

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: P385309

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

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385309
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-45-L850-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

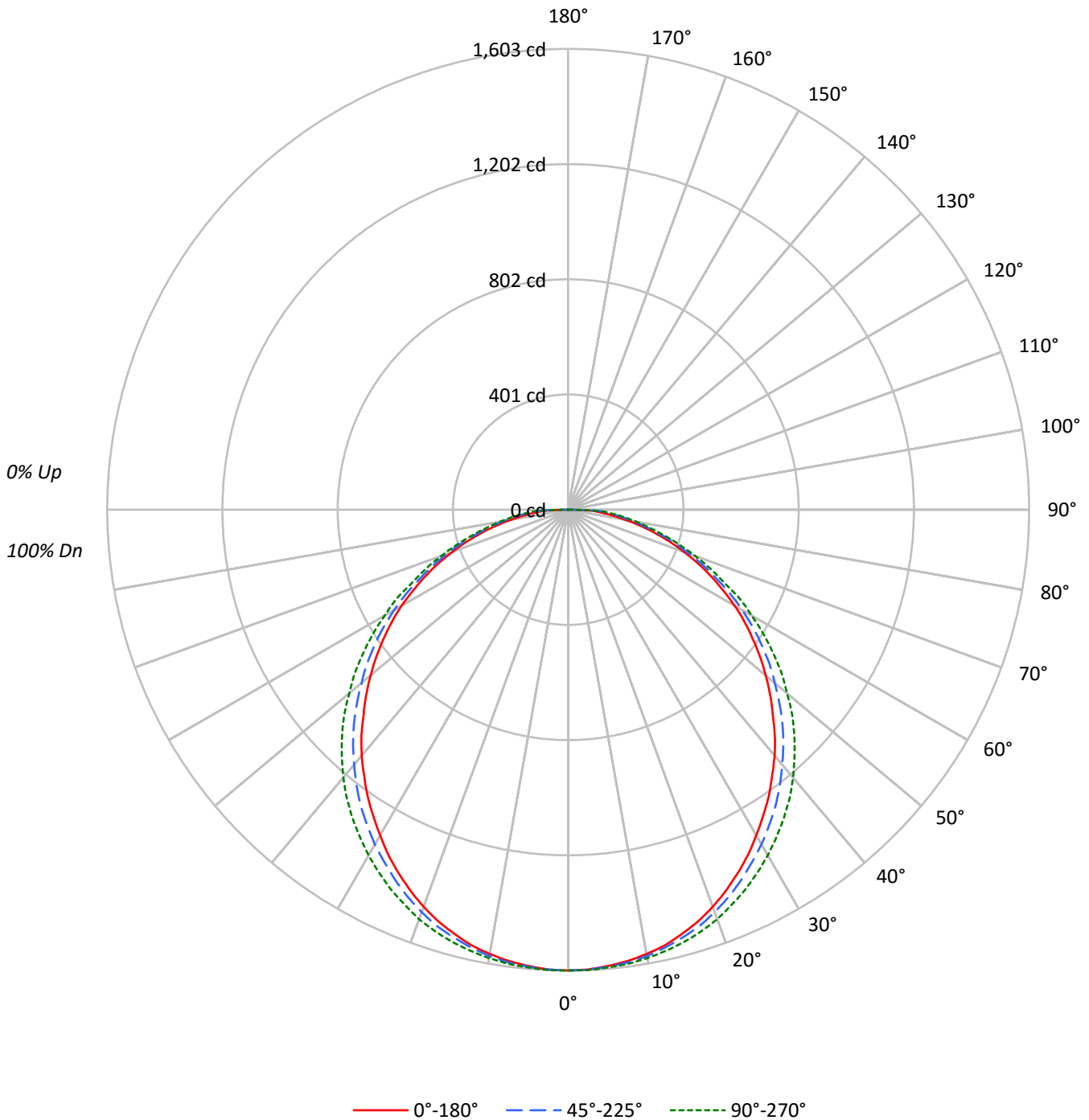
Lumens per Lamp: N/A
Luminaire Lumens: 4649.4 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 37.5
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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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°	4314	4314	4314
5°	4273	4267	4286
10°	4226	4220	4265
15°	4164	4160	4243
20°	4086	4090	4214
25°	3987	4001	4167
30°	3878	3911	4114
35°	3775	3815	4060
40°	3667	3702	3993
45°	3533	3589	3907
50°	3416	3444	3784
55°	3284	3301	3649
60°	3150	3123	3468
65°	2965	2900	3226
70°	2740	2658	3003
75°	2474	2392	2742
80°	2112	2111	2519
85°	1796	1909	2408



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.7	3.3
10°-20°	434.7	9.3
20°-30°	655.9	14.1
30°-40°	787.3	16.9
40°-50°	814.8	17.5
50°-60°	738.2	15.9
60°-70°	568.7	12.2
70°-80°	351.9	7.6
80°-90°	146.2	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°	1242.3	26.7
0°-40°	2029.6	43.7
0°-60°	3582.6	77.1
0°-90°	4649.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4649.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1603	1603	1603	1603	1603	
5°	1593	1593	1596	1596	1598	151
15°	1528	1530	1540	1550	1557	431
25°	1395	1400	1422	1446	1458	643
35°	1216	1226	1257	1291	1308	760
45°	1006	1020	1054	1093	1112	778
55°	783	796	822	858	870	701
65°	549	554	571	595	597	543
75°	312	319	331	346	346	330
85°	114	126	145	155	152	123
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1603.0	1603.0	1603.0	1603.0	1603.0
2.5°	1600.6	1600.6	1600.6	1600.6	1603.0
5°	1593.3	1593.3	1595.8	1595.8	1598.2
7.5°	1583.7	1583.7	1588.5	1588.5	1593.3
10°	1569.2	1571.6	1576.4	1578.8	1583.7
12.5°	1552.2	1552.2	1559.5	1566.8	1571.6
15°	1528.1	1530.5	1540.2	1549.8	1557.1
17.5°	1501.5	1503.9	1518.4	1528.1	1537.7
20°	1470.0	1472.5	1489.4	1503.9	1516.0
22.5°	1433.8	1438.6	1457.9	1477.3	1487.0
25°	1395.1	1399.9	1421.7	1445.9	1457.9
27.5°	1354.0	1361.2	1383.0	1409.6	1424.1
30°	1308.0	1317.7	1344.3	1373.3	1387.8
32.5°	1262.1	1271.8	1300.8	1334.6	1349.1
35°	1216.2	1225.8	1257.3	1291.1	1308.0
37.5°	1165.4	1175.1	1208.9	1245.2	1264.5
40°	1117.0	1126.7	1158.1	1199.2	1216.2
42.5°	1063.8	1073.5	1107.4	1146.0	1165.4
45°	1005.8	1020.3	1054.2	1092.9	1112.2
47.5°	952.6	964.7	996.1	1037.2	1056.6
50°	897.0	909.1	938.1	979.2	993.7
52.5°	841.4	853.5	882.5	921.2	935.7
55°	783.4	795.5	822.1	858.3	870.4
57.5°	727.8	737.4	761.6	795.5	805.1
60°	669.7	679.4	698.8	730.2	737.4
62.5°	606.9	614.1	635.9	664.9	674.6
65°	548.8	553.7	570.6	594.8	597.2
67.5°	488.4	493.2	510.2	527.1	534.3
70°	428.0	435.2	447.3	464.2	469.1
72.5°	369.9	377.2	389.3	403.8	406.2
75°	311.9	319.2	331.2	345.7	345.7
77.5°	256.3	263.5	278.1	290.1	290.1
80°	200.7	212.8	227.3	239.4	239.4
82.5°	154.7	164.4	183.8	193.4	193.4
85°	113.6	125.7	145.1	154.7	152.3
87.5°	82.2	94.3	111.2	118.5	116.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)