

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: P247730

Luminaire Tested: **LD8B80D010 ER8B80840 8LBS0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247730  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-88)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B80D010 ER8B80840 8LBS0MW  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 4000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9204.0 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.24  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

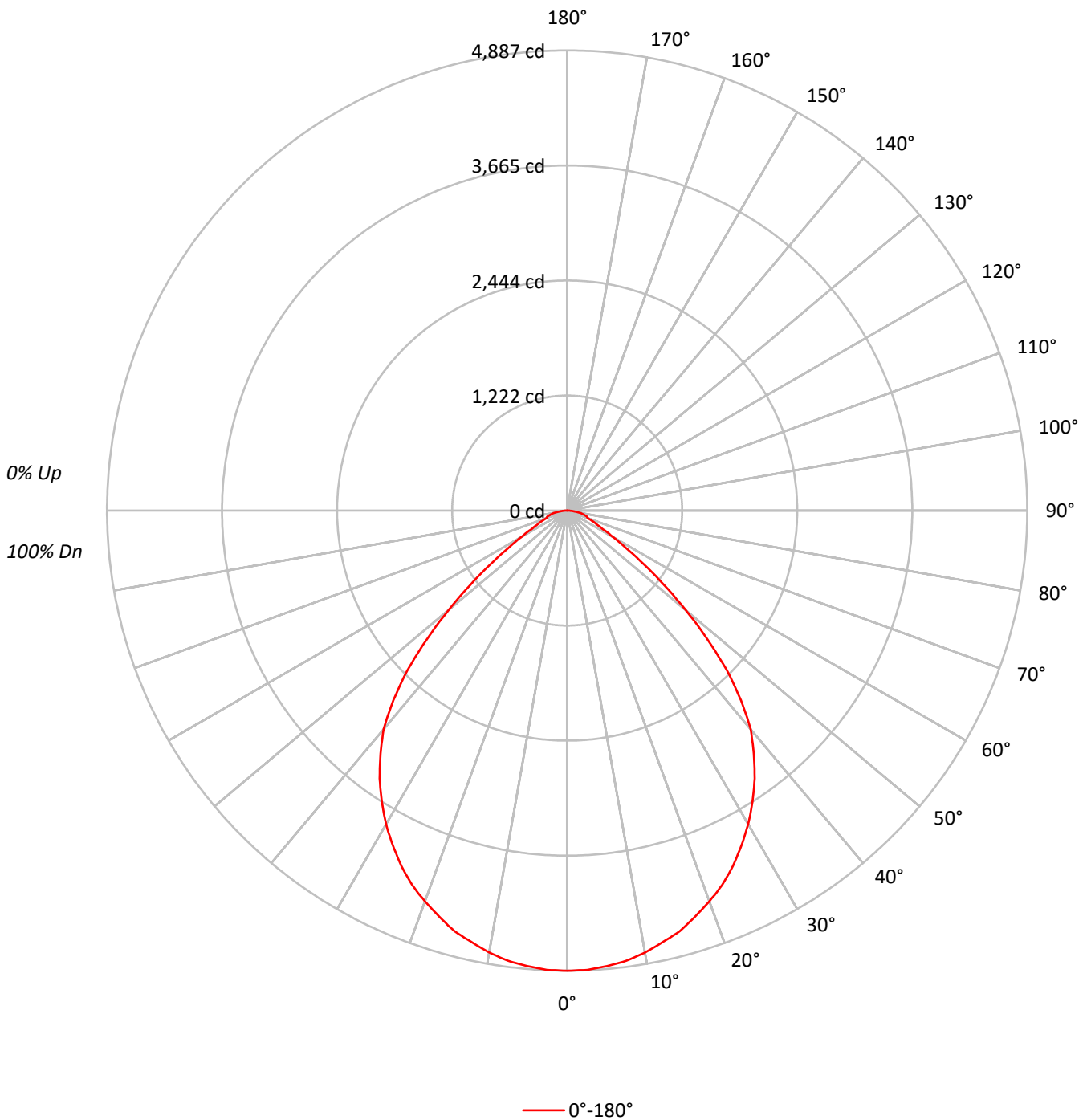
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	57	55
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37
10	60	47	40	36	58	47	40	35	46	40	35	45	39	35	44	39	35	33

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

	0°
0°	150709
5°	150332
10°	149208
15°	147655
20°	144932
25°	141717
30°	136958
35°	130735
40°	122082
45°	104575
50°	78632
55°	53299
60°	34679
65°	25443
70°	20782
75°	23554
80°	24701
85°	20025



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	460.9	5.0
10°-20°	1301.1	14.1
20°-30°	1914.2	20.8
30°-40°	2162.1	23.5
40°-50°	1820.8	19.8
50°-60°	918.6	10.0
60°-70°	359.9	3.9
70°-80°	203.2	2.2
80°-90°	63.2	0.7
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°	3676.1	39.9
0°-40°	5838.2	63.4
0°-60°	8577.7	93.2
0°-90°	9204.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9204.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4887	
5°	4857	461
15°	4625	1301
25°	4165	1914
35°	3473	2162
45°	2398	1821
55°	991	919
65°	349	360
75°	198	203
85°	57	63
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4887.4
2.5°	4882.5
5°	4856.6
7.5°	4822.9
10°	4765.2
12.5°	4693.7
15°	4625.2
17.5°	4520.9
20°	4416.6
22.5°	4303.3
25°	4165.2
27.5°	4009.3
30°	3846.4
32.5°	3663.6
35°	3472.9
37.5°	3254.3
40°	3032.8
42.5°	2730.8
45°	2398.0
47.5°	2016.6
50°	1639.1
52.5°	1298.3
55°	991.4
57.5°	747.0
60°	562.3
62.5°	429.1
65°	348.7
67.5°	284.1
70°	230.5
72.5°	222.5
75°	197.7
77.5°	164.9
80°	139.1
82.5°	88.4
85°	56.6
87.5°	17.9
90°	0.0

(END OF REPORT)