

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: P383780

Luminaire Tested: **22ID-25-L840-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-25-L840-CFR1
Description: 2X2 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

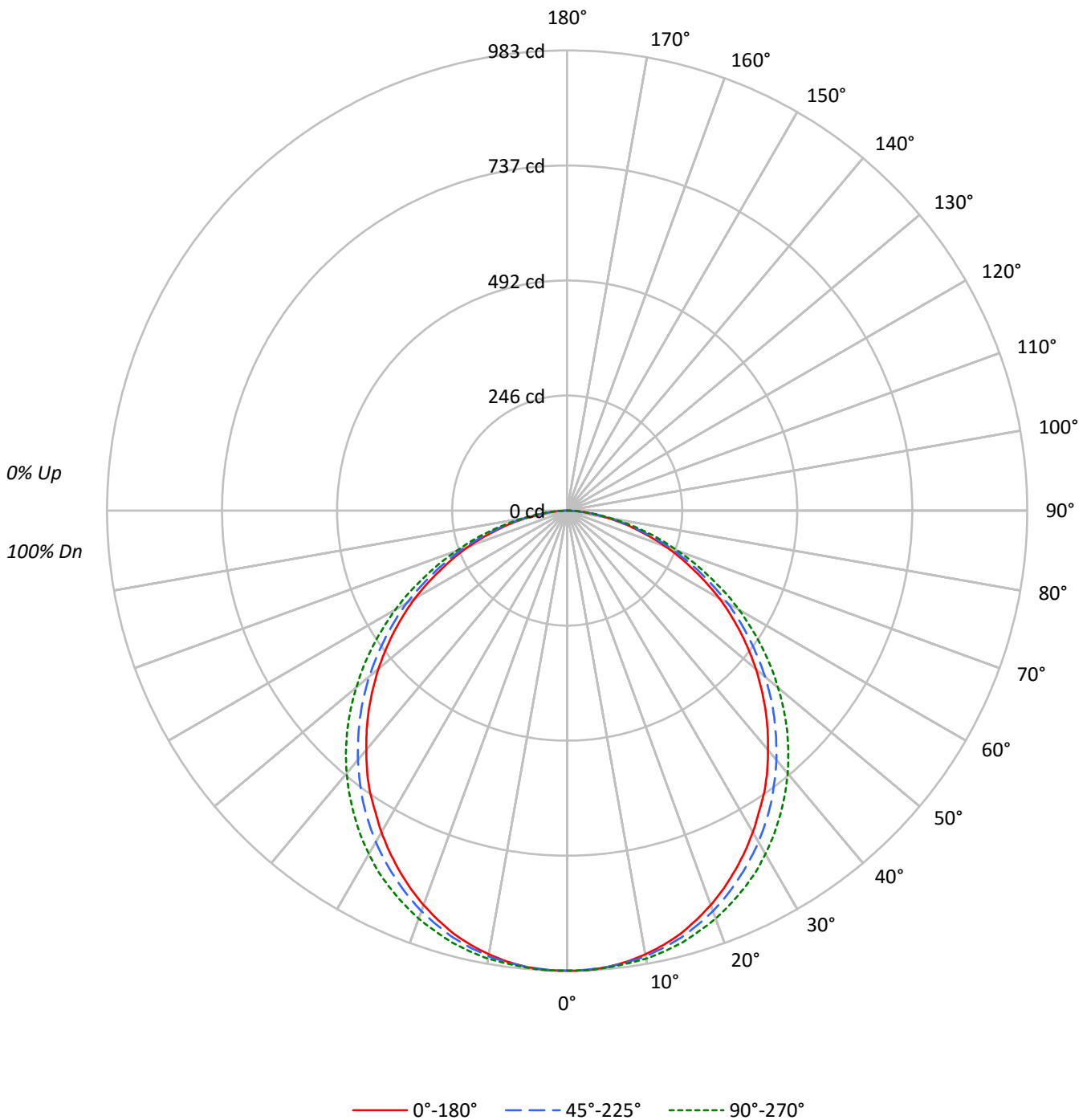
Lumens per Lamp: N/A
Luminaire Lumens: 2669.3 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20.7
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	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					100			
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84					84			
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71					71			
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60					60			
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51					51			
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44					44			
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39					39			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34					34			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31					31			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28					28			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2645	2645	2645
5°	2644	2644	2648
10°	2631	2641	2656
15°	2607	2630	2660
20°	2568	2607	2657
25°	2520	2575	2647
30°	2466	2541	2632
35°	2413	2497	2607
40°	2344	2443	2575
45°	2279	2381	2529
50°	2203	2310	2462
55°	2116	2224	2381
60°	2024	2132	2284
65°	1889	2001	2138
70°	1754	1849	1976
75°	1564	1647	1787
80°	1311	1373	1499
85°	994	994	1121



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	3.5
10°-20°	266.2	10.0
20°-30°	400.2	15.0
30°-40°	476.1	17.8
40°-50°	484.4	18.1
50°-60°	426.3	16.0
60°-70°	312.8	11.7
70°-80°	169.8	6.4
80°-90°	40.5	1.5
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°	759.4	28.5
0°-40°	1235.5	46.3
0°-60°	2146.3	80.4
0°-90°	2669.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2669.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	983	983	983	983	983	
5°	979	978	979	979	980	93
15°	936	937	944	949	955	264
25°	849	854	867	882	892	391
35°	734	740	760	783	794	459
45°	599	604	626	653	665	462
55°	451	458	474	497	508	403
65°	297	302	314	328	336	295
75°	150	153	158	166	172	160
85°	32	32	32	35	36	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	982.9	982.9	982.9	982.9	982.9
2.5°	982.9	981.5	981.5	981.5	982.9
5°	978.8	977.5	978.8	978.8	980.2
7.5°	972.1	970.8	973.5	974.8	976.1
10°	962.7	962.7	966.7	969.4	972.1
12.5°	950.6	952.0	956.0	960.0	964.1
15°	935.9	937.2	943.9	949.3	954.7
17.5°	917.1	919.8	927.8	935.9	941.2
20°	896.9	901.0	910.4	921.1	927.8
22.5°	874.1	879.5	890.2	903.6	910.4
25°	848.6	854.0	867.4	882.2	891.6
27.5°	821.7	828.4	843.2	860.7	871.4
30°	793.5	800.3	817.7	836.5	847.2
32.5°	762.7	770.7	789.5	811.0	821.7
35°	734.5	739.8	760.0	782.8	793.5
37.5°	702.2	708.9	727.7	751.9	764.0
40°	667.3	674.0	695.5	719.7	733.1
42.5°	633.8	639.1	660.6	687.5	699.5
45°	598.8	604.2	625.7	652.6	664.6
47.5°	562.6	569.3	589.4	615.0	627.0
50°	526.3	531.7	551.9	576.0	588.1
52.5°	488.7	494.1	512.9	537.1	549.2
55°	451.1	457.9	474.0	496.8	507.5
57.5°	413.6	420.3	435.0	456.5	465.9
60°	376.0	381.3	396.1	414.9	424.3
62.5°	335.7	339.7	354.5	373.3	381.3
65°	296.7	302.1	314.2	327.6	335.7
67.5°	260.5	263.2	273.9	288.7	294.1
70°	222.9	225.6	235.0	247.1	251.1
72.5°	185.3	189.3	196.0	206.8	212.1
75°	150.4	153.1	158.4	166.5	171.9
77.5°	116.8	118.2	122.2	128.9	132.9
80°	84.6	85.9	88.6	94.0	96.7
82.5°	56.4	57.7	59.1	61.8	64.4
85°	32.2	32.2	32.2	34.9	36.3
87.5°	12.1	10.7	10.7	10.7	10.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)