

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: P385312

Luminaire Tested: **22ID-50-L840-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385312
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-50-L840-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

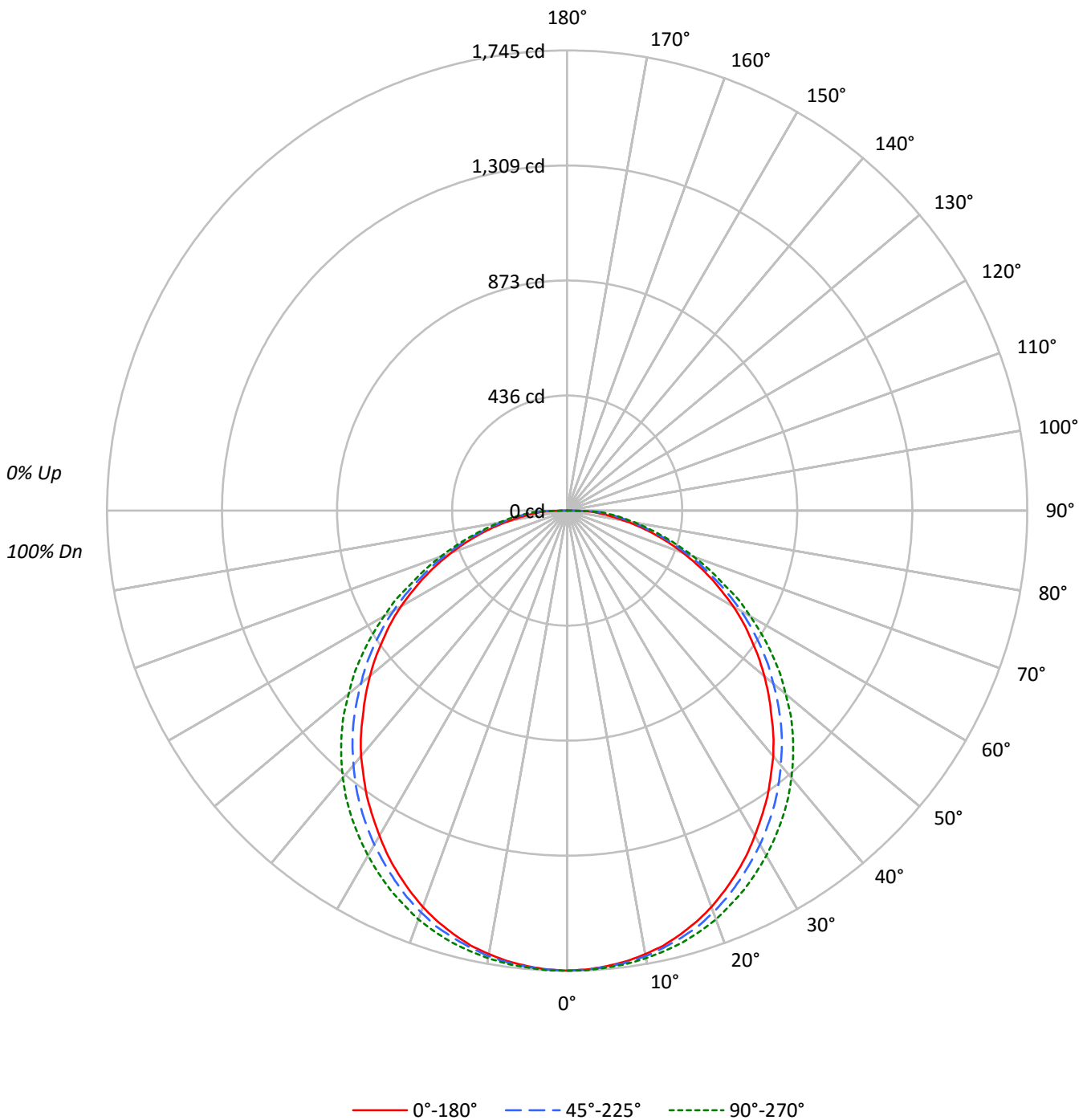
Lumens per Lamp: N/A
Luminaire Lumens: 5059.9 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 41.5
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°	4695	4695	4695
5°	4650	4643	4664
10°	4599	4592	4641
15°	4532	4527	4618
20°	4446	4451	4585
25°	4339	4355	4535
30°	4220	4256	4478
35°	4108	4152	4418
40°	3991	4029	4345
45°	3845	3906	4252
50°	3718	3748	4119
55°	3574	3592	3972
60°	3428	3399	3774
65°	3227	3156	3511
70°	2981	2893	3268
75°	2692	2603	2984
80°	2298	2297	2741
85°	1956	2077	2622



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.1	3.3
10°-20°	473.1	9.3
20°-30°	713.9	14.1
30°-40°	856.8	16.9
40°-50°	886.7	17.5
50°-60°	803.3	15.9
60°-70°	618.9	12.2
70°-80°	383.0	7.6
80°-90°	159.1	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°	1352.0	26.7
0°-40°	2208.8	43.7
0°-60°	3898.9	77.1
0°-90°	5059.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5059.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1745	1745	1745	1745	1745	
5°	1734	1734	1737	1737	1739	165
15°	1663	1666	1676	1687	1695	469
25°	1518	1524	1547	1574	1587	699
35°	1324	1334	1368	1405	1424	827
45°	1095	1110	1147	1189	1210	846
55°	852	866	895	934	947	763
65°	597	603	621	647	650	591
75°	339	347	360	376	376	360
85°	124	137	158	168	166	134
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1744.6	1744.6	1744.6	1744.6	1744.6
2.5°	1741.9	1741.9	1741.9	1741.9	1744.6
5°	1734.0	1734.0	1736.7	1736.7	1739.3
7.5°	1723.5	1723.5	1728.8	1728.8	1734.0
10°	1707.7	1710.3	1715.6	1718.2	1723.5
12.5°	1689.3	1689.3	1697.2	1705.1	1710.3
15°	1663.0	1665.6	1676.1	1686.7	1694.6
17.5°	1634.0	1636.7	1652.5	1663.0	1673.5
20°	1599.8	1602.5	1620.9	1636.7	1649.8
22.5°	1560.4	1565.6	1586.7	1607.7	1618.2
25°	1518.3	1523.5	1547.2	1573.5	1586.7
27.5°	1473.5	1481.4	1505.1	1534.0	1549.8
30°	1423.5	1434.1	1463.0	1494.6	1510.4
32.5°	1373.5	1384.1	1415.6	1452.5	1468.3
35°	1323.5	1334.1	1368.3	1405.1	1423.5
37.5°	1268.3	1278.8	1315.6	1355.1	1376.2
40°	1215.7	1226.2	1260.4	1305.1	1323.5
42.5°	1157.8	1168.3	1205.1	1247.2	1268.3
45°	1094.6	1110.4	1147.2	1189.3	1210.4
47.5°	1036.7	1049.9	1084.1	1128.8	1149.9
50°	976.2	989.4	1020.9	1065.7	1081.5
52.5°	915.7	928.8	960.4	1002.5	1018.3
55°	852.5	865.7	894.6	934.1	947.3
57.5°	792.0	802.5	828.9	865.7	876.2
60°	728.9	739.4	760.4	794.7	802.5
62.5°	660.5	668.3	692.0	723.6	734.1
65°	597.3	602.6	621.0	647.3	649.9
67.5°	531.5	536.8	555.2	573.6	581.5
70°	465.7	473.6	486.8	505.2	510.5
72.5°	402.6	410.5	423.6	439.4	442.1
75°	339.4	347.3	360.5	376.3	376.3
77.5°	278.9	286.8	302.6	315.8	315.8
80°	218.4	231.6	247.3	260.5	260.5
82.5°	168.4	178.9	200.0	210.5	210.5
85°	123.7	136.8	157.9	168.4	165.8
87.5°	89.5	102.6	121.0	128.9	126.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)