

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: P250008

Luminaire Tested: **LSR8B80D010 EC8B80940 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250008
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13951)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B80D010 EC8B80940 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6568.0 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

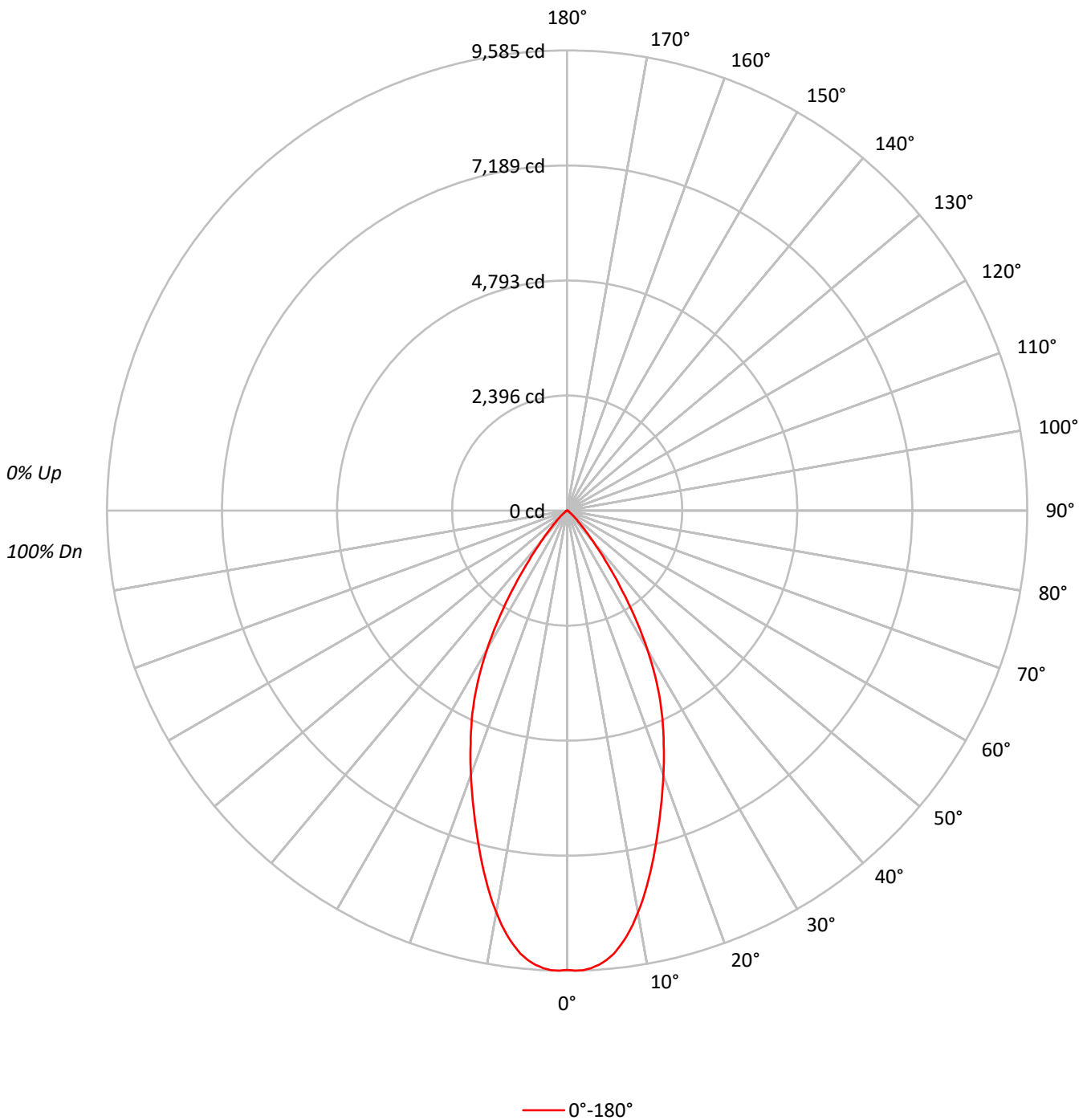
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	89	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62	70	65	62	69	65	62	60
9	78	68	63	59	77	68	63	59	67	62	59	66	62	58	65	61	58	57
10	74	65	59	56	73	65	59	56	64	59	56	63	59	55	62	58	55	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	294993
5°	290885
10°	266118
15°	228484
20°	192406
25°	158971
30°	119243
35°	71076
40°	33866
45°	14753
50°	6687
55°	2946
60°	1690
65°	1007
70°	1037
75°	0
80°	408
85°	1628



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	868.3	13.2
10°-20°	1992.1	30.3
20°-30°	2116.4	32.2
30°-40°	1207.5	18.4
40°-50°	299.4	4.6
50°-60°	58.9	0.9
60°-70°	17.8	0.3
70°-80°	4.2	0.1
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°	4976.8	75.8
0°-40°	6184.3	94.2
0°-60°	6542.6	99.6
0°-90°	6568.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6568.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9566	
5°	9397	868
15°	7157	1992
25°	4672	2116
35°	1888	1208
45°	338	299
55°	55	59
65°	14	18
75°	0	4
85°	5	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9566.4
1°	9584.8
2°	9577.9
3°	9543.6
4°	9484.2
5°	9397.3
6°	9283.1
7°	9125.3
8°	8944.7
9°	8732.2
10°	8498.9
11°	8252.1
12°	7986.9
13°	7717.2
14°	7440.6
15°	7157.1
16°	6889.7
17°	6620.0
18°	6366.2
19°	6107.9
20°	5863.3
22.5°	5257.5
25°	4672.3
27.5°	4043.8
30°	3348.9
32.5°	2603.6
35°	1888.1
37.5°	1300.6
40°	841.3
42.5°	532.7
45°	338.3
47.5°	221.8
50°	139.4
52.5°	84.6
55°	54.8
57.5°	43.5
60°	27.4
62.5°	25.1
65°	13.8
67.5°	13.8
70°	11.5
72.5°	6.9
75°	0.0
77.5°	2.3
80°	2.3



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	4.6
85°	4.6
87.5°	2.3
90°	0.0

(END OF REPORT)