

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: P247754

Luminaire Tested: **LD8B80D010 ER8B80950 8LBS0MW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P247754  
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 ER8B80950 8LBS0MW  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
90 CRI 5000 CCT WITH MATTE WHITE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8544.0 lumens  
Efficiency: N/A  
Efficacy: 114.8 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

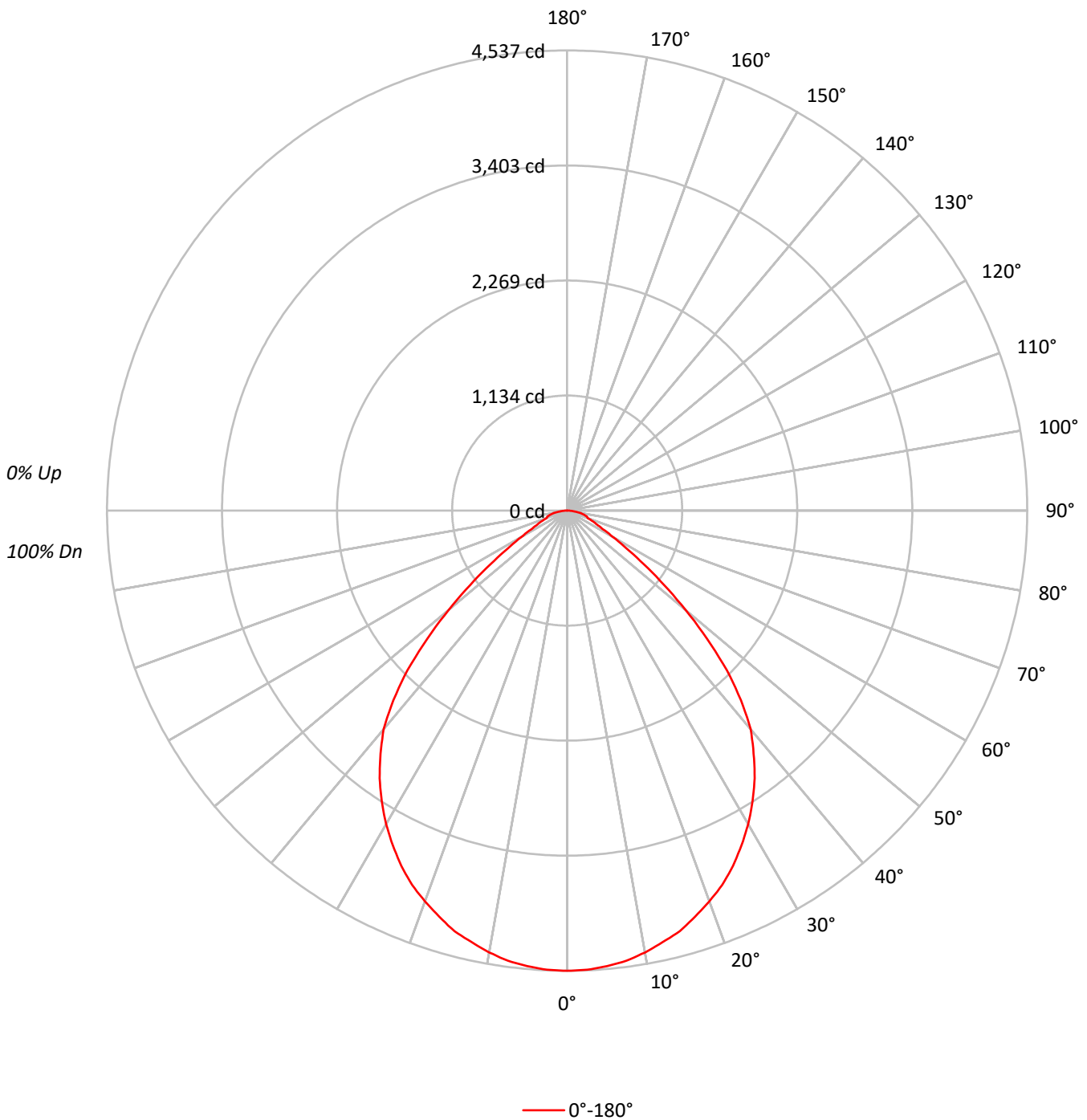
Input Watts (W): 74.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	139904
5°	139553
10°	138509
15°	137066
20°	134540
25°	131558
30°	127134
35°	121357
40°	113327
45°	97078
50°	72991
55°	49477
60°	32187
65°	23619
70°	19285
75°	21863
80°	22925
85°	18610



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	427.8	5.0
10°-20°	1207.8	14.1
20°-30°	1776.9	20.8
30°-40°	2007.0	23.5
40°-50°	1690.3	19.8
50°-60°	852.8	10.0
60°-70°	334.1	3.9
70°-80°	188.7	2.2
80°-90°	58.7	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°	3412.5	39.9
0°-40°	5419.5	63.4
0°-60°	7962.6	93.2
0°-90°	8544.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8544.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4537	
5°	4508	428
15°	4294	1208
25°	3867	1777
35°	3224	2007
45°	2226	1690
55°	920	853
65°	324	334
75°	184	189
85°	53	59
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4537.0
2.5°	4532.3
5°	4508.4
7.5°	4477.0
10°	4423.5
12.5°	4357.1
15°	4293.5
17.5°	4196.7
20°	4099.9
22.5°	3994.7
25°	3866.6
27.5°	3721.8
30°	3570.5
32.5°	3400.9
35°	3223.8
37.5°	3020.9
40°	2815.3
42.5°	2535.0
45°	2226.1
47.5°	1872.0
50°	1521.5
52.5°	1205.2
55°	920.3
57.5°	693.5
60°	521.9
62.5°	398.4
65°	323.7
67.5°	263.7
70°	213.9
72.5°	206.6
75°	183.5
77.5°	153.1
80°	129.1
82.5°	82.1
85°	52.6
87.5°	16.6
90°	0.0

(END OF REPORT)