

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: PORTFOLIO

Report Number: P246966

Luminaire Tested: **LD8B80D010 ER8B80850 8LBMOLI**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P246966  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-81)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B80D010 ER8B80850 8LBM0LI  
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 5000 CCT WITH SPECULAR CLEAR TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8713.0 lumens  
Efficiency: N/A  
Efficacy: 117.1 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.75  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

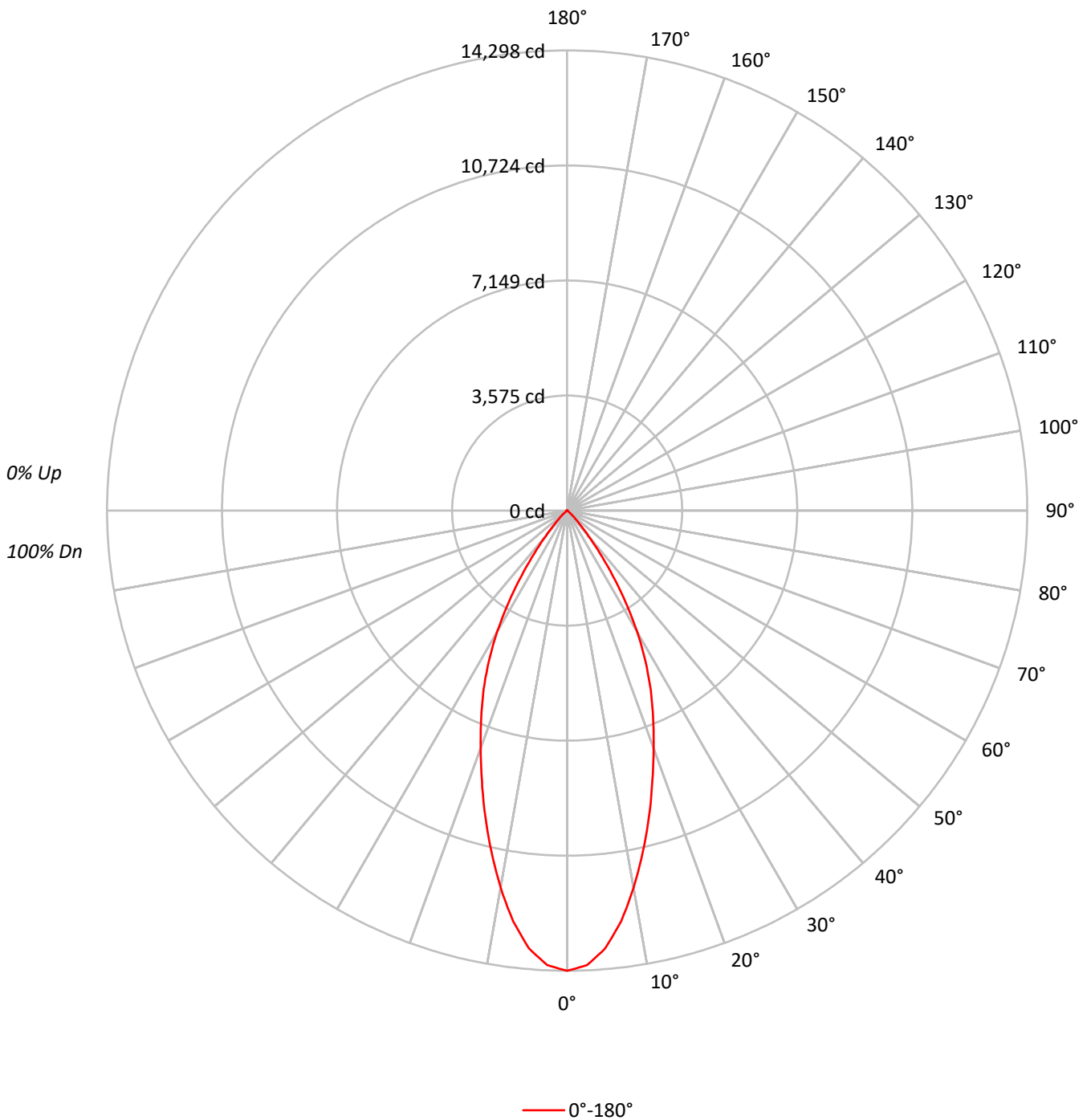
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### 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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94		96	94	92		94	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81		87	83	80		85	82	79	78
5	94	87	81	77	93	86	81	77	84	79	76		82	78	75		81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71		78	74	71		77	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67		74	70	67		73	69	67	65
8	82	73	68	64	81	73	67	64	72	67	63		71	66	63		70	66	63	62
9	79	70	64	60	78	69	64	60	68	63	60		67	63	60		67	63	60	58
10	75	66	61	57	74	66	61	57	65	60	57		64	60	57		64	60	57	55

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	440907
5°	422524
10°	372572
15°	313986
20°	257804
25°	208952
30°	154690
35°	93113
40°	41466
45°	16122
50°	5781
55°	1688
60°	1184
65°	890
70°	90
75°	488
80°	0
85°	1451



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1246.2	14.3
10°-20°	2731.8	31.4
20°-30°	2786.0	32.0
30°-40°	1560.3	17.9
40°-50°	332.7	3.8
50°-60°	41.2	0.5
60°-70°	10.8	0.1
70°-80°	2.5	0.0
80°-90°	1.4	0.0
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°	6764.0	77.6
0°-40°	8324.4	95.5
0°-60°	8698.3	99.8
0°-90°	8713.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8713.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14298	
5°	13650	###
15°	9835	2732
25°	6141	2786
35°	2474	1560
45°	370	333
55°	31	41
65°	12	11
75°	4	3
85°	4	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	14298.3
2.5°	14137.3
5°	13650.0
7.5°	12866.1
10°	11898.7
12.5°	10860.5
15°	9835.4
17.5°	8804.3
20°	7856.2
22.5°	6973.9
25°	6141.3
27.5°	5267.2
30°	4344.4
32.5°	3380.1
35°	2473.5
37.5°	1657.1
40°	1030.1
42.5°	615.9
45°	369.7
47.5°	205.6
50°	120.5
52.5°	63.8
55°	31.4
57.5°	22.3
60°	19.2
62.5°	9.1
65°	12.2
67.5°	12.2
70°	1.0
72.5°	3.0
75°	4.1
77.5°	2.0
80°	0.0
82.5°	1.0
85°	4.1
87.5°	0.0
90°	0.0

(END OF REPORT)