

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: P385152

Luminaire Tested: **22ID-60-L840-CNC**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385152  
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: 22ID-60-L840-CNC  
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -  
Ballast/Driver: -

**Summary**

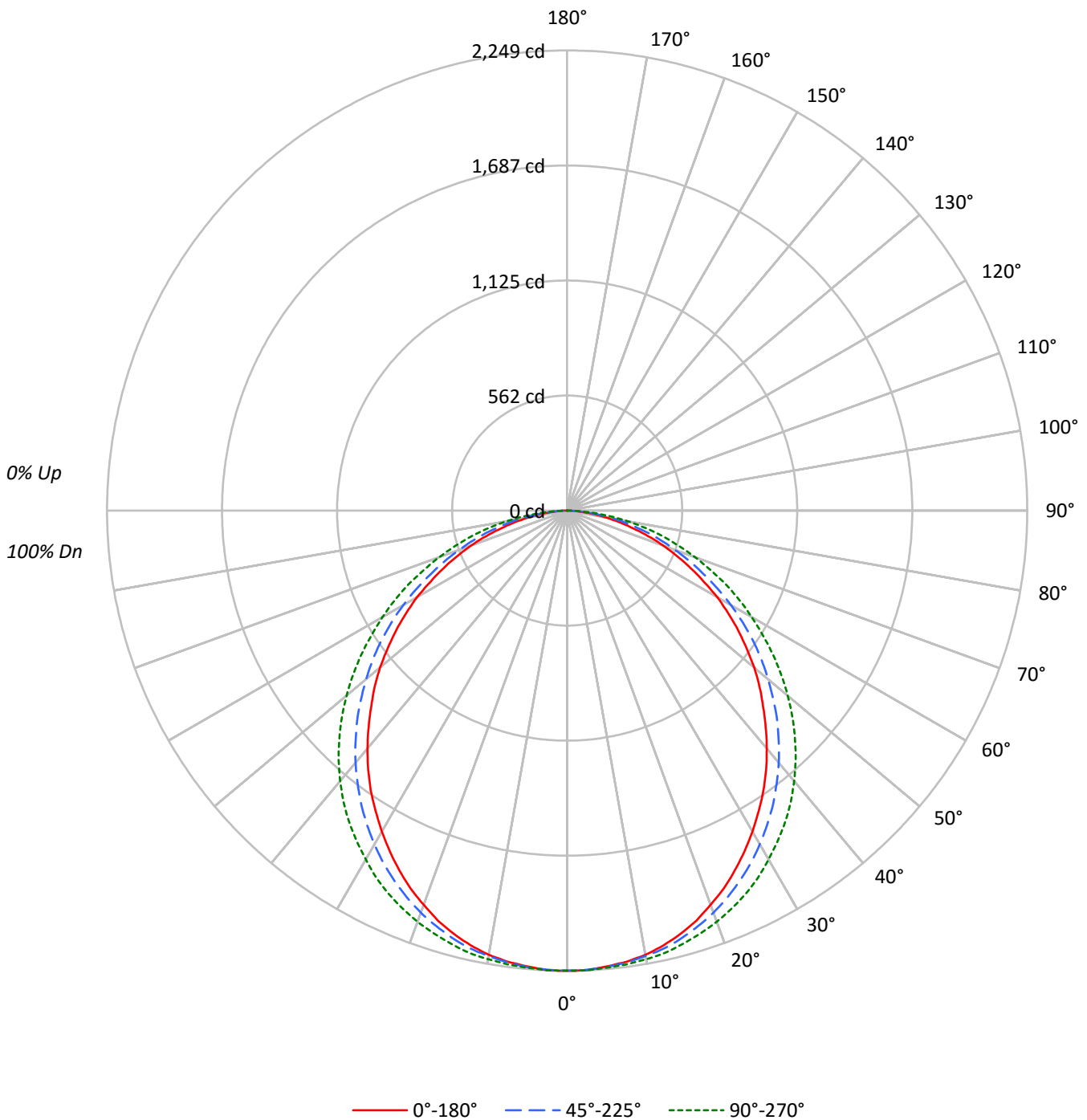
Lumens per Lamp: N/A  
Luminaire Lumens: 6243.9 lumens  
Efficiency: N/A  
Efficacy: 121.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 51.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



TEST NUMBER: P385152  
CATALOG NUMBER: 22ID-60-L840-CNC

### Luminous Intensity Polar Plot





TEST NUMBER: P385152

CATALOG NUMBER: 22ID-60-L840-CNC

**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°	6051	6051	6051
5°	6041	6049	6058
10°	6024	6042	6085
15°	5967	6028	6107
20°	5872	5989	6124
25°	5761	5929	6135
30°	5627	5853	6117
35°	5494	5763	6105
40°	5333	5654	6063
45°	5154	5526	5993
50°	4997	5367	5894
55°	4788	5202	5763
60°	4560	4984	5611
65°	4252	4693	5455
70°	3915	4411	5229
75°	3472	4093	5010
80°	2929	3660	4637
85°	2140	2819	3696



TEST NUMBER: P385152

CATALOG NUMBER: 22ID-60-L840-CNC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	212.9	3.4
10°-20°	610.7	9.8
20°-30°	921.1	14.8
30°-40°	1099.6	17.6
40°-50°	1123.8	18.0
50°-60°	996.5	16.0
60°-70°	742.9	11.9
70°-80°	424.4	6.8
80°-90°	111.9	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°	1744.7	27.9
0°-40°	2844.3	45.6
0°-60°	4964.7	79.5
0°-90°	6243.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6243.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2249	2249	2249	2249	2249	
5°	2236	2236	2239	2239	2242	213
15°	2142	2148	2164	2183	2192	603
25°	1940	1956	1997	2041	2066	893
35°	1672	1694	1754	1824	1858	1045
45°	1354	1383	1452	1531	1575	1046
55°	1020	1039	1109	1187	1228	912
65°	668	684	737	813	857	662
75°	334	350	394	454	482	356
85°	69	72	91	113	120	87
90°	0	0	0	0	0	



TEST NUMBER: P385152

CATALOG NUMBER: 22ID-60-L840-CNC

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2248.8	2248.8	2248.8	2248.8	2248.8
2.5°	2248.8	2245.7	2245.7	2245.7	2248.8
5°	2236.2	2236.2	2239.4	2239.4	2242.5
7.5°	2223.6	2223.6	2226.8	2229.9	2236.2
10°	2204.7	2204.7	2211.0	2220.5	2226.8
12.5°	2176.4	2179.5	2192.1	2204.7	2214.2
15°	2141.7	2148.0	2163.8	2182.7	2192.1
17.5°	2100.8	2107.1	2129.1	2154.3	2166.9
20°	2050.4	2063.0	2091.4	2122.8	2138.6
22.5°	2000.0	2012.6	2047.3	2085.1	2104.0
25°	1940.2	1955.9	1996.9	2041.0	2066.2
27.5°	1877.2	1896.1	1943.3	1993.7	2022.1
30°	1811.0	1833.1	1883.5	1940.2	1968.5
32.5°	1741.7	1763.8	1820.5	1883.5	1915.0
35°	1672.5	1694.5	1754.3	1823.6	1858.3
37.5°	1596.9	1618.9	1681.9	1757.5	1795.3
40°	1518.1	1543.3	1609.5	1685.1	1726.0
42.5°	1436.2	1464.6	1530.7	1612.6	1653.6
45°	1354.3	1382.7	1452.0	1530.7	1574.8
47.5°	1275.6	1297.6	1366.9	1448.8	1492.9
50°	1193.7	1212.6	1281.9	1363.8	1407.9
52.5°	1105.5	1130.7	1196.9	1278.7	1319.7
55°	1020.5	1039.4	1108.7	1187.4	1228.4
57.5°	932.3	951.2	1017.3	1096.1	1133.9
60°	847.3	866.1	926.0	1004.7	1042.5
62.5°	752.8	771.7	831.5	913.4	951.2
65°	667.7	683.5	737.0	812.6	856.7
67.5°	582.7	598.4	648.8	721.3	755.9
70°	497.6	510.2	560.6	626.8	664.6
72.5°	415.8	428.3	478.7	538.6	570.1
75°	333.9	349.6	393.7	453.5	481.9
77.5°	258.3	274.0	311.8	365.4	390.6
80°	189.0	201.6	236.2	277.2	299.2
82.5°	126.0	135.4	160.6	195.3	211.0
85°	69.3	72.4	91.3	113.4	119.7
87.5°	28.3	28.3	34.6	37.8	40.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)