

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: P385332

Luminaire Tested: **22ID-75-L840-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385332
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-75-L840-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

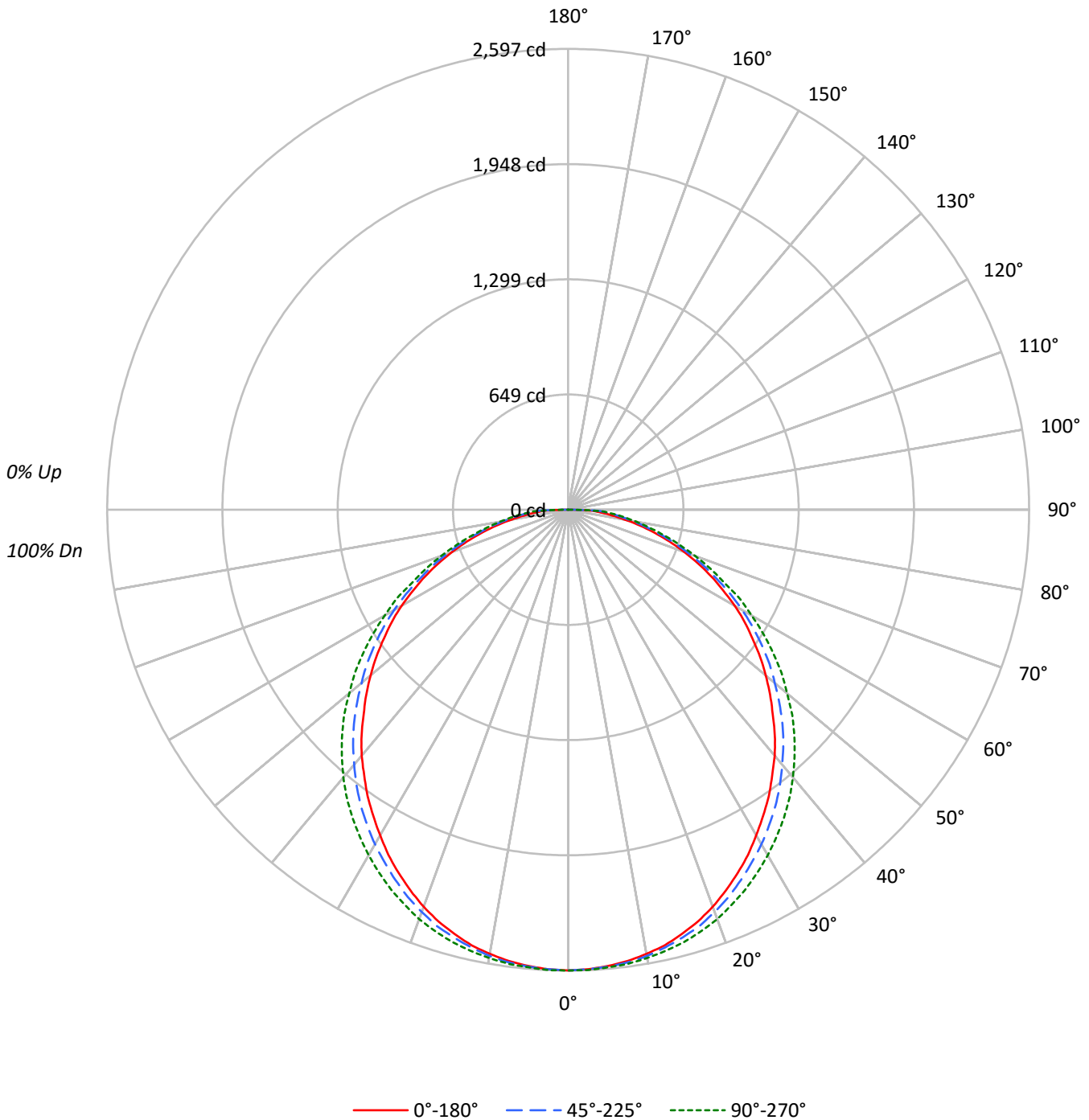
Lumens per Lamp: N/A
Luminaire Lumens: 7531.1 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 66.8
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	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°	6987	6987	6987
5°	6921	6911	6942
10°	6845	6835	6908
15°	6745	6737	6873
20°	6618	6624	6825
25°	6459	6481	6750
30°	6281	6335	6665
35°	6114	6180	6577
40°	5941	5997	6468
45°	5723	5813	6328
50°	5533	5578	6130
55°	5320	5347	5911
60°	5102	5059	5618
65°	4802	4698	5225
70°	4438	4306	4864
75°	4007	3874	4441
80°	3421	3419	4080
85°	2911	3091	3901



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.7	3.3
10°-20°	704.1	9.3
20°-30°	1062.5	14.1
30°-40°	1275.3	16.9
40°-50°	1319.8	17.5
50°-60°	1195.7	15.9
60°-70°	921.2	12.2
70°-80°	570.0	7.6
80°-90°	236.7	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°	2012.3	26.7
0°-40°	3287.6	43.7
0°-60°	5803.1	77.1
0°-90°	7531.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7531.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2597	2597	2597	2597	2597	
5°	2581	2581	2585	2585	2589	245
15°	2475	2479	2495	2510	2522	698
25°	2260	2268	2303	2342	2362	1041
35°	1970	1986	2036	2091	2119	1232
45°	1629	1653	1708	1770	1802	1260
55°	1269	1288	1332	1390	1410	1136
65°	889	897	924	963	967	879
75°	505	517	536	560	560	535
85°	184	204	235	251	247	199
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2596.6	2596.6	2596.6	2596.6	2596.6
2.5°	2592.7	2592.7	2592.7	2592.7	2596.6
5°	2580.9	2580.9	2584.8	2584.8	2588.7
7.5°	2565.2	2565.2	2573.1	2573.1	2580.9
10°	2541.7	2545.7	2553.5	2557.4	2565.2
12.5°	2514.3	2514.3	2526.1	2537.8	2545.7
15°	2475.2	2479.1	2494.7	2510.4	2522.2
17.5°	2432.1	2436.0	2459.5	2475.2	2490.8
20°	2381.2	2385.1	2412.5	2436.0	2455.6
22.5°	2322.4	2330.3	2361.6	2392.9	2408.6
25°	2259.8	2267.6	2302.8	2342.0	2361.6
27.5°	2193.2	2204.9	2240.2	2283.3	2306.8
30°	2118.8	2134.4	2177.5	2224.5	2248.0
32.5°	2044.4	2060.0	2107.0	2161.9	2185.3
35°	1969.9	1985.6	2036.5	2091.4	2118.8
37.5°	1887.7	1903.4	1958.2	2016.9	2048.3
40°	1809.4	1825.0	1876.0	1942.5	1969.9
42.5°	1723.2	1738.9	1793.7	1856.4	1887.7
45°	1629.2	1652.7	1707.5	1770.2	1801.5
47.5°	1543.1	1562.6	1613.6	1680.1	1711.5
50°	1453.0	1472.6	1519.6	1586.1	1609.6
52.5°	1362.9	1382.5	1429.5	1492.1	1515.6
55°	1268.9	1288.5	1331.6	1390.3	1409.9
57.5°	1178.8	1194.5	1233.7	1288.5	1304.2
60°	1084.8	1100.5	1131.8	1182.8	1194.5
62.5°	983.0	994.8	1030.0	1077.0	1092.7
65°	889.0	896.9	924.3	963.4	967.3
67.5°	791.1	798.9	826.4	853.8	865.5
70°	693.2	705.0	724.5	751.9	759.8
72.5°	599.2	611.0	630.5	654.0	658.0
75°	505.2	517.0	536.5	560.0	560.0
77.5°	415.1	426.9	450.4	470.0	470.0
80°	325.1	344.6	368.1	387.7	387.7
82.5°	250.6	266.3	297.6	313.3	313.3
85°	184.1	203.7	235.0	250.6	246.7
87.5°	133.2	152.7	180.2	191.9	188.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)