

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: P385141

Luminaire Tested: **22ID-45-L850-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385141
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-45-L850-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

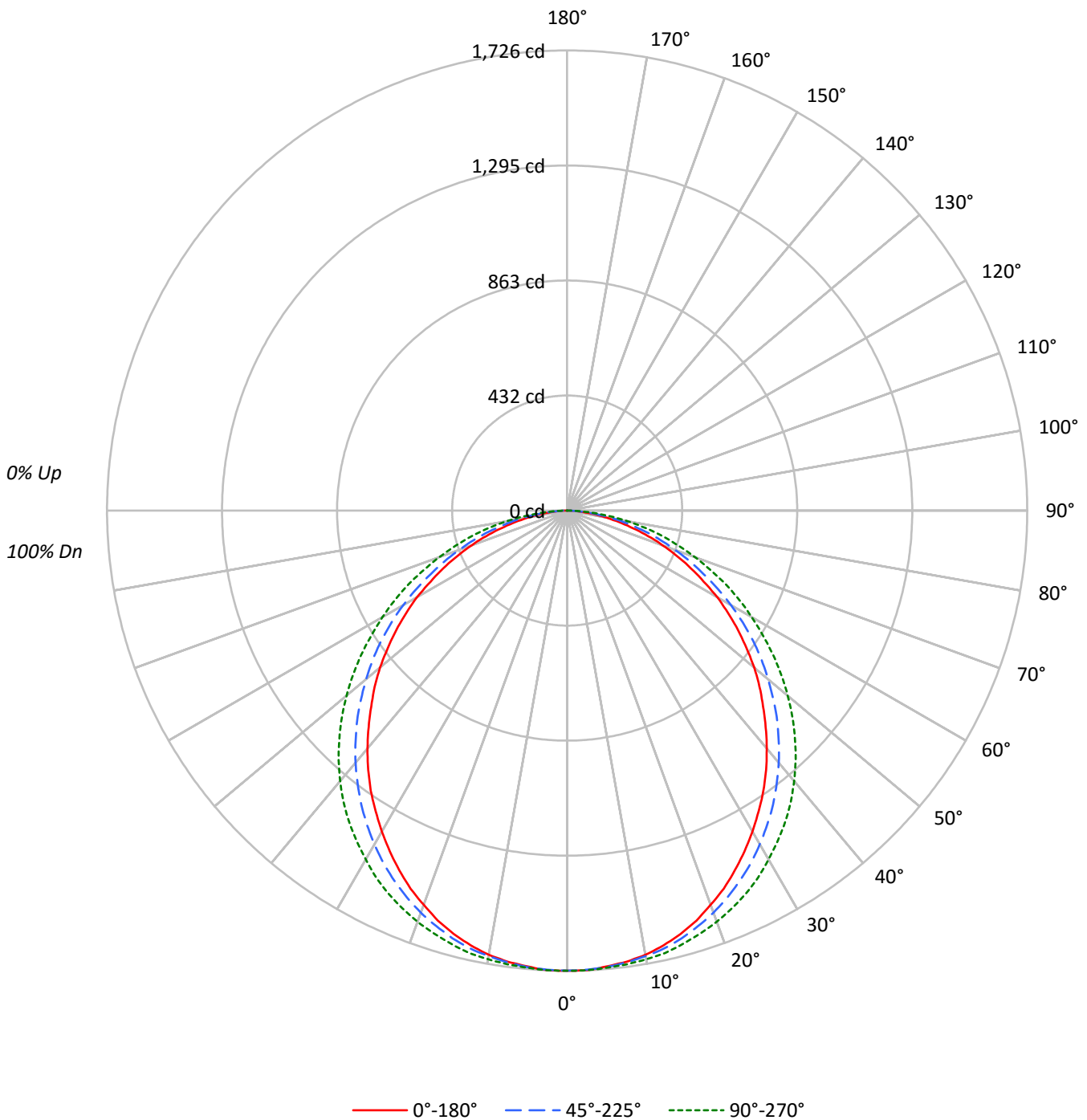
Lumens per Lamp: N/A
Luminaire Lumens: 4792.1 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 37.5
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	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°	4644	4644	4644
5°	4636	4643	4649
10°	4624	4637	4670
15°	4579	4627	4687
20°	4507	4596	4700
25°	4421	4551	4708
30°	4319	4492	4694
35°	4217	4423	4685
40°	4093	4339	4653
45°	3956	4241	4599
50°	3836	4119	4523
55°	3674	3992	4423
60°	3500	3825	4306
65°	3263	3601	4187
70°	3005	3386	4013
75°	2664	3142	3845
80°	2247	2810	3558
85°	1643	2164	2837



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.4	3.4
10°-20°	468.7	9.8
20°-30°	706.9	14.8
30°-40°	843.9	17.6
40°-50°	862.5	18.0
50°-60°	764.8	16.0
60°-70°	570.2	11.9
70°-80°	325.7	6.8
80°-90°	85.9	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°	1339.0	27.9
0°-40°	2182.9	45.6
0°-60°	3810.3	79.5
0°-90°	4792.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4792.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1726	1726	1726	1726	1726	
5°	1716	1716	1719	1719	1721	163
15°	1644	1649	1661	1675	1682	463
25°	1489	1501	1533	1566	1586	686
35°	1284	1300	1346	1400	1426	802
45°	1039	1061	1114	1175	1209	803
55°	783	798	851	911	943	700
65°	512	525	566	624	658	508
75°	256	268	302	348	370	273
85°	53	56	70	87	92	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1725.9	1725.9	1725.9	1725.9	1725.9
2.5°	1725.9	1723.5	1723.5	1723.5	1725.9
5°	1716.3	1716.3	1718.7	1718.7	1721.1
7.5°	1706.6	1706.6	1709.0	1711.4	1716.3
10°	1692.1	1692.1	1696.9	1704.2	1709.0
12.5°	1670.3	1672.8	1682.4	1692.1	1699.4
15°	1643.8	1648.6	1660.7	1675.2	1682.4
17.5°	1612.3	1617.2	1634.1	1653.4	1663.1
20°	1573.7	1583.3	1605.1	1629.3	1641.3
22.5°	1535.0	1544.7	1571.2	1600.2	1614.8
25°	1489.1	1501.1	1532.6	1566.4	1585.7
27.5°	1440.7	1455.2	1491.5	1530.1	1551.9
30°	1389.9	1406.9	1445.5	1489.1	1510.8
32.5°	1336.8	1353.7	1397.2	1445.5	1469.7
35°	1283.6	1300.5	1346.4	1399.6	1426.2
37.5°	1225.6	1242.5	1290.8	1348.8	1377.9
40°	1165.1	1184.5	1235.2	1293.3	1324.7
42.5°	1102.3	1124.0	1174.8	1237.7	1269.1
45°	1039.4	1061.2	1114.4	1174.8	1208.6
47.5°	979.0	995.9	1049.1	1112.0	1145.8
50°	916.2	930.7	983.8	1046.7	1080.5
52.5°	848.5	867.8	918.6	981.4	1012.8
55°	783.2	797.7	850.9	911.3	942.7
57.5°	715.5	730.0	780.8	841.2	870.2
60°	650.3	664.8	710.7	771.1	800.1
62.5°	577.7	592.2	638.2	701.0	730.0
65°	512.5	524.6	565.6	623.7	657.5
67.5°	447.2	459.3	498.0	553.6	580.2
70°	381.9	391.6	430.3	481.0	510.0
72.5°	319.1	328.8	367.4	413.4	437.5
75°	256.2	268.3	302.2	348.1	369.8
77.5°	198.2	210.3	239.3	280.4	299.7
80°	145.0	154.7	181.3	212.7	229.6
82.5°	96.7	103.9	123.3	149.9	162.0
85°	53.2	55.6	70.1	87.0	91.9
87.5°	21.8	21.8	26.6	29.0	31.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)