

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: P385320

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

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385320
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-60-L840-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

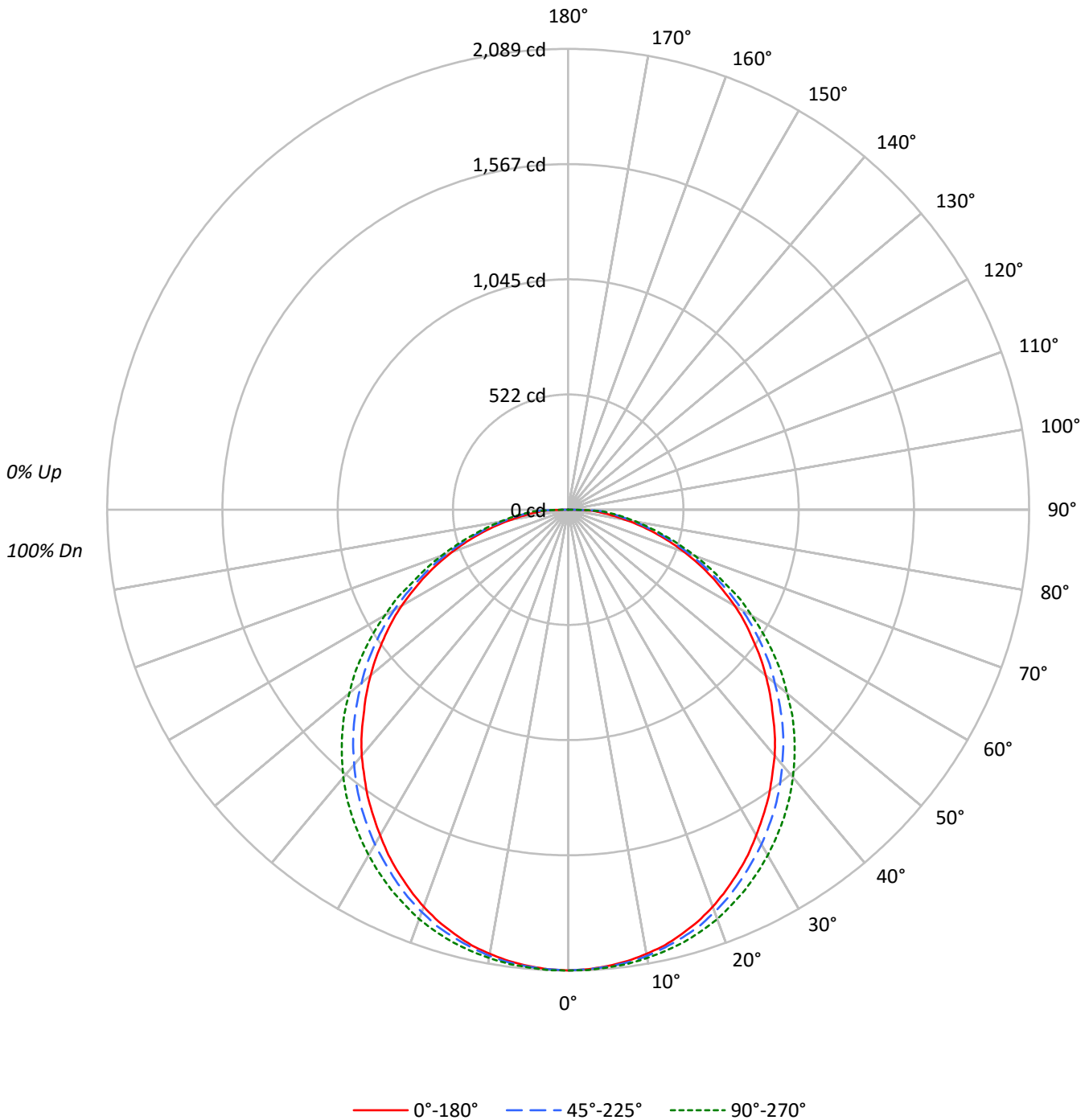
Lumens per Lamp: N/A
Luminaire Lumens: 6058.0 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 51.4
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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CATALOG NUMBER: 22ID-60-L840-CNV

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°	5621	5621	5621
5°	5567	5559	5584
10°	5506	5498	5557
15°	5426	5420	5529
20°	5324	5329	5490
25°	5195	5214	5430
30°	5053	5096	5361
35°	4919	4971	5290
40°	4779	4824	5203
45°	4604	4676	5091
50°	4451	4487	4931
55°	4279	4301	4755
60°	4104	4069	4519
65°	3863	3779	4203
70°	3570	3464	3913
75°	3223	3117	3573
80°	2752	2750	3282
85°	2342	2486	3139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.6	3.3
10°-20°	566.4	9.3
20°-30°	854.7	14.1
30°-40°	1025.9	16.9
40°-50°	1061.7	17.5
50°-60°	961.8	15.9
60°-70°	741.0	12.2
70°-80°	458.5	7.6
80°-90°	190.4	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°	1618.7	26.7
0°-40°	2644.5	43.7
0°-60°	4668.0	77.1
0°-90°	6058.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6058.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2089	2089	2089	2089	2089	
5°	2076	2076	2079	2079	2082	197
15°	1991	1994	2007	2019	2029	562
25°	1818	1824	1852	1884	1900	837
35°	1585	1597	1638	1682	1704	991
45°	1310	1329	1374	1424	1449	1013
55°	1021	1036	1071	1118	1134	914
65°	715	721	744	775	778	707
75°	406	416	432	450	450	430
85°	148	164	189	202	198	160
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2088.7	2088.7	2088.7	2088.7	2088.7
2.5°	2085.5	2085.5	2085.5	2085.5	2088.7
5°	2076.1	2076.1	2079.2	2079.2	2082.4
7.5°	2063.5	2063.5	2069.8	2069.8	2076.1
10°	2044.6	2047.7	2054.0	2057.2	2063.5
12.5°	2022.5	2022.5	2032.0	2041.4	2047.7
15°	1991.0	1994.2	2006.8	2019.4	2028.8
17.5°	1956.4	1959.5	1978.4	1991.0	2003.6
20°	1915.4	1918.6	1940.6	1959.5	1975.3
22.5°	1868.2	1874.5	1899.7	1924.9	1937.5
25°	1817.7	1824.0	1852.4	1883.9	1899.7
27.5°	1764.2	1773.6	1802.0	1836.6	1855.6
30°	1704.3	1716.9	1751.6	1789.4	1808.3
32.5°	1644.5	1657.1	1694.9	1739.0	1757.9
35°	1584.6	1597.2	1638.2	1682.3	1704.3
37.5°	1518.5	1531.1	1575.2	1622.4	1647.6
40°	1455.5	1468.1	1509.0	1562.6	1584.6
42.5°	1386.1	1398.8	1442.9	1493.3	1518.5
45°	1310.5	1329.4	1373.5	1424.0	1449.2
47.5°	1241.2	1257.0	1297.9	1351.5	1376.7
50°	1168.8	1184.5	1222.3	1275.9	1294.8
52.5°	1096.3	1112.1	1149.9	1200.3	1219.2
55°	1020.7	1036.5	1071.1	1118.4	1134.1
57.5°	948.3	960.9	992.4	1036.5	1049.1
60°	872.6	885.2	910.4	951.4	960.9
62.5°	790.7	800.2	828.5	866.3	878.9
65°	715.1	721.4	743.5	775.0	778.1
67.5°	636.4	642.7	664.7	686.8	696.2
70°	557.6	567.1	582.8	604.9	611.2
72.5°	482.0	491.5	507.2	526.1	529.3
75°	406.4	415.8	431.6	450.5	450.5
77.5°	333.9	343.4	362.3	378.0	378.0
80°	261.5	277.2	296.1	311.9	311.9
82.5°	201.6	214.2	239.4	252.0	252.0
85°	148.1	163.8	189.0	201.6	198.5
87.5°	107.1	122.9	144.9	154.4	151.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)