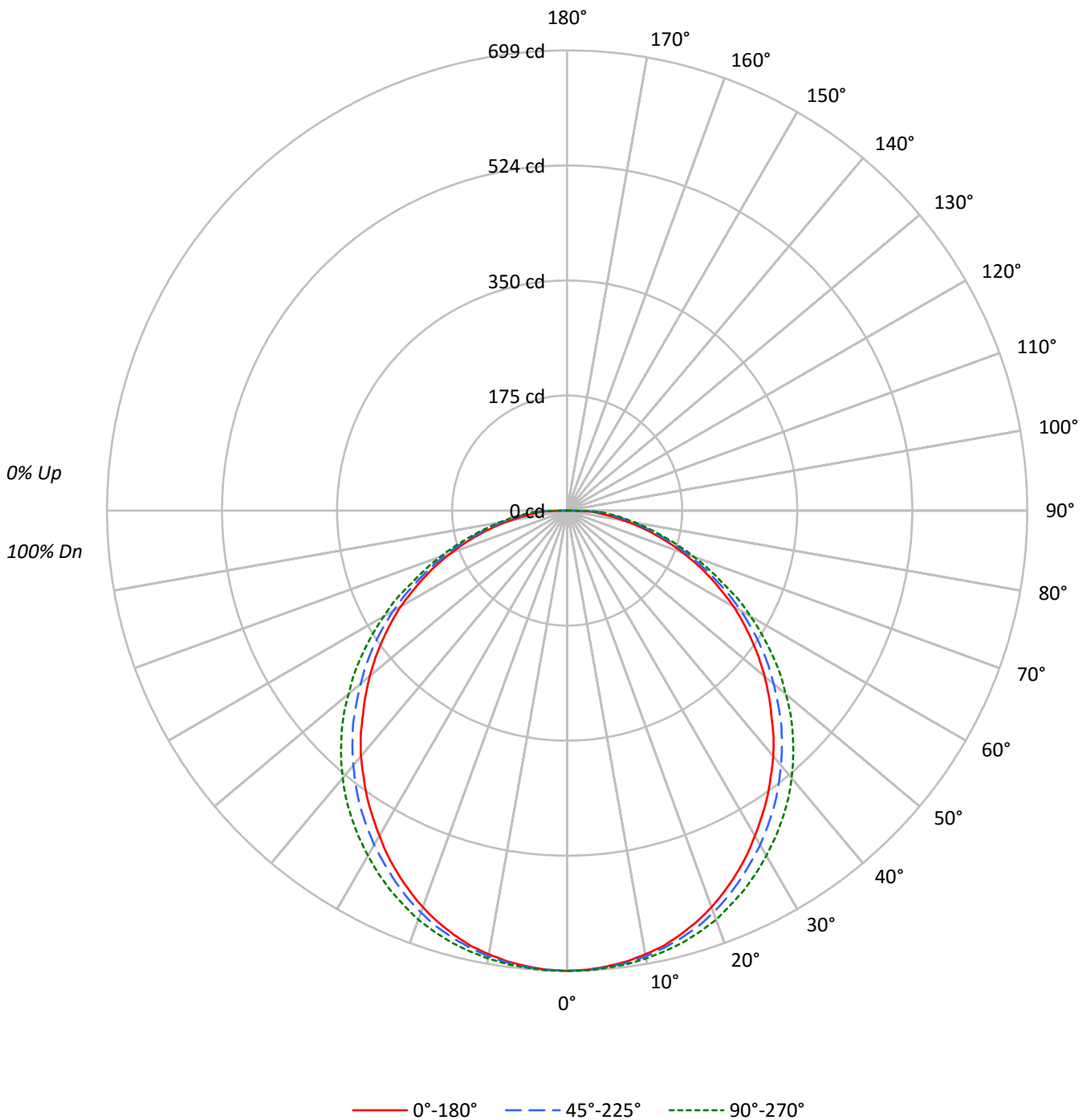
Lumens per Lamp: N/A
Luminaire Lumens: 2028.0 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 16.3
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	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1882	1882	1882
5°	1864	1861	1869
10°	1843	1841	1860
15°	1816	1814	1851
20°	1782	1784	1838
25°	1739	1745	1817
30°	1691	1706	1795
35°	1647	1664	1771
40°	1600	1615	1742
45°	1541	1565	1704
50°	1490	1502	1650
55°	1433	1440	1592
60°	1374	1362	1513
65°	1293	1265	1407
70°	1195	1160	1310
75°	1079	1043	1196
80°	921	920	1099
85°	784	833	1050



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.2	3.3
10°-20°	189.6	9.3
20°-30°	286.1	14.1
30°-40°	343.4	16.9
40°-50°	355.4	17.5
50°-60°	322.0	15.9
60°-70°	248.1	12.2
70°-80°	153.5	7.6
80°-90°	63.8	3.1
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°	541.9	26.7
0°-40°	885.3	43.7
0°-60°	1562.7	77.1
0°-90°	2028.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2028.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	699	699	699	699	699	
5°	695	695	696	696	697	66
15°	666	668	672	676	679	188
25°	608	611	620	631	636	280
35°	530	535	548	563	570	332
45°	439	445	460	477	485	339
55°	342	347	359	374	380	306
65°	239	242	249	259	260	237
75°	136	139	144	151	151	144
85°	50	55	63	68	66	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	699.2	699.2	699.2	699.2	699.2
2.5°	698.2	698.2	698.2	698.2	699.2
5°	695.0	695.0	696.0	696.0	697.1
7.5°	690.8	690.8	692.9	692.9	695.0
10°	684.4	685.5	687.6	688.7	690.8
12.5°	677.1	677.1	680.2	683.4	685.5
15°	666.5	667.6	671.8	676.0	679.2
17.5°	654.9	656.0	662.3	666.5	670.7
20°	641.2	642.3	649.6	656.0	661.2
22.5°	625.4	627.5	635.9	644.4	648.6
25°	608.5	610.6	620.1	630.7	635.9
27.5°	590.6	593.8	603.2	614.8	621.2
30°	570.5	574.8	586.4	599.0	605.4
32.5°	550.5	554.7	567.4	582.2	588.5
35°	530.5	534.7	548.4	563.2	570.5
37.5°	508.3	512.5	527.3	543.1	551.6
40°	487.2	491.5	505.2	523.1	530.5
42.5°	464.0	468.3	483.0	499.9	508.3
45°	438.7	445.0	459.8	476.7	485.1
47.5°	415.5	420.8	434.5	452.4	460.9
50°	391.3	396.5	409.2	427.1	433.4
52.5°	367.0	372.3	384.9	401.8	408.1
55°	341.7	347.0	358.6	374.4	379.7
57.5°	317.4	321.7	332.2	347.0	351.2
60°	292.1	296.3	304.8	318.5	321.7
62.5°	264.7	267.9	277.4	290.0	294.2
65°	239.4	241.5	248.9	259.4	260.5
67.5°	213.0	215.1	222.5	229.9	233.1
70°	186.7	189.8	195.1	202.5	204.6
72.5°	161.4	164.5	169.8	176.1	177.2
75°	136.0	139.2	144.5	150.8	150.8
77.5°	111.8	115.0	121.3	126.6	126.6
80°	87.5	92.8	99.1	104.4	104.4
82.5°	67.5	71.7	80.2	84.4	84.4
85°	49.6	54.8	63.3	67.5	66.4
87.5°	35.9	41.1	48.5	51.7	50.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)