

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: P244900

Luminaire Tested: **LD8B40D010 ER8B40840 8LBS0WMH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P244900  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD8B40D010 ER8B40840 8LBS0WMH  
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED  
DOWNLIGHT  
80 CRI 4000 CCT WITH WARM HAZE TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4699.0 lumens  
Efficiency: N/A  
Efficacy: 114.9 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

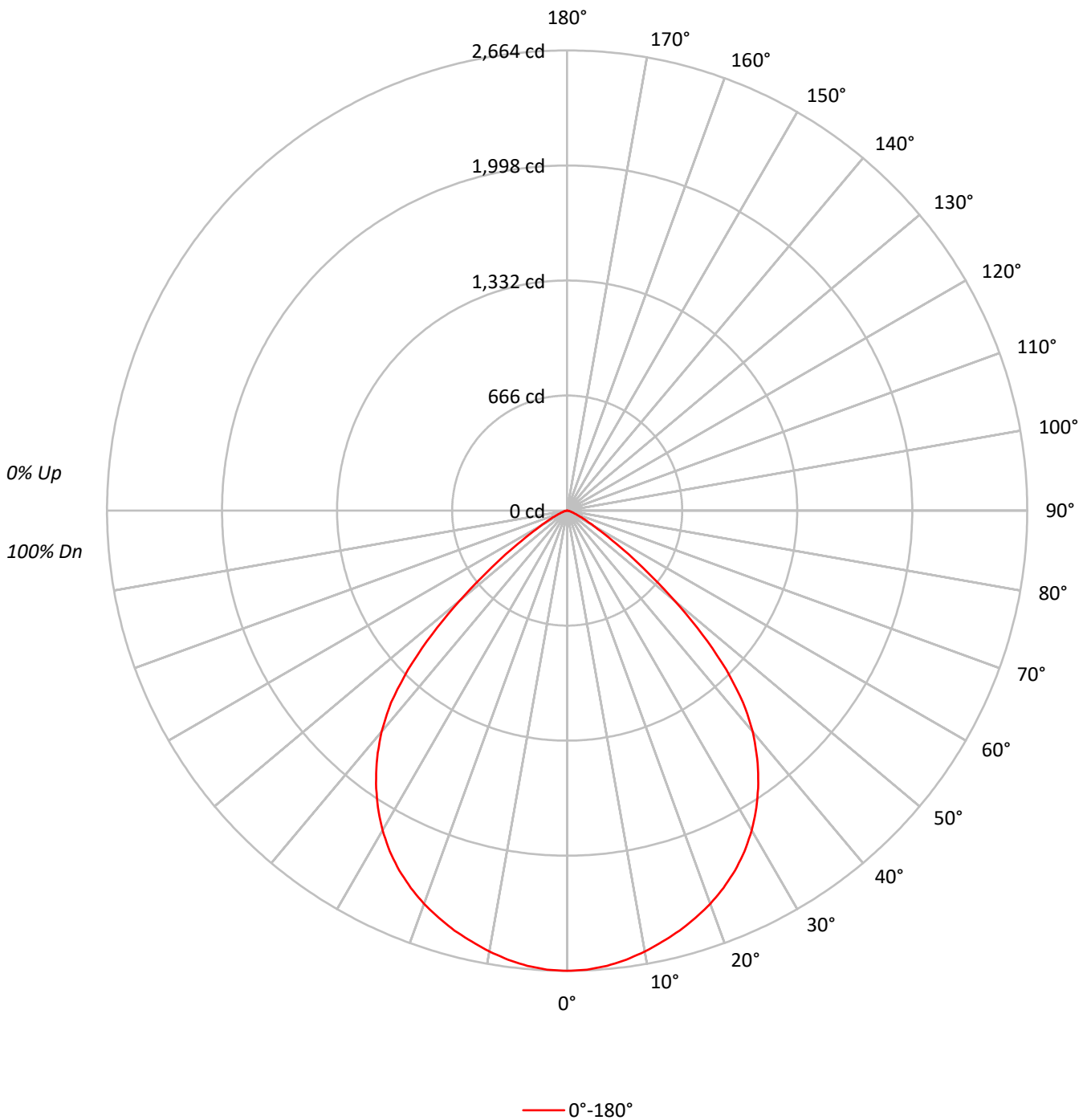
Input Watts (W): 40.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	101	102	100	98		99	97	95		95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86		90	87	85		88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61		70	64	60		68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55		64	58	54		63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49		59	53	49		58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45		55	49	45		54	48	45	43
9	65	53	46	41	64	53	46	41	52	45	41		51	45	41		50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46	41	37	36

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

	0°
0°	82157
5°	81901
10°	81167
15°	80363
20°	79498
25°	78242
30°	76095
35°	72627
40°	67309
45°	56831
50°	38987
55°	21505
60°	10811
65°	6085
70°	3309
75°	2359
80°	1509
85°	991



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	250.8	5.3
10°-20°	709.9	15.1
20°-30°	1057.0	22.5
30°-40°	1200.6	25.6
40°-50°	981.4	20.9
50°-60°	384.6	8.2
60°-70°	89.6	1.9
70°-80°	21.6	0.5
80°-90°	3.4	0.1
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°	2017.7	42.9
0°-40°	3218.3	68.5
0°-60°	4584.3	97.6
0°-90°	4699.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4699.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2664	
5°	2646	251
15°	2517	710
25°	2300	1057
35°	1929	1201
45°	1303	981
55°	400	385
65°	83	90
75°	20	22
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2664.3
2.5°	2660.0
5°	2645.9
7.5°	2621.9
10°	2592.2
12.5°	2555.4
15°	2517.3
17.5°	2472.0
20°	2422.6
22.5°	2364.6
25°	2299.6
27.5°	2223.3
30°	2137.1
32.5°	2039.5
35°	1929.3
37.5°	1807.7
40°	1672.1
42.5°	1508.1
45°	1303.2
47.5°	1062.9
50°	812.7
52.5°	583.7
55°	400.0
57.5°	261.5
60°	175.3
62.5°	120.1
65°	83.4
67.5°	55.1
70°	36.7
72.5°	25.4
75°	19.8
77.5°	14.1
80°	8.5
82.5°	4.2
85°	2.8
87.5°	1.4
90°	0.0

(END OF REPORT)